

AMENDMENT TO H.R. 3221
OFFERED BY MR. BARROW OF GEORGIA

At the end of part 2 of subtitle A of title IX, insert the following:

1 **SEC. 9024. PRIZE FOR ADVANCES IN LIGHTING TECH-**
2 **NOLOGY.**

3 (a) **ESTABLISHMENT.**—The Secretary of Energy
4 shall establish a program for awarding \$5,000,000 prizes
5 in 2010 for advancements in lighting technology in each
6 of the categories described in subsection (b). In each case,
7 the lighting technology must be commercially available,
8 mass produced, and made by facilities in the United
9 States.

10 (b) **CATEGORIES.**—Prizes shall be awarded under this
11 section for advances in—

12 (1) halogen lighting that—

13 (A) emits at least 30 lumens per watt of
14 energy;

15 (B) lasts at least 2000 hours;

16 (C) emits 840 lumens; and

17 (D) has a color rendering index of at least
18 90;

19 (2) compact fluorescent lighting that—

- 1 (A) contains less than one milligram of
2 mercury;
- 3 (B) emits at least 75 lumens per watt of
4 energy;
- 5 (C) lasts at least 10,000 hours;
- 6 (D) emits 840 lumens;
- 7 (E) has a color rendering index of at least
8 90; and
- 9 (F) is fully dimmable on a standard two-
10 wire dimmer; and
- 11 (3) light emitting diode technology that—
- 12 (A) emits at least 100 lumens per watt of
13 energy;
- 14 (B) lasts at least 50,000 hours;
- 15 (C) emits 840 lumens;
- 16 (D) has a color rendering index of at least
17 90;
- 18 (E) is fully dimmable; and
- 19 (F) provides uniform (not directional) light
20 distribution.

Amend the table of contents accordingly.