

AMENDMENT TO COMMITTEE PRINT #1
OFFERED BY MRS. WILSON OF NEW MEXICO

At the end of subtitle B, insert the following new section:

1 **SEC. 124. BRIGHT TOMORROW LIGHTING PRIZES.**

2 (a) **ESTABLISHMENT.**—Not later than 1 year after
3 the date of enactment of this Act, as part of the program
4 carried out under section 1008 of the Energy Policy Act
5 of 2005 (42 U.S.C. 16396), the Secretary shall establish
6 and award Bright Tomorrow Lighting Prizes for solid
7 state lighting in accordance with this section.

8 (b) **PRIZE SPECIFICATIONS.**—

9 (1) **60-WATT INCANDESCENT REPLACEMENT**
10 **LAMP PRIZE.**—The Secretary shall award a 60-Watt
11 Incandescent Replacement Lamp Prize to an entrant
12 that produces a solid-state light package simulta-
13 neously capable of—

14 (A) producing a luminous flux greater than
15 900 lumens;

16 (B) consuming less than or equal to 10
17 watts;

18 (C) having an efficiency greater than 90
19 lumens per watt;

1 (D) having a color rendering index greater
2 than 90;

3 (E) having a correlated color temperature
4 of not less than 2,750, and not more than
5 3,000, degrees Kelvin;

6 (F) having 70 percent of the lumen value
7 under subparagraph (A) exceeding 25,000
8 hours under typical conditions expected in resi-
9 dential use;

10 (G) having a light distribution pattern
11 similar to a soft 60-watt incandescent A19
12 bulb;

13 (H) having a size and shape that fits with-
14 in the maximum dimensions of an A19 bulb in
15 accordance with American National Standards
16 Institute standard C78.20-2003, figure
17 C78.20-211;

18 (I) using a single contact medium screw
19 socket; and

20 (J) mass production for a competitive sales
21 commercial market satisfied by the submission
22 of 10,000 such units equal to or exceeding the
23 criteria described in subparagraphs (A) through
24 (I).

1 (2) PAR TYPE 38 HALOGEN REPLACEMENT
2 LAMP PRIZE.—The Secretary shall award a
3 Parabolic Aluminized Reflector Type 38 Halogen
4 Replacement Lamp Prize (referred to in this section
5 as the “PAR Type 38 Halogen Replacement Lamp
6 Prize”) to an entrant that produces a solid-state-
7 light package simultaneously capable of—

8 (A) producing a luminous flux greater than
9 ~~or equal to 1,350 lumens;~~

10 (B) consuming less than or equal to 11
11 watts;

12 (C) having an efficiency greater than 123
13 lumens per watt;

14 (D) having a color rendering index greater
15 than or equal to 90;

16 (E) having a correlated color coordinate
17 temperature of not less than 2,750, and not
18 more than 3,000, degrees Kelvin;

19 (F) having 70 percent of the lumen value
20 under subparagraph (A) exceeding 25,000
21 hours under typical conditions expected in resi-
22 dential use;

23 (G) having a light distribution pattern
24 similar to a PAR 38 halogen lamp;

1 (H) having a size and shape that fits with-
2 in the maximum dimensions of a PAR 38 halo-
3 gen lamp in accordance with American National
4 Standards Institute standard C78-21-2003,
5 figure C78.21-238;

6 (I) using a single contact medium screw
7 socket; and

8 (J) mass production for a competitive sales
9 ~~commercial market satisfied by the submission~~
10 of 10,000 such units equal to or exceeding the
11 criteria described in subparagraphs (A) through
12 (I).

13 (3) TWENTY-FIRST CENTURY LAMP PRIZE.—
14 The Secretary shall award a Twenty-First Century
15 Lamp Prize to an entrant that produces a solid-
16 state-light-light capable of—

17 (A) producing a light output greater than
18 1,200 lumens;

19 (B) having an efficiency greater than 150
20 lumens per watt;

21 (C) having a color rendering index greater
22 than 90;

23 (D) having a color coordinate temperature
24 between 2,800 and 3,000 degrees Kelvin; and

1 (E) having a lifetime exceeding 25,000
2 hours.

3 (c) PRIVATE FUNDS.—The Secretary may accept and
4 use funding from private sources as part of the prizes
5 awarded under this section.

6 (d) TECHNICAL REVIEW.—The Secretary shall estab-
7 lish a technical review committee composed of non-Federal
8 officers to review entrant data submitted under this sec-
9 tion to determine whether the data meets the prize speci-
10 fications described in subsection (b).

11 (e) THIRD PARTY ADMINISTRATION.—The Secretary
12 may competitively select a third party to administer
13 awards under this section.

14 (f) AWARD AMOUNTS.—Subject to the availability of
15 funds to carry out this section, the amount of—

16 (1) the 60-Watt Incandescent Replacement
17 Lamp Prize described in subsection (b)(1) shall be
18 \$10,000,000;

19 (2) the PAR Type 38 Halogen Replacement
20 Lamp Prize described in subsection (b)(2) shall be
21 \$5,000,000; and

22 (3) the Twenty-First Century Lamp Prize de-
23 scribed in subsection (b)(3) shall be \$5,000,000.

24 (g) FEDERAL PROCUREMENT OF SOLID-STATE-
25 LIGHTS.—

1 (1) 60-WATT INCANDESCENT REPLACEMENT.—

2 Subject to paragraph (3), as soon as practicable
3 after the successful award of the 60-Watt Incandes-
4 cent Replacement Lamp Prize under subsection
5 (b)(1), the Secretary (in consultation with the Ad-
6 ministrator of General Services) shall develop gov-
7 ernmentwide Federal purchase guidelines with a goal
8 of replacing the use of 60-watt incandescent lamps
9 in Federal Government buildings with a solid-state-

10 light package described in subsection (b)(1) by not
11 later than the date that is 5 years after the date the
12 award is made.

13 (2) PAR 38 HALOGEN REPLACEMENT LAMP RE-
14 PLACEMENT.—Subject to paragraph (3), as soon as
15 practicable after the successful award of the PAR
16 Type 38 Halogen Replacement Lamp Prize under
17 subsection (b)(2), the Secretary (in consultation with
18 the Administrator of General Services) shall develop
19 governmentwide Federal purchase guidelines with
20 the goal of replacing the use of PAR 38 halogen
21 lamps in Federal Government buildings with a solid-
22 state-light package described in subsection (b)(2) by
23 not later than the date that is 5 years after the date
24 the award is made.

25 (3) WAIVERS.—

1 (A) IN GENERAL.—The Secretary or the
2 Administrator of General Services may waive
3 the application of paragraph (1) or (2) if the
4 Secretary or Administrator determines that the
5 return on investment from the purchase of a
6 solid-state-light package described in paragraph
7 (1) or (2) of subsection (b), respectively, is cost
8 prohibitive.

9 ~~(B) REPORT OF WAIVER.—If the Secretary~~
10 or Administrator waives the application of para-
11 graph (1) or (2), the Secretary or Adminis-
12 trator, respectively, shall submit to Congress an
13 annual report that describes the waiver and
14 provides a detailed justification for the waiver.

15 (h) BRIGHT LIGHT TOMORROW AWARD FUND.—

16 (1) ESTABLISHMENT.—There is established in
17 the United States Treasury a Bright Light Tomor-
18 row permanent fund without fiscal year limitation to
19 award prizes under paragraphs (1), (2), and (3) of
20 subsection (b).

21 (2) SOURCES OF FUNDING.—The fund estab-
22 lished under paragraph (1) shall accept—

23 (A) fiscal year appropriations; and

24 (B) private contributions authorized under
25 subsection (c).

1 (i) AUTHORIZATION OF APPROPRIATIONS.—There
2 are authorized to be appropriated such sums as are nec-
3 essary to carry out this section.
