

SENATE BILL 675

C5, M5

5lr2724
CF 5lr2818

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

Introduced and read first time: January 26, 2025

Assigned to: Education, Energy, and the Environment

A BILL ENTITLED

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

11 (b) The analysis shall:

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

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

15 (ii) nuclear energy at its current capacity; and

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

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

19 (3) use the Levelized Full System Cost of Electricity model to analyze the
20 costs of meeting the State's electricity needs from:

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



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- 1 (i) only natural gas energy and energy storage;
- 2 (ii) only nuclear energy and energy storage; and
- 3 (iii) only offshore wind energy and energy storage;
- 4 (4) identify the costs for natural gas, nuclear, and offshore wind if energy
5 storage is available to offset reliability and intermittency issues; and
- 6 (5) include recommended policy changes to support the development of the
7 energy sources with the lowest costs and greatest benefits to the ratepayers of the State.
- 8 (c) On or before December 1, 2026, the Public Service Commission shall report its
9 findings and recommendations to the Senate Committee on Education, Energy, and the
10 Environment and the House Economic Matters Committee, in accordance with § 2–1257 of
11 the State Government Article.

12 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
13 October 1, 2025.