

# SENATE BILL No. 570

July 13, 2011, Introduced by Senator GREEN and referred to the Committee on Regulatory Reform.

A bill to amend 1972 PA 230, entitled  
"Stille-DeRossett-Hale single state construction code act,"  
(MCL 125.1501 to 125.1531) by adding section 13f.

## THE PEOPLE OF THE STATE OF MICHIGAN ENACT:

1        SEC. 13F. LOG WALLS ARE PERMITTED IN RESIDENTIAL BUILDINGS IF  
2        ALL OF THE FOLLOWING REQUIREMENTS ARE MET:

3            (A) THE LOG WALLS HAVE A MINIMUM AVERAGE WALL THICKNESS OF 5  
4        INCHES OR GREATER.

5            (B) THE LOG WALLS COMPLY WITH THE INTERNATIONAL CODE COUNCIL  
6        STANDARD ON THE DESIGN AND CONSTRUCTION OF LOG STRUCTURES, ICC 400-  
7        2007, OR OTHER SUCCESSOR STANDARD THAT THE DEPARTMENT MAY SPECIFY  
8        BY RULE.

9            (C) THE AREA WEIGHTED AVERAGE U-FACTOR FOR FENESTRATION  
10        PRODUCTS IN THE LOG WALLS IS A MAXIMUM OF 0.31.

1 (D) ALL ENERGY EFFICIENCY REQUIREMENTS OF THIS ACT AND RULES  
2 PROMULGATED UNDER THIS ACT APPLICABLE TO COMPONENTS OTHER THAN LOG  
3 WALLS ARE MET.

4 (E) THE BUILDING HEATING EQUIPMENT IS QUALIFIED UNDER THE  
5 ENERGY STAR PROGRAM JOINTLY OPERATED BY THE UNITED STATES  
6 DEPARTMENT OF ENERGY AND THE UNITED STATES ENVIRONMENTAL PROTECTION  
7 AGENCY AS PROVIDED FOR IN 10 CFR PART 430 OR THE BUILDING HEATING  
8 EQUIPMENT MEETS OR EXCEEDS THE FOLLOWING UNITED STATES DEPARTMENT  
9 OF ENERGY RATINGS:

10 (i) FOR A GAS FURNACE, AN ANNUAL FUEL UTILIZATION EFFICIENCY  
11 (AFUE) OF 90.

12 (ii) FOR AN OIL FURNACE, AN ANNUAL FUEL UTILIZATION EFFICIENCY  
13 (AFUE) OF 85.

14 (iii) FOR A BOILER, AN ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE)  
15 OF 85.

16 (iv) FOR A SPLIT SYSTEM AIR SOURCE HEAT PUMP, AN 8.2 HEATING  
17 SEASONAL PERFORMANCE FACTOR (HSPF).

18 (v) FOR A CLOSED LOOP WATER-TO-AIR GEOTHERMAL HEAT PUMP, AN  
19 ENERGY EFFICIENCY RATING OF 14.1 AND A COEFFICIENT OF PERFORMANCE  
20 OF 3.3.

21 (vi) FOR AN OPEN LOOP WATER-TO-AIR GEOTHERMAL HEAT PUMP, AN  
22 ENERGY EFFICIENCY RATING OF 16.2 AND A COEFFICIENT OF PERFORMANCE  
23 OF 3.6.

24 (vii) FOR A CLOSED LOOP WATER-TO-WATER GEOTHERMAL HEAT PUMP, AN  
25 ENERGY EFFICIENCY RATING OF 15.1 AND A COEFFICIENT OF PERFORMANCE  
26 OF 3.0.

27 (viii) FOR AN OPEN LOOP WATER-TO-WATER GEOTHERMAL HEAT PUMP, AN

1 ENERGY EFFICIENCY RATING OF 19.1 AND A COEFFICIENT OF PERFORMANCE  
2 OF 3.4.

3 (ix) FOR A DIRECT GEOTHERMAL EXCHANGE, AN ENERGY EFFICIENCY  
4 RATING OF 15.0 AND A COEFFICIENT OF PERFORMANCE OF 3.5.