

116TH CONGRESS  
1ST SESSION

# S. 1874

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.

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## IN THE SENATE OF THE UNITED STATES

JUNE 13, 2019

Mr. PETERS (for himself and Mr. JOHNSON) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

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## A BILL

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”.

1 **SEC. 2. GUIDANCE.**

2 (a) IN GENERAL.—Not later than 1 year after the  
3 date of enactment of this Act, the Administrator of Gen-  
4 eral Services shall—

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

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

19 (b) REPORT.—Not later than 5 years after the date  
20 of enactment of this Act, the Administrator of General  
21 Services shall submit to the Committee on Homeland Se-  
22 curity and Governmental Affairs of the Senate and the  
23 Committee on Oversight and Reform of the House of Rep-  
24 resentatives a report on the implementation of this Act  
25 and the amendments made by this Act, including the effi-  
26 ciency, effectiveness, and economy of the transition to the

1 most life-cycle cost effective and energy efficient lighting  
 2 systems (as determined in accordance with section 3313  
 3 of title 40, United States Code).

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

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

8 (1) by striking subsection (h);

9 (2) by redesignating subsections (d) through (g)  
 10 as subsections (f) through (i), respectively;

11 (3) by striking the section designation and  
 12 heading and all that follows through the end of sub-  
 13 section (c) and inserting the following:

14 **“§ 3313. Procurement of life-cycle cost effective and**  
 15 **energy efficient lighting systems**

16 “(a) DEFINITIONS.—In this section:

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

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

24 “(b) PROCUREMENT.—

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

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

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

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

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

23           “(d) CONSIDERATIONS.—

24                   “(1) CONTRACTING OPTIONS.—In carrying out  
25                   this section, the Administrator shall consider appro-

1        appropriate contracting options for the procurement of the  
2        most life-cycle cost effective and energy efficient  
3        lighting systems.

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

9                “(A) the compatibility of the lighting sys-  
10        tem with existing equipment, including consid-  
11        eration of a cost effective retrofit;

12                “(B) whether procurement and use of the  
13        lighting system could result in interference with  
14        productivity;

15                “(C) the aesthetics relating to the use of  
16        the lighting system; and

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

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

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

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

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

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

10 (5) in subsection (g) (as so redesignated), by  
11 inserting “procurement and” before “use in public  
12 buildings”; and

13 (6) in subsection (h) (as so redesignated), by  
14 inserting “procurement and” before “use of energy  
15 efficient”.

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

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

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