

114TH CONGRESS
1ST SESSION

S. 1055

To require the Administrator of General Services and the Secretary of Energy to set goals for deep energy retrofits in Federal buildings.

IN THE SENATE OF THE UNITED STATES

APRIL 22, 2015

Mr. FRANKEN introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

A BILL

To require the Administrator of General Services and the Secretary of Energy to set goals for deep energy retrofits in Federal buildings.

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. DEFINITIONS.**

4 In this Act:

5 (1) ADMINISTRATOR.—The term “Adminis-
6 trator” means the Administrator of General Serv-
7 ices.

8 (2) BASELINE.—The term “baseline” means
9 the highest annual rate of energy use for a building
10 during the period beginning on January 1, 2012,

1 and ending on December 31 of the calendar year
2 preceding the calendar year during which the deep
3 energy retrofit of the building commenced.

4 (3) DEEP ENERGY RETROFIT.—The term “deep
5 energy retrofit” means a project carried out in a
6 Federal building that results in energy savings in
7 that building of at least 35 percent, and preferably
8 at least 50 percent, relative to the baseline.

9 (4) ENERGY SAVINGS.—

10 (A) IN GENERAL.—The term “energy sav-
11 ings” means the quantity of energy calculated
12 on an annual basis and equal to the difference
13 between—

14 (i) the quantity of energy used in a
15 Federal building after a deep energy ret-
16 rofit; and

17 (ii) the baseline for the building.

18 (B) CALCULATION.—For purposes of cal-
19 culating energy savings under subparagraph
20 (A)—

21 (i) calculations shall be made for elec-
22 tricity separately than other fuels;

23 (ii) conversions from electricity to
24 British thermal units may be permitted;
25 and

1 (iii) the baseline and deep retrofit
 2 building consumption data shall be ad-
 3 justed for any differences in weather, occu-
 4 pancy, and other important usage indica-
 5 tors.

6 (5) FEDERAL BUILDING.—The term “Federal
 7 building” means a building owned by a Federal
 8 agency.

9 (6) SECRETARY.—The term “Secretary” means
 10 the Secretary of Energy.

11 **SEC. 2. DEEP ENERGY RETROFIT PROGRAM.**

12 (a) PLANNING.—

13 (1) DEVELOPMENT.—Not later than 1 year
 14 after the date of enactment of this Act, the Adminis-
 15 trator and the Secretary shall develop a plan for
 16 meeting the 2020 goals described in subsection (b).

17 (2) AGENCY PLANS.—

18 (A) IN GENERAL.—Not later than July 1,
 19 2018, the head of each Federal agency that
 20 owns a Federal building shall submit to the
 21 Secretary and the Administrator a plan for
 22 deep energy retrofits of at least 50 percent of
 23 the Federal buildings of the agency.

24 (B) TECHNICAL ASSISTANCE.—The Sec-
 25 retary, acting through the Federal Energy

1 Management Program and in cooperation with
2 the Administrator, shall provide technical as-
3 sistance to each Federal agency to carry out
4 subparagraph (A).

5 (b) 2020 GOAL.—

6 (1) IN GENERAL.—Subject to paragraphs (2)
7 and (3), not later than January 1, 2020, and after
8 consideration of the plans submitted under sub-
9 section (a)(1)—

10 (A) the Administrator shall carry out not
11 fewer than 100 deep energy retrofits; and

12 (B) the Secretary, acting through the Fed-
13 eral Energy Management Program, shall work
14 with Federal agencies (other than the General
15 Services Administration) to carry out not fewer
16 than 50 deep energy retrofits.

17 (2) MINIMUM ENERGY SAVINGS.—In carrying
18 out paragraph (1), the Administrator and the Sec-
19 retary shall ensure that at least $\frac{1}{3}$ of the total num-
20 ber of energy retrofits achieve energy savings of at
21 least 50 percent.

22 (3) COST CONTROL.—The Secretary and the
23 Administrator may select for deep energy retrofit
24 Federal buildings that—

25 (A) are scheduled for renovation; or

1 (B) require replacement of major systems.

2 (c) 2030 GOAL.—

3 (1) IN GENERAL.—Subject to paragraphs (2)
4 and (3), during the 10-year period beginning on
5 January 1, 2020, the Administrator and the Sec-
6 retary shall carry out deep energy retrofits in not
7 less than 50 percent of the total square footage of
8 Federal buildings remaining for deep energy retro-
9 fits after the retrofits carried out under subsection
10 (b) are completed.

11 (2) MINIMUM ENERGY SAVINGS.—In carrying
12 out paragraph (1), the Administrator and the Sec-
13 retary shall ensure that at least $\frac{1}{3}$ of the total num-
14 ber of energy retrofits achieve energy savings of at
15 least 50 percent.

16 (3) TIMING.—Of the 50 percent of the total
17 square footage required for deep energy retrofits
18 under paragraph (1), approximately 5 percent shall
19 be completed during each year of the 10-year period
20 described in that paragraph.

21 (d) 2040 GOAL.—

22 (1) IN GENERAL.—The Secretary shall set goals
23 for deep energy retrofits during the 10-year period
24 beginning on January 1, 2030, after considering the

1 results of the deep energy retrofits carried out under
2 subsections (b) and (c).

3 (2) WAIVERS AND EXCEPTIONS.—In setting
4 goals under paragraph (1), the Secretary shall allow
5 waivers and exceptions for—

6 (A) historic structures;

7 (B) buildings with high energy use for se-
8 curity purposes; and

9 (C) such other special circumstances as the
10 Secretary may determine.

11 (e) ADJUSTMENT.—The Secretary may adjust the
12 number of deep energy retrofits required under this sec-
13 tion based on the most recent data relating to technical
14 feasibility and economic justification, as determined by the
15 Secretary taking into account the need to achieve positive
16 cashflow over the full life of measures using discount rates
17 designated by the Office of Management and Budget.

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