

117TH CONGRESS
2^D SESSION

S. 442

AN ACT

To amend title 40, United States Code, to require the Administrator of General Services to procure the most life-cycle cost effective and energy efficient lighting products and to issue guidance on the efficiency, effectiveness, and economy of those products, 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 “Bulb Replacement Im-
5 proving Government with High-efficiency Technology Act”
6 or the “BRIGHT Act”.

7 **SEC. 2. GUIDANCE.**

8 Not later than 1 year after the date of enactment
9 of this Act, the Administrator of General Services shall—

10 (1) issue guidance to Federal agencies for the
11 procurement and use of the most life-cycle cost ef-
12 fective and energy efficient lighting systems (as de-
13 termined in accordance with section 3313 of title 40,
14 United States Code) to increase the efficiency, effec-
15 tiveness, and economy of the Federal Government;
16 and

17 (2) publish on the internet or otherwise make
18 available to State, local, and Tribal entities informa-
19 tion on ways to improve efficiency, effectiveness, and
20 economy by procuring and using the most life-cycle
21 cost effective and energy efficient lighting systems
22 (as determined in accordance with section 3313 of
23 title 40, United States Code).

1 **SEC. 3. PROCUREMENT OF LIFE-CYCLE COST EFFECTIVE**
2 **AND ENERGY EFFICIENT LIGHTING SYSTEMS.**

3 (a) IN GENERAL.—Section 3313 of title 40, United
4 States Code, is amended—

5 (1) by striking subsection (h);

6 (2) by redesignating subsections (d) through (g)
7 as subsections (f) through (i), respectively;

8 (3) by striking the section designation and
9 heading and all that follows through the end of sub-
10 section (c) and inserting the following:

11 **“§ 3313. Procurement of life-cycle cost effective and**
12 **energy efficient lighting systems**

13 “(a) DEFINITIONS.—In this section:

14 “(1) ADMINISTRATOR.—The term ‘Adminis-
15 trator’ means the Administrator of General Services.

16 “(2) LIGHTING SYSTEM.—The term ‘lighting
17 system’ means the elements required to maintain a
18 desired light level, including lamps, light fixtures,
19 fixture distribution, sensors and control technologies,
20 interior design elements, and daylighting sources.

21 “(b) PROCUREMENT.—

22 “(1) IN GENERAL.—To the maximum extent
23 practicable, the Administrator shall—

24 “(A) procure the most life-cycle cost effec-
25 tive and energy efficient lighting systems; and

1 “(B) ensure that procurements after the
2 date of enactment of the BRIGHT Act of light-
3 ing systems or the individual components of
4 lighting systems maximize life-cycle cost effec-
5 tiveness and energy efficiency.

6 “(2) USE.—Each public building constructed,
7 altered, acquired, or leased by the Administrator
8 shall be equipped, to the maximum extent prac-
9 ticable as determined by the Administrator, with the
10 most life-cycle cost effective and energy efficient
11 lighting systems for each application.

12 “(c) MAINTENANCE OF PUBLIC BUILDINGS.—Each
13 individual component of a lighting system, including a
14 lamp or fixture, that is replaced by the Administrator in
15 the normal course of maintenance of public buildings shall
16 be replaced, to the maximum extent practicable, with the
17 most life-cycle cost effective and energy efficient lighting
18 system possible for the application.

19 “(d) CONSIDERATIONS.—

20 “(1) CONTRACTING OPTIONS.—In carrying out
21 this section, the Administrator shall consider appro-
22 priate contracting options for the procurement of the
23 most life-cycle cost effective and energy efficient
24 lighting systems.

1 “(2) PROCUREMENT AND USE.—In making a
2 determination under this section concerning the
3 practicability of procuring and installing the most
4 life-cycle cost effective and energy efficient lighting
5 system, the Administrator shall consider—

6 “(A) the compatibility of the lighting sys-
7 tem with existing equipment, including consid-
8 eration of a cost effective retrofit;

9 “(B) whether procurement and use of the
10 lighting system could result in interference with
11 productivity;

12 “(C) the aesthetics relating to the use of
13 the lighting system; and

14 “(D) such other factors as the Adminis-
15 trator determines to be appropriate.

16 “(e) LIFE-CYCLE COST EFFECTIVE.—The Adminis-
17 trator shall use the procedures and methods established
18 under section 544(a) of the National Energy Conservation
19 Policy Act (42 U.S.C. 8254(a)) in determining whether
20 a lighting system is life-cycle cost effective.”;

21 (4) in subsection (f) (as so redesignated)—

22 (A) in the matter preceding paragraph (1),
23 by striking “lighting fixture or bulb” and in-
24 serting “lighting system”;

1 (B) in paragraph (1), by striking “the fix-
2 ture or bulb is” and inserting “the lighting sys-
3 tem or the individual components of the lighting
4 system are”; and

5 (C) in paragraph (3), by striking “fixture
6 or bulb” and inserting “lighting system”;

7 (5) in subsection (g) (as so redesignated), by
8 inserting “procurement and” before “use in public
9 buildings”; and

10 (6) in subsection (h) (as so redesignated), by
11 inserting “procurement and” before “use of energy
12 efficient”.

13 (b) CLERICAL AMENDMENT.—The analysis for chap-
14 ter 33 of title 40, United States Code, is amended by
15 striking the item relating to section 3313 and inserting
16 the following:

“3313. Procurement of life-cycle cost effective and energy efficient lighting sys-
tems.”.

Passed the Senate March 30, 2022.

Attest:

Secretary.

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