

## SENATE BILL 270

C5, M5  
SB 675/25 – EEE

6lr2333  
CF HB 674

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By: **Senators Carozza, Brooks, Gallion, Harris, Hershey, Hester, Simonaire,  
Watson, and West**

Introduced and read first time: January 19, 2026

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Committee Report: Favorable with amendments

Senate action: Adopted

Read second time: March 2, 2026

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### CHAPTER \_\_\_\_\_

1 AN ACT concerning

2 **Public Service Commission – Full Costs and Benefits Analysis of Sources of**  
3 **Electricity Generation**

4 FOR the purpose of requiring the Public Service Commission to conduct an analysis of the  
5 full costs and benefits of sources of electricity generation in the State; and generally  
6 relating to a study on electricity generation.

7 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
8 That:

9 (a) In this section, “Levelized Full System Cost of Electricity” means a formula  
10 that:

11 (1) calculates the costs of serving the entire State electricity market using  
12 only one energy source plus energy storage; and

13 (2) uses the following inputs:

14 (i) capital costs of the generating facility;

15 (ii) distribution system costs;

16 (iii) maintenance and operating costs;

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1 (iv) the cost of capital;

2 (v) capacity factors;

3 (vi) ramping up and down times; and

4 (vii) the annual electricity demand by hour in the target market.

5 (b) The Public Service Commission shall conduct a full costs and benefits analysis  
6 of sources of electricity generation in the State.

7 ~~(b)~~ (c) The analysis shall:

8 (1) identify the costs of electricity to ratepayers assuming that the State  
9 electricity market is served by the following generation mixes:

10 (i) natural gas energy at its current capacity;

11 (ii) nuclear energy at its current capacity; ~~and~~

12 (iii) 8,500 megawatts of offshore wind energy capacity;

13 (iv) solar energy at its current capacity; and

14 (v) energy storage at its current capacity;

15 (2) include the additional costs of electricity generation necessary to offset  
16 reliability issues and the intermittency of offshore wind energy and solar energy;

17 (3) use the Levelized Full System Cost of Electricity model and other methods  
18 that the Public Service Commission considers appropriate to analyze the  
19 costs of meeting the State's electricity needs from:

19 (i) only natural gas energy and energy storage;

20 (ii) only nuclear energy and energy storage; ~~and~~

21 (iii) only offshore wind energy and energy storage; and

22 (iv) only solar energy and energy storage;

23 (4) identify the costs for natural gas energy, nuclear energy, ~~and~~ offshore  
24 wind energy, and solar energy if energy storage is available to offset reliability and  
25 intermittency issues; and

26 (5) include recommended policy changes to support the development of the  
27 energy sources with the lowest costs and greatest benefits to the ratepayers of the State.

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1     ~~(c)~~ (d)     On or before December 1, 2027, the Public Service Commission shall report its  
2 findings and recommendations to the Senate Committee on Education, Energy, and the  
3 Environment and the House Environment and Transportation Committee, in accordance  
4 with § 2-1257 of the State Government Article.

5     SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect  
6 October 1, 2026.

Approved:

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Governor.

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President of the Senate.

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Speaker of the House of Delegates.