

112TH CONGRESS  
2D SESSION

# S. 2515

To promote the use of clean cookstoves and fuels to save lives, improve livelihoods, empower women, and combat harmful pollution by creating a thriving global market for clean and efficient household cooking solutions.

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IN THE SENATE OF THE UNITED STATES

MAY 7, 2012

Ms. COLLINS (for herself and Mr. DURBIN) introduced the following bill;  
which was read twice and referred to the Committee on Foreign Relations

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## A BILL

To promote the use of clean cookstoves and fuels to save lives, improve livelihoods, empower women, and combat harmful pollution by creating a thriving global market for clean and efficient household cooking solutions.

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 “Clean Cookstoves Sup-  
5 port Act of 2012”.

6 **SEC. 2. FINDINGS.**

7 Congress makes the following findings:

1           (1) Nearly half the world's population cooks  
2 their food over open fires or inefficient, polluting,  
3 and unsafe cookstoves using firewood, dung, or coal.  
4 Smoke from the use of these traditional cookstoves  
5 and open fires is associated with a number of chron-  
6 ic and acute diseases, including respiratory illnesses  
7 such as pneumonia, heart disease, and cancer, with  
8 women and young children affected disproportion-  
9 ately.

10           (2) It is estimated that smoke from cooking  
11 fuels accounts for nearly 2,000,000 deaths annually  
12 in the developing world, which is more than the  
13 deaths from malaria, tuberculosis, or HIV. Millions  
14 more are sickened from the toxic smoke and thou-  
15 sands suffer burns annually from open fires or un-  
16 safe cookstoves.

17           (3) The amount of biomass cooking fuel re-  
18 quired each year can reach up to 2 tons per family.  
19 Where demand for local biomass outstrips the nat-  
20 ural regrowth of resources, local environmental prob-  
21 lems can result.

22           (4) Tremendous amounts of time—a burden  
23 shouldered disproportionately by women and chil-  
24 dren—is spent collecting and managing biomass  
25 cooking fuel resources.

1           (5) As nearby fuel supplies dwindle, women are  
2 forced to go farther to find fuel to cook their fami-  
3 lies' meals. In some regions, women and girls risk  
4 rape and other forms of gender-based violence dur-  
5 ing the up to 20 hours per week they spend away  
6 from their communities gathering firewood.

7           (6) Recent studies show that black carbon cre-  
8 ated from biomass cookstoves significantly contrib-  
9 utes to regional air pollution and climate change.  
10 Black carbon emissions from residential cookstoves  
11 in developing countries account for an estimated 21  
12 percent of total global inventory, and mitigation in  
13 this sector represents a large potential public health  
14 benefit.

15           (7) The Global Alliance for Clean Cookstoves is  
16 an innovative public-private partnership led by the  
17 United Nations Foundation that was created to en-  
18 able the adoption of clean and efficient stoves in  
19 100,000,000 homes by 2020. The Alliance intends to  
20 work with public, private, and non-profit partners to  
21 raise \$250,000,000 towards overcoming market bar-  
22 riers that currently impede the production, deploy-  
23 ment, and use of clean cookstoves in the developing  
24 world.

1           (8) The United States Government has com-  
2           mitted a total of up to \$105,000,000 over the first  
3           five years of the Alliance to help it achieve its goal  
4           of spurring the adoption of clean cookstoves in  
5           100,000,000 households by 2020, as follows:

6                   (A) The Department of State and the  
7                   United States Agency for International Devel-  
8                   opment will commit \$11,570,000 to promote  
9                   the adoption of clean cookstoves, encourage for-  
10                  eign government support, and further economic  
11                  opportunities for women.

12                  (B) The Department of Energy will com-  
13                  mit \$12,500,000 for applied research to ad-  
14                  vance clean cookstove technologies and designs.

15                  (C) The Department of Health and  
16                  Human Services will commit \$24,700,000  
17                  through the National Institutes of Health and  
18                  \$2,180,000 through the Centers for Disease  
19                  Control and Prevention for health research and  
20                  implementation evaluation.

21                  (D) The Environmental Protection Agency  
22                  will commit \$6,000,000 to enhance stove testing  
23                  and evaluation, cookstove design innovation,  
24                  and the assessment of health benefits.

1           (E) The Overseas Private Investment Cor-  
2           poration will commit up to \$50,000,000 for  
3           debt financing or insurance for projects that  
4           provide access to clean, consistent, and afford-  
5           able energy through the promotion of clean  
6           cookstoves.

7 **SEC. 3. ADVANCEMENT OF GLOBAL ALLIANCE FOR CLEAN**  
8 **COOKSTOVES GOALS.**

9           The Secretary of State, in consultation with the Ad-  
10          ministrators of the Environmental Protection Agency, the  
11          Secretary of Energy, the Secretary of Health and Human  
12          Services, the Administrator of the United States Agency  
13          for International Development, and the heads of other rel-  
14          evant Federal agencies, and in coordination with relevant  
15          international nongovernmental organizations and private  
16          and governmental entities, shall work to advance the goals  
17          and work of the Global Alliance for Clean Cookstoves, in-  
18          cluding through—

19               (1) applied research and development to im-  
20               prove design, lower costs, promote technology adop-  
21               tion, conduct health research and evaluation, and de-  
22               velop global industry standards and testing protocols  
23               for cookstoves;

24               (2) diplomatic engagement to encourage a com-  
25               mercial market for clean stoves and fuels, reduce

1 trade barriers, promote consumer awareness, im-  
2 prove access to large-scale carbon financing, and fos-  
3 ter women-owned businesses along the entire busi-  
4 ness chain;

5 (3) international development projects to help  
6 build commercial businesses to manufacture, market,  
7 distribute, sell, and service clean stoves and fuels;

8 (4) development efforts related to refugee  
9 camps, disaster relief, and long-term programs  
10 aimed at assisting women and girls; and

11 (5) financing or insurance to support projects  
12 that provide access to clean, affordable energy and  
13 energy savings through the manufacture, sale, and  
14 purchase of cookstoves.

15 **SEC. 4. AUTHORIZATIONS OF APPROPRIATIONS.**

16 (a) DEPARTMENT OF STATE AND UNITED STATES  
17 AGENCY FOR INTERNATIONAL DEVELOPMENT.—There is  
18 authorized to be appropriated out of funds available to the  
19 Department of State and the United States Agency for  
20 International Development not less than \$11,570,000 for  
21 fiscal years 2013 through 2017 to work with the Global  
22 Alliance for Clean Cookstoves and foreign governments—

23 (1) to address the harmful effects of smoke ex-  
24 posure from traditional cookstoves;

1           (2) to support applied and operational research  
2           into how people use improved stove technology, and  
3           how indoor air quality and sanitation interventions  
4           can improve household environments and promote  
5           economic opportunities for women; and

6           (3) to carry out other activities under this Act.

7           (b) DEPARTMENT OF ENERGY.—There is authorized  
8           to be appropriated to the Secretary of Energy out of avail-  
9           able funds not less than \$12,500,000 for fiscal years 2013  
10          through 2017 to work with the Global Alliance for Clean  
11          Cookstoves to conduct research aimed at addressing the  
12          technical barriers to the development of low-emission,  
13          high-efficiency cookstoves through activities in areas such  
14          as combustion, heat transfer, and materials development,  
15          and to carry out other activities under this Act.

16          (c) NATIONAL INSTITUTES OF HEALTH.—There is  
17          authorized to be appropriated to the Secretary of Health  
18          and Human Services out of available funds not less than  
19          \$24,700,000 for fiscal years 2013 through 2017 for the  
20          National Institutes of Health to work with the Global Alli-  
21          ance for Clean Cookstoves—

22                 (1) to support ongoing research and research  
23                 training projects, including—

1 (A) studies on the cookstove-related effects  
2 of cookstoves smoke on pulmonary, cancer, and  
3 cardiac diseases;

4 (B) studies on the relationship between in-  
5 door air pollution and low-birth weight; and

6 (C) studies on the most effective ways to  
7 introduce and educate users on safety and the  
8 proper use of cookstoves;

9 (2) to support efforts to develop improved  
10 measuring devices, expand epidemiologic studies,  
11 and conduct clinical trials;

12 (3) to support training programs designed to  
13 help prepare scientists in low- and middle-income  
14 countries to engage in related research and evalua-  
15 tion activities; and

16 (4) to carry out other activities under this Act.

17 (d) CENTERS FOR DISEASE CONTROL AND PREVEN-  
18 TION.—There is authorized to be appropriated to the Sec-  
19 retary of Health and Human Services out of available  
20 funds not less than \$2,180,000 for fiscal years 2013  
21 through 2017 for the Centers for Disease Control and  
22 Prevention to work with the Global Alliance for Clean  
23 Cookstoves—

24 (1) to demonstrate the health benefits of imple-  
25 menting clean cookstove programs;



1           (2) to promote a better understanding of the re-  
2           lationship between human exposures and health out-  
3           comes;

4           (3) to integrate clean cookstoves and fuels im-  
5           plementation with other public health programs;

6           (4) to evaluate cookstove program implementa-  
7           tion; and

8           (5) to carry out other activities under this Act.

9           (e) ENVIRONMENTAL PROTECTION AGENCY.—There  
10          is authorized to be appropriated to the Administrator of  
11          the Environmental Protection Agency out of available  
12          funds not less than \$6,000,000 for fiscal years 2013  
13          through 2017 to work with the Global Alliance for Clean  
14          Cookstoves—

15               (1) to conduct stove testing and evaluation in  
16               both the lab and the field;

17               (2) to promote cookstove design innovations,  
18               possibly including a design competition and prize;

19               (3) to perform assessments focused on health  
20               and exposure benefits of clean cookstoves and fuels;

21               (4) to use the expertise, lessons learned, and  
22               network developed in launching and leading the  
23               Partnership for Clean Indoor Air to help the Alli-  
24               ance meet its 2020 goal; and

1 (5) to carry out other activities under this Act.

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