

AMENDMENT TO H.R. 3607
OFFERED BY MR. LIPINSKI OF ILLINOIS

Page 40, after line 2, insert the following:

1 **SEC. 14. CLIMATE SOLUTIONS CHALLENGES.**

2 (a) AUTHORITY.—Not later than 180 days after the
3 date of enactment of this Act, the Secretary of Energy
4 shall establish a program to be known as “Fossil Energy
5 Climate Solutions Challenges” for carrying out prize com-
6 petitions described under subsection (d) pursuant to sec-
7 tion 24 of the Stevenson-Wydler Technology Innovation
8 Act of 1980 (15 U.S.C. 3719) relating to the climate and
9 energy.

10 (b) PRIZE COMMITTEES.—

11 (1) IN GENERAL.—The Secretary shall assem-
12 ble a prize committee that shall define the scope and
13 detail of, and provide the requirements for, the prize
14 competitions under this section. Such committee
15 may be composed of—

16 (A) members from the Office of Fossil En-
17 ergy, Advanced Research Projects Energy, Of-
18 fice of Technology Transitions, or other offices
19 that most appropriately corresponds with the
20 topic of the prize competition; and

1 (B) representatives of any other entities,
2 as determined appropriate by the Secretary, in-
3 cluding other Federal agencies, State and local
4 governments, and the private sector.

5 (2) DEFINING TOPIC AREAS.—The prize com-
6 mittee may modify and define the scope of the prize
7 areas described under subsection (c), so long as such
8 modification is in accordance with descriptions in
9 such subsection.

10 (3) INCENTIVE FOR PRIZE COMPETITION.—The
11 prize committee for each prize competition shall de-
12 termine the incentive for the prize competition. In
13 determining the incentive, the committee shall con-
14 sider—

15 (A) a cash prize;

16 (B) access to Government facilities, such
17 as through a lab-embedded entrepreneurship
18 program of the Department of Energy, a coop-
19 erative research and development agreement, or
20 other method;

21 (C) advance market commitments for tech-
22 nologies of use or promise to the Federal Gov-
23 ernment; and

24 (D) any other incentive provided for by
25 law.

1 (4) JUDGING CRITERIA.—The prize committee
2 for each prize competition shall establish judging cri-
3 teria for the competition that shall include, at a min-
4 imum—

5 (A) potential for the solution to become a
6 commercial product or service or advance
7 knowledge to further the public good;

8 (B) consideration of how likely the solution
9 is to lead to subsequent research, development,
10 deployment, or manufacturing in the United
11 States;

12 (C) the degree to which the solution will
13 lower the climate footprint of the United States;
14 and

15 (D) the degree to which the solution will
16 lower the global climate footprint.

17 (5) CONSIDERATION.—In carrying out this sec-
18 tion, the committee shall take into consideration the
19 best practices provided for in the challenges and
20 prizes toolkit made publicly available on December
21 15, 2016, by the General Services Administration.

22 (c) PRIZE COMPETITIONS.—In carrying out the pro-
23 gram, the Secretary shall offer prize awards for any of
24 the following:

1 (1) Solutions to capture carbon emissions from
2 sources that would otherwise be emitted to the at-
3 mosphere.

4 (2) Solutions to convert carbon emissions to a
5 beneficial use that does not result in near-term re-
6 release into the atmosphere, unless such re-release
7 offsets the emission of additional carbon into the at-
8 mosphere, such that the net effect of the solution is
9 to reduce the overall amount of carbon being emitted
10 to the atmosphere.

11 (3) Other solutions that have potential to
12 achieve reduction in greenhouse gas emissions asso-
13 ciated with fossil-based energy production.

14 (d) ACCEPTANCE OF FUNDS.—In addition to such
15 sums as may be appropriated or otherwise made available
16 to the Secretary to award prizes under this section, the
17 Secretary may accept funds from other Federal agencies,
18 private sector entities, and State and local governments
19 to award prizes under this section. The Secretary may not
20 give any special consideration relating to the selection of
21 awards under the prize competition to any private sector
22 entity or individual in return for a donation to the Sec-
23 retary or prize committee.

24 (e) ELIGIBILITY.—Notwithstanding section 24(g)(3)
25 of the Stevenson-Wydler Technology Innovation Act of

1 1980 (15 U.S.C. 3719(g)(3)), a group may be eligible for
2 an award under this section if one or more members of
3 such group is a citizen or permanent resident of the
4 United States.

5 (f) COMPLETION OF PRIZE COMPETITIONS.—The
6 prize competitions carried out under this section shall be
7 completed not later than the date that is 5 years after
8 the program is established under subsection (a).

~~9 (g) GAO REPORT. Not later than the date of com-
10 pletion under subsection (f), the Comptroller General of
11 the United States shall submit to Congress a report on
12 the impact and the effectiveness of the program carried
13 out under this section.~~

14 (h) AUTHORIZATION OF APPROPRIATIONS.—There is
15 authorized to be appropriated \$15,000,000 to carry out
16 this section, to remain available until expended.

