

113TH CONGRESS  
2D SESSION

# S. 2273

To improve energy savings by the Department of Defense, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

APRIL 30, 2014

Mr. UDALL of Colorado introduced the following bill; which was read twice and referred to the Committee on Armed Services

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## A BILL

To improve energy savings by the Department of Defense, 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 “Department of Defense  
5 Energy Security Act of 2014”.

6 **SEC. 2. ENERGY SAVINGS PERFORMANCE CONTRACTS.**

7 (a) AGENCY PAYMENTS.—Section 801(a)(2)(B) of  
8 the National Energy Conservation Policy Act (42 U.S.C.  
9 8287(a)(2)(B)) is amended in the first sentence—

1           (1) by striking “both utilities” and inserting  
2           “utilities, entities that supply, deliver, and transport  
3           fuel,”; and

4           (2) by inserting “or fuel supply, delivery, or  
5           transport” after “for utilities”.

6           (b)       NONBUILDING       APPLICATIONS.—Section  
7           801(a)(2) of the National Energy Conservation Policy Act  
8           (42 U.S.C. 8287(a)(2)) is amended by adding at the end  
9           the following:

10                   “(H)   NONBUILDING   APPLICATIONS.—A  
11                   Federal agency may enter into an energy sav-  
12                   ings performance contract under this title for  
13                   the purpose of reducing the costs of fuel supply,  
14                   delivery, or transport for nonbuilding applica-  
15                   tions, including secondary savings.”.

16           (c)   DEFINITIONS.—Section 804 of the National En-  
17           ergy Conservation Policy Act (42 U.S.C. 8287c) is amend-  
18           ed—

19                   (1) in paragraph (2)(A)—

20                           (A) in the matter preceding clause (i)—

21                                   (i) by striking “or wastewater treat-  
22                                   ment” and inserting “wastewater treat-  
23                                   ment, or fuel supply, delivery, or trans-  
24                                   port”; and

1 (ii) by inserting “or nonbuilding appli-  
2 cations” after “federally owned facilities”;

3 (B) in clause (ii), by striking “or” after  
4 the semicolon at the end;

5 (C) in clause (iii), by inserting “or” after  
6 the semicolon at the end; and

7 (D) by adding at the end the following:

8 “(iv) the improved efficiency of fuel  
9 use in nonbuilding applications.”;

10 (2) in the first sentence of paragraph (3), by  
11 inserting “or for the purpose of reducing the cost of  
12 fuel supply, delivery, or transport for nonbuilding  
13 applications” before the period at the end; and

14 (3) by adding at the end the following:

15 “(5) NONBUILDING APPLICATION.—The term  
16 ‘nonbuilding application’ means—

17 “(A) any class of vehicles, devices, or  
18 equipment that—

19 “(i) is transportable under the power  
20 of the applicable vehicle, device, or equip-  
21 ment by land, sea, or air; and

22 “(ii) consumes energy from any fuel  
23 source for the purpose of—

24 “(I) that transportation; or

1                   “(II) maintaining a controlled en-  
2                   vironment within the vehicle, device,  
3                   or equipment; and

4                   “(B) any federally owned equipment used  
5                   to generate electricity or transport water.

6                   “(6) SECONDARY SAVINGS.—

7                   “(A) IN GENERAL.—The term ‘secondary  
8                   savings’ means additional energy or cost sav-  
9                   ings that are a direct consequence of the energy  
10                  savings that result from the energy efficiency  
11                  improvements that were financed and imple-  
12                  mented pursuant to an energy savings perform-  
13                  ance contract.

14                  “(B) INCLUSIONS.—The term ‘secondary  
15                  savings’ includes—

16                   “(i) energy and cost savings that re-  
17                   sult from a reduction in the need for fuel  
18                   delivery and logistical support;

19                   “(ii) personnel cost savings and envi-  
20                   ronmental benefits; and

21                   “(iii) in the case of electric generation  
22                   equipment, the benefits of increased effi-  
23                   ciency in the production of electricity, in-  
24                   cluding revenues received by the Federal

1 Government from the sale of electricity  
2 from the production.”.

3 **SEC. 3. AUTHORIZATION FOR RESEARCH TO IMPROVE MILI-**  
4 **TARY VEHICLE TECHNOLOGY TO INCREASE**  
5 **FUEL ECONOMY OR REDUCE FUEL CONSUMP-**  
6 **TION OF MILITARY VEHICLES USED IN COM-**  
7 **BAT.**

8 (a) RESEARCH AUTHORIZED.—The Secretary of De-  
9 fense, acting through the Assistant Secretary of Defense  
10 for Research and Engineering and in collaboration with  
11 the Secretary of the Army and the Secretary of the Navy,  
12 may carry out research to improve military vehicle tech-  
13 nology to increase fuel economy or reduce fuel consump-  
14 tion of military vehicles used in combat.

15 (b) PREVIOUS SUCCESSES.—The Secretary of De-  
16 fense shall ensure that research carried out under sub-  
17 section (a) takes into account the successes of, and lessons  
18 learned during, the development of the Fuel Efficient  
19 Ground Vehicle Alpha and Bravo programs to identify, as-  
20 sess, develop, demonstrate, and prototype technologies  
21 that support increasing fuel economy and decreasing fuel  
22 consumption of light tactical vehicles, while balancing sur-  
23 vivability.

1 **SEC. 4. REQUIREMENT TO ESTABLISH REPOSITORY FOR**  
2 **OPERATIONAL ENERGY-RELATED RESEARCH**  
3 **AND DEVELOPMENT EFFORTS OF DEPART-**  
4 **MENT OF DEFENSE.**

5 (a) REPOSITORY REQUIRED.—Not later than Decem-  
6 ber 31, 2015, the Secretary of Defense, acting through  
7 the Assistant Secretary of Defense for Research and Engi-  
8 neering and in collaboration with the Assistant Secretary  
9 of Defense for Operational Energy Plans and Programs  
10 and the Secretaries of the military departments, shall es-  
11 tablish a centralized repository for all operational energy-  
12 related research and development efforts of the Depart-  
13 ment of Defense, including with respect to the inception,  
14 operational, and complete phases of such efforts.

15 (b) INTERNET ACCESS.—The Secretary of Defense  
16 shall ensure that the repository required by subsection (a)  
17 is accessible through an Internet website of the Depart-  
18 ment of Defense and by all employees of the Department  
19 and members of the Armed Forces whom the Secretary  
20 determines appropriate, including all program managers  
21 involved in such research and development efforts, to en-  
22 able improved collaboration between military departments  
23 on research and development efforts described in sub-  
24 section (a), sharing of best practices and lessons learned  
25 relating to such efforts, and reduce redundancy in such  
26 efforts.

1 **SEC. 5. EXECUTIVE AGENT FOR WARRIOR POWER.**

2 Not later than September 31, 2014, the Secretary of  
3 Defense shall establish a Department of Defense executive  
4 agent for warrior power to align and advance efforts  
5 across the military services to measure and manage the  
6 research, development, testing, evaluation, procurement,  
7 and fielding of man-portable tactical power generation sys-  
8 tems to power tactical communications equipment, weap-  
9 ons systems, and other troop equipment.

10 **SEC. 6. SECURE ENERGY INNOVATION PROGRAM.**

11 (a) ESTABLISHMENT.—The Secretary of Defense  
12 shall establish a program to develop and support projects  
13 designed to foster secure and reliable sources of energy  
14 for military installations, including incorporation of ad-  
15 vanced energy metering, renewable energy, energy storage,  
16 and redundant power systems.

17 (b) METRICS.—The Secretary of Defense shall de-  
18 velop metrics for assessing the costs and benefits associ-  
19 ated with secure energy projects proposed or implemented  
20 as part of the program established under subsection (a).  
21 The metrics shall take into account financial and oper-  
22 ational costs associated with sustained losses of power re-  
23 sulting from natural disasters or attacks that damage elec-  
24 trical grids serving military installations.

1 **SEC. 7. AUTHORITY TO USE ENERGY SAVINGS INVESTMENT**  
2 **FUND FOR ENERGY MANAGEMENT INITIA-**  
3 **TIVES.**

4 Section 2919(b)(2) of title 10, United States Code,  
5 is amended by striking “, to the extent provided for in  
6 an appropriations Act,”.

7 **SEC. 8. ESTABLISHMENT OF DEPARTMENT OF DEFENSE AL-**  
8 **TERNATIVE FUELED VEHICLE INFRASTRUC-**  
9 **TURE FUND.**

10 (a) **ESTABLISHMENT OF FUND.**—There is estab-  
11 lished in the Treasury a fund to be known as the “Depart-  
12 ment of Defense Alternative Fuel Vehicle Infrastructure  
13 Fund” (in this section referred to as the “Fund”).

14 (b) **DEPOSITS.**—The Fund shall consist of the fol-  
15 lowing:

16 (1) Amounts appropriated to the Fund.

17 (2) Amounts earned through investment under  
18 subsection (c).

19 (3) Any other amounts made available to the  
20 Fund by law.

21 (c) **INVESTMENTS.**—The Secretary shall invest any  
22 part of the Fund that the Secretary decides is not required  
23 to meet current expenses. Each investment shall be made  
24 in an interest-bearing obligation of the United States Gov-  
25 ernment, or an obligation that has its principal and inter-



1 est guaranteed by the Government, that the Secretary de-  
2 cides has a maturity suitable for the Fund.

3 (d) USE OF FUNDS.—Amounts in the Fund shall be  
4 available to the Secretary, acting through the Under Sec-  
5 retary of Defense for Acquisition, Training, and Logistics,  
6 to install, operate, and maintain alternative fuel dis-  
7 pensing stations for use by alternative fueled vehicles of  
8 the Department of Defense and other infrastructure nec-  
9 essary to fuel alternative fueled vehicles of the Depart-  
10 ment.

11 (e) PRIVATE USE.—The Secretary may make alter-  
12 native fuel dispensed through alternative fuel dispensing  
13 stations of the Department available to employees of the  
14 Department and members of the Armed Forces for private  
15 use.

16 (f) DEFINITIONS.—In this section:

17 (1) ALTERNATIVE FUEL.—The term “alter-  
18 native fuel” has the meaning given such term in sec-  
19 tion 32901 of title 49, United States Code.

20 (2) ALTERNATIVE FUELED VEHICLE.—The  
21 term “alternative fueled vehicle” means a vehicle  
22 that operates on alternative fuel.

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