

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.



(i) only natural gas energy and energy storage;

(ii) only nuclear energy and energy storage; and

(iii) only offshore wind energy and energy storage;

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

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

(c) On or before December 1, 2026, the Public Service Commission shall report its findings and recommendations to the Senate Committee on Education, Energy, and the Environment and the House Economic Matters Committee, in accordance with § 2-1257 of the State Government Article.

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