

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.

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

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 effective
4 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 effective-
9 ness 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 p r i a t e c o n t r a c t i n g o p t i o n s f o r t h e p r o c u r e m e n t o f t h e
2 m o s t l i f e - c y c l e c o s t e f f e c t i v e a n d e n e r g y e f f i c i e n t
3 l i g h t i n g s y s t e m s .

4 “(2) PROCUREMENT AND USE.—In making a
5 d e t e r m i n a t i o n u n d e r t h i s s e c t i o n c o n c e r n i n g t h e
6 p r a c t i c a b i l i t y o f p r o c u r i n g a n d i n s t a l l i n g t h e m o s t
7 l i f e - c y c l e c o s t e f f e c t i v e a n d e n e r g y e f f i c i e n t l i g h t i n g
8 s y s t e m , t h e A d m i n i s t r a t o r s h a l l c o n s i d e r —

9 “(A) the compatibility of the lighting sys-
10 t e m w i t h e x i s t i n g e q u i p m e n t , i n c l u d i n g c o n s i d -
11 e r a t i o n o f a c o s t e f f e c t i v e r e t r o f i t ;

12 “(B) whether procurement and use of the
13 l i g h t i n g s y s t e m c o u l d r e s u l t i n i n t e r f e r e n c e w i t h
14 p r o d u c t i v i t y ;

15 “(C) the aesthetics relating to the use of
16 t h e l i g h t i n g s y s t e m ; a n d

17 “(D) such other factors as the Adminis-
18 t r a t o r d e t e r m i n e s t o b e a p p r o p r i a t e .

19 “(e) LIFE-CYCLE COST EFFECTIVE.—The Adminis-
20 t r a t o r s h a l l u s e t h e p r o c e d u r e s a n d m e t h o d s e s t a b l i s h e d
21 u n d e r s e c t i o n 544(a) of the National Energy Conservation
22 P o l i c y A c t (42 U.S.C. 8254(a)) in determining whether
23 a l i g h t i n g s y s t e m i s l i f e - c y c l e c o s t e f f e c t i v e .” ;

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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