

118TH CONGRESS
2D SESSION

H. R. 9894

To direct the Secretary of Energy to establish and carry out a program to provide rebates for the purchase and installation of cool roof products.

IN THE HOUSE OF REPRESENTATIVES

OCTOBER 1, 2024

Mrs. FOUSHEE (for herself, Mr. CLEAVER, Mr. RUIZ, Mr. HORSFORD, Ms. NORTON, and Mr. SOTO) introduced the following bill; which was referred to the Committee on Energy and Commerce

A BILL

To direct the Secretary of Energy to establish and carry out a program to provide rebates for the purchase and installation of cool roof products.

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 “Cool Roof Rebate Act
5 of 2024”.

6 **SEC. 2. COOL ROOF REBATE PROGRAM.**

7 (a) ESTABLISHMENT.—The Secretary shall establish
8 and carry out a program to provide rebates to eligible

1 households for the purchase and installation of eligible
2 cool roof products.

3 (b) REBATE AMOUNT.—The amount of a rebate pro-
4 vided under the program established under subsection (a)
5 shall be—

6 (1) with respect to an eligible cool roof product
7 installed on a low-sloped roof—

8 (A) \$0.25 per square foot if such eligible
9 cool roof product has—

10 (i) a minimum 3-year aged solar re-
11 flectance of 0.65 and a minimum 3-year-
12 aged thermal emittance of 0.75; or

13 (ii) a minimum 3-year aged Solar Re-
14 flectance Index of 78; and

15 (B) \$0.75 per square foot if such eligible
16 cool roof product has—

17 (i) a minimum 3-year aged solar re-
18 flectance of 0.75 and a minimum 3-year-
19 aged thermal emittance of 0.75; or

20 (ii) a minimum 3-year aged Solar Re-
21 flectance Index of 92; and

22 (2) with respect to an eligible cool roof product
23 installed on a steep-sloped roof—

24 (A) \$0.25 per square foot if such eligible
25 cool roof product has—

1 (i) a minimum 3-year aged solar re-
2 flectance of 0.25 and a minimum 3-year-
3 aged thermal emittance of 0.75; or

4 (ii) a minimum 3-year aged Solar Re-
5 flectance Index of 23; and

6 (B) \$0.75 per square foot if such eligible
7 cool roof product has—

8 (i) a minimum 3-year aged solar re-
9 flectance of 0.40 and a minimum 3-year-
10 aged thermal emittance of 0.75; or

11 (ii) a minimum 3-year aged Solar Re-
12 flectance Index of 43.

13 (c) COMBINING REBATES.—Nothing in this section
14 shall be construed to prohibit an eligible household from
15 receiving any other grant, rebate, or other financial assist-
16 ance with respect to the same eligible cool roof product
17 for which a rebate is provided under the program estab-
18 lished under subsection (a).

19 (d) TERMINATION DATE.—The program established
20 under subsection (a) shall terminate on September 30,
21 2029.

22 (e) REPORTING REQUIREMENT.—Not later than 6
23 months after the program established under subsection (a)
24 terminates, the Secretary shall submit to Congress a re-
25 port describing, for each program participant—

1 (1) whether the participant used the rebate to
2 help retrofit an old roof or install a new roof;

3 (2) if the participant retrofitted an old roof,
4 which older roof product the new eligible cool roof
5 product replaced or covered; and

6 (3) what eligible cool roof product the partici-
7 pant purchased using the rebate.

8 (f) AUTHORIZATION OF APPROPRIATIONS.—There is
9 authorized to be appropriated to carry out this section
10 \$25,000,000 for each of fiscal years 2025 through 2029.

11 (g) DEFINITIONS.—In this Act:

12 (1) 3-YEAR AGED.—The term “3-year aged”
13 means, with respect to solar reflectance or thermal
14 emittance of an eligible cool roof product, the solar
15 reflectance or thermal emittance is tested after com-
16 pleting 3 years of field exposure, or tested after lab-
17 oratory exposure that has replicated the effects of 3
18 years of natural exposure if the eligible cool roof
19 product has begun but not yet completed field expo-
20 sure, in accordance with the most recent standard
21 issued by the American National Standard Institute
22 and Cool Roof Rating Council, S100–2021.

23 (2) ELIGIBLE COOL ROOF PRODUCT.—The term
24 “eligible cool roof product” means a product that
25 has a rating from the Cool Roof Rating Council.

1 (3) ELIGIBLE HOUSEHOLD.—

2 (A) IN GENERAL.—Except as provided in
3 subparagraph (B), the term “eligible house-
4 hold” means an individual or family—

5 (i) residing in a single-family or multi-
6 family building;

7 (ii) the total annual income of which
8 is less than 200 percent of the median in-
9 come of the zip code in which the indi-
10 vidual or family resides (as reported by the
11 Department of Housing and Urban Devel-
12 opment); and

13 (iii) residing in a ZIP Code Tabula-
14 tion Area that is in the 75th percentile or
15 higher of the Heat and Health Index of
16 the Centers for Disease Control and Pre-
17 vention.

18 (B) ALASKA, HAWAII, AND TERRITORIES.—

19 With respect to an individual or family residing
20 in Alaska, Hawaii, or a territory of the United
21 States, until the date that their respective State
22 or territory is added to the Heat and Health
23 Index of the Centers for Disease Control and
24 Prevention, the term “eligible household”
25 means that such individual or family—

1 (i) resides in a single-family or multi-
2 family building; and

3 (ii) has a total annual income that is
4 less than 200 percent of the median in-
5 come of the zip code in which the indi-
6 vidual or family resides (as reported by the
7 Department of Housing and Urban Devel-
8 opment).

9 (4) INCIDENT SOLAR FLUX.—The term “inci-
10 dent solar flux” means the solar power per unit area
11 that strikes a surface.

12 (5) LOW-SLOPED ROOF.—The term “low-sloped
13 roof” means a roof with a slope (ratio of rise to run)
14 of 2:12 or less.

15 (6) RADIANT HEAT FLUX.—The term “radiant
16 heat flux” means the radiant power per unit area.

17 (7) REFLECTED SOLAR FLUX.—The term “re-
18 flected solar flux” means the solar power per unit
19 area reflected from a surface.

20 (8) SECRETARY.—The term “Secretary” means
21 the Secretary of Energy.

22 (9) SOLAR REFLECTANCE.—The term “solar re-
23 flectance” means the ratio of reflected solar flux to
24 the incident solar flux.

1 (10) SOLAR REFLECTANCE INDEX.—The term
2 “Solar Reflectance Index” means a calculated value
3 that combines solar reflectance with thermal
4 emittance into a single metric, in accordance with
5 section 2.2.9. of the Cool Roof Rating Council’s
6 Roof Product Rating Program Manual.

7 (11) STEEP-SLOPED ROOF.—The term “steep-
8 sloped roof” means a roof with a slope (ratio of rise
9 to run) greater than 2:12.

10 (12) THERMAL EMITTANCE.—The term “ther-
11 mal emittance” means the ratio of the radiant heat
12 flux emitted by a material tested at a temperature
13 near 300 kelvin.

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