

# SENATE BILL 1107

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CF 0lr1458

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By: **Senator Garagiola**

Introduced and read first time: March 8, 2010

Assigned to: Rules

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## A BILL ENTITLED

1 AN ACT concerning

2 **Renewable Energy Portfolio Standard – Renewable Energy Credits – Solar**  
3 **Water Heating Systems**

4 FOR the purpose of providing that energy from a certain solar water heating system is  
5 eligible for inclusion in meeting the renewable energy portfolio standard;  
6 providing that a person that owns and operates a certain solar water heating  
7 system shall receive a certain renewable energy credit under certain  
8 circumstances; requiring the total amount of energy generated and consumed by  
9 a commercial solar water heating system to be measured by a certain meter;  
10 requiring the total amount of energy generated and consumed by a residential  
11 solar water heating system to be measured in a certain way; prohibiting a  
12 residential solar water heating system from producing more than a certain  
13 number of solar renewable energy credits in any one year; defining a certain  
14 term; altering a certain definition; and generally relating to the eligibility of  
15 solar water heating systems for inclusion in meeting the renewable energy  
16 portfolio standard.

17 BY repealing and reenacting, without amendments,  
18 Article – Public Utility Companies  
19 Section 7–701(a)  
20 Annotated Code of Maryland  
21 (2008 Replacement Volume and 2009 Supplement)

22 BY adding to  
23 Article – Public Utility Companies  
24 Section 7–701(k–1) and 7–704(g)  
25 Annotated Code of Maryland  
26 (2008 Replacement Volume and 2009 Supplement)

27 BY repealing and reenacting, with amendments,  
28 Article – Public Utility Companies  
29 Section 7–701(l)

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EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 Annotated Code of Maryland  
2 (2008 Replacement Volume and 2009 Supplement)

3 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF  
4 MARYLAND, That the Laws of Maryland read as follows:

5 **Article – Public Utility Companies**

6 7–701.

7 (a) In this subtitle the following words have the meanings indicated.

8 **(K–1) (1) “SOLAR WATER HEATING SYSTEM” MEANS A SYSTEM THAT**  
9 **GENERATES ENERGY USING SOLAR RADIATION FOR THE PURPOSE OF HEATING**  
10 **WATER.**

11 **(2) “SOLAR WATER HEATING SYSTEM” DOES NOT INCLUDE A**  
12 **SYSTEM THAT GENERATES ENERGY USING SOLAR RADIATION FOR THE SOLE**  
13 **PURPOSE OF HEATING A HOT TUB OR SWIMMING POOL.**

14 (l) “Tier 1 renewable source” means one or more of the following types of  
15 energy sources:

16 (1) solar ENERGY, INCLUDING ENERGY FROM PHOTOVOLTAIC  
17 TECHNOLOGIES AND SOLAR WATER HEATING SYSTEMS;

18 (2) wind;

19 (3) qualifying biomass;

20 (4) methane from the anaerobic decomposition of organic materials in  
21 a landfill or wastewater treatment plant;

22 (5) geothermal;

23 (6) ocean, including energy from waves, tides, currents, and thermal  
24 differences;

25 (7) a fuel cell that produces electricity from a Tier 1 renewable source  
26 under item (3) or (4) of this subsection;

27 (8) a small hydroelectric power plant of less than 30 megawatts in  
28 capacity that is licensed or exempt from licensing by the Federal Energy Regulatory  
29 Commission; and

30 (9) poultry litter-to-energy.

1 7-704.

2 (G) (1) ENERGY FROM A SOLAR WATER HEATING SYSTEM IS ELIGIBLE  
3 FOR INCLUSION IN MEETING THE RENEWABLE ENERGY PORTFOLIO STANDARD.

4 (2) A PERSON THAT OWNS AND OPERATES A SOLAR WATER  
5 HEATING SYSTEM SHALL RECEIVE A RENEWABLE ENERGY CREDIT EQUAL TO  
6 THE AMOUNT OF ENERGY, CONVERTED FROM BTUS TO KILOWATT HOURS, THAT  
7 IS GENERATED BY THE SYSTEM THAT IS USED BY THE PERSON FOR WATER  
8 HEATING.

9 (3) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED  
10 FOR A COMMERCIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED BY A  
11 METER THAT:

12 (I) MEETS THE REQUIRED STANDARDS OF THE  
13 INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY; AND

14 (II) IS CAPABLE OF PROVIDING ENERGY PRODUCTION DATA  
15 ONLINE TO THE COMMISSION.

16 (4) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED  
17 BY A RESIDENTIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED:

18 (I) 1. BY A METER THAT MEETS THE REQUIRED  
19 STANDARDS OF THE INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY;  
20 AND

21 2. IS CAPABLE OF PROVIDING ENERGY PRODUCTION  
22 DATA ONLINE TO THE COMMISSION; OR

23 (II) BY THE SOLAR RATINGS AND CERTIFICATION  
24 CORPORATION'S OG-300 ANNUAL PRODUCTION ESTIMATE FOR THE SYSTEM.

25 (5) A RESIDENTIAL SOLAR WATER HEATING SYSTEM MAY NOT  
26 PRODUCE MORE THAN FIVE SOLAR RENEWABLE ENERGY CREDITS IN ANY 1  
27 YEAR.

28 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect  
29 October 1, 2010.