

110TH CONGRESS  
1ST SESSION

# S. 1059

To amend the Energy Conservation and Production Act to improve Federal building energy efficiency standards, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

MARCH 29, 2007

Mrs. CLINTON (for herself and Mr. KERRY) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

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## A BILL

To amend the Energy Conservation and Production Act to improve Federal building energy efficiency standards, 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 “Zero-Emissions Build-  
5       ing Act of 2007”.

1 **SEC. 2. IMPROVEMENT OF FEDERAL BUILDING ENERGY EF-**  
 2 **FICIENCY STANDARDS.**

3 (a) STANDARDS.—Section 305(a)(3)(A)(i) of the En-  
 4 ergy Conservation and Production Act (42 U.S.C.  
 5 6834(a)(3)(A)(i)) is amended—

6 (1) in subclause (I), by striking “and” at the  
 7 end;

8 (2) by redesignating subclause (II) as subclause  
 9 (III); and

10 (3) by inserting after subclause (I) the fol-  
 11 lowing:

12 “(II) the buildings be designed so  
 13 that the greenhouse gas emissions (as  
 14 measured by the fossil fuel-generated  
 15 energy consumption of the buildings)  
 16 are reduced, as compared to the fossil  
 17 fuel-generated energy consumption by  
 18 a similar Federal building during fis-  
 19 cal year 2003 (as measured by Com-  
 20 mercial Buildings Energy Consump-  
 21 tion Survey data from the Energy In-  
 22 formation Agency), by the percentage  
 23 specified in the following table:

Fiscal Year	Percentage Reduction
2007 .....	50
2010 .....	60

Fiscal Year	Percentage Reduction
2015 .....	70
2020 .....	80
2025 .....	90
2030 .....	100

1                                   ; and”.

2           (b) APPLICATION TO MAJOR RENOVATIONS.—Section  
3 305(a)(3)(A)(i) of the Energy Conservation and Produc-  
4 tion Act (42 U.S.C. 6834(a)(3)(A)(i)) is amended—

5                   (1) by inserting “and Federal buildings under-  
6 going major renovations” after “for new Federal  
7 buildings”; and

8                   (2) in subclause (III) (as redesignated by sub-  
9 section (a)(2)), by inserting “and major renovations  
10 of buildings” after “all new and replacement build-  
11 ings”.

12          (c) COMPLIANCE.—Section 305(a)(3) of the Energy  
13 Conservation and Production Act (42 U.S.C. 6834(a)(3))  
14 is amended by adding at the end the following:

15                   “(D) COMPLIANCE.—A Federal agency  
16 may achieve the energy efficiency performance  
17 standards required under this paragraph by im-  
18 plementing a building design that uses—

19                                   “(i) design methods and energy effi-  
20 ciency technologies to reduce energy de-

1 mand, including building orientation, win-  
2 dow glazing, light scoops, or skylights;

3 “(ii) on-site, renewable energy genera-  
4 tion technologies, including ground source  
5 heat pumps and passive solar or solar  
6 photovoltaics; or

7 “(iii) any of the methods or tech-  
8 nologies described in clause (i) or (ii) at  
9 Federal facilities not covered by subpara-  
10 graph (A)(i) to produce energy savings  
11 that are in addition to the energy savings  
12 required under this paragraph (as in effect  
13 prior to the amendments made by section  
14 2 of the Zero-Emissions Building Act of  
15 2007) or planned prior to the date of en-  
16 actment of that Act.”.

17 (d) EFFECTIVE DATES.—Section 305(a)(3)(A) of the  
18 Energy Conservation and Production Act (42 U.S.C.  
19 6834(a)(3)(A)) is amended by striking “date of enactment  
20 of this paragraph” each place it appears and inserting  
21 “date of enactment of the Zero-Emissions Building Act  
22 of 2007”.

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