

SENATE BILL 156

C5

4lr1517

By: **Senators Manno and Mathias**

Introduced and read first time: January 13, 2014

Assigned to: Finance

A BILL ENTITLED

1 AN ACT concerning

2 **Public Utilities – Renewable Energy Portfolio Standard – Hydrokinetic**
3 **Turbines**

4 FOR the purpose of altering the Maryland renewable energy portfolio standard
5 program to include a certain amount of energy derived from hydrokinetic
6 turbines starting in a certain year; defining a certain term; and generally
7 relating to hydrokinetic turbines and the renewable energy portfolio standard.

8 BY repealing and reenacting, without amendments,
9 Article – Public Utilities
10 Section 7–701(a) and (r)
11 Annotated Code of Maryland
12 (2010 Replacement Volume and 2013 Supplement)

13 BY adding to
14 Article – Public Utilities
15 Section 7–701(d–1)
16 Annotated Code of Maryland
17 (2010 Replacement Volume and 2013 Supplement)

18 BY repealing and reenacting, with amendments,
19 Article – Public Utilities
20 Section 7–703(b)(17)
21 Annotated Code of Maryland
22 (2010 Replacement Volume and 2013 Supplement)

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

25 **Article – Public Utilities**

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 7-701.

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

3 **(D-1) “HYDROKINETIC TURBINE” MEANS A TURBINE THAT HARNESSSES**
4 **ENERGY FROM OCEAN CURRENTS, OCEAN TIDES, OR OCEAN WAVES.**

5 (r) “Tier 1 renewable source” means one or more of the following types of
6 energy sources:

7 (1) solar energy, including energy from photovoltaic technologies and
8 solar water heating systems;

9 (2) wind;

10 (3) qualifying biomass;

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

13 (5) geothermal, including energy generated through geothermal
14 exchange from or thermal energy avoided by, groundwater or a shallow ground source;

15 (6) ocean, including energy from waves, tides, currents, and thermal
16 differences;

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

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

22 (9) poultry litter-to-energy;

23 (10) waste-to-energy;

24 (11) refuse-derived fuel; and

25 (12) thermal energy from a thermal biomass system.

26 7-703.

27 (b) The renewable energy portfolio standard will be as follows:

28 (17) in 2022 and later, 20% from Tier 1 renewable sources, including:

- 1 (i) at least 2% derived from solar energy; [and]
- 2 (ii) an amount set by the Commission under § 7-704.2(a) of this
- 3 subtitle, not to exceed 2.5%, derived from offshore wind energy; AND
- 4 **(III) AT LEAST 0.0005% DERIVED FROM HYDROKINETIC**
- 5 **TURBINES.**

6 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect

7 October 1, 2014.