STATE OF MARYLAND

PUBLIC SERVICE COMMISSION

September 30, 2025

Dispatchable Generation and Large Capacity Energy Resource—Solicitation	* * *	Administrative Docket PC 74

NOTICE OF DISPATCHABLE GENERATION AND LARGE CAPACITY ENERGY RESOURCE SOLICITATION AND CONVENING A PUBLIC CONFERENCE (PC 74)

The Next Generation Energy Act (SB 937/HB 1035) signed into law by Governor Wes Moore on May 20, 2025, among other things, established a solicitation process whereby certain generation sources may be selected by the Maryland Public Service Commission (the "Commission") to have an opportunity to go through an expedited Certification of Public Convenience and Necessity ("CPCN") process.[1] Generation eligible to apply under this solicitation process includes:

1. Dispatchable Energy Generation: A generating station or energy storage device with:
   a. an Effective Load Carrying Capability ("ELCC") of at least 65% as determined by PJM Interconnection, LLC's ("PJM") most recent ELCC Rating; and
   b. a lower greenhouse gas emissions profile than coal or oil energy generating stations.

2. Large Capacity Energy Resource: A generating station or energy storage device that:
   a. on or before January 1, 2025:
      i. has applied to PJM for interconnection approval; or
      ii. has been approved by PJM for interconnection; and
   b. has a capacity rating equal to or greater than 20 megawatts after accounting for the effective load carrying capability.

[1] 2025 MD Laws, Ch. 625 https://mgaleg.maryland.gov/2025RS/chapters_noln/Ch_625_sb0937E.pdf.

The Commission hereby provides notice that the Solicitation Period officially commences on October 1, 2025 and, unless extended, will conclude at the close of business on October 31, 2025. The authority for this solicitation and the expedited CPCN process is established under Public Utilities Article ("PUA") § 7–1201, 7–1206, 7–1207, 7–1208, 7–1209, and 7–207 or 7–207.5. All applicants should familiarize themselves with these statutes and all other statutes relevant to the CPCN processes.

Within 45 days after the closing date for the Solicitation Period, the Maryland Department of Natural Resources Power Plant Research Program ("PPRP") shall recommend to the Commission proposals to be authorized to utilize the expedited CPCN process under PUA §7–207.5. Unless the Commission grants a request for an extension for good cause, not later than 60 days after the close of the Solicitation Period the Commission shall approve, conditionally approve, or deny a proposal submitted in response to a solicitation issued under PUA § 7–1206.

If selected by the Commission, the Dispatchable Energy Generation or Large Capacity Energy Resource shall be eligible for the expedited CPCN process established under PUA § 7–207 and 7–207.5. Applicants should note that the sections applicable to Dispatchable Energy Generation or Large Capacity Energy Resource under these articles are abrogated at the end of June 30, 2030.

There may be a pre-application meeting for any interested applicant to ask questions of the Commission, PPRP, and the Maryland Department of the Environment regarding the application and CPCN process. If one is scheduled, the Commission will issue a subsequent notice with dates.

Accordingly, the Commission initiates Public Conference 74 ("PC 74") to facilitate the submission of expedited CPCN applications, and invites any party interested in submitting a

proposal to file their proposal via the Commission's eFile system.[2] All proposals should be addressed to Andrew S. Johnston, Executive Secretary, Maryland Public Service Commission, William Donald Schaefer Tower, 6 Saint Paul Street, 16th Floor, Baltimore, Maryland 21202, and reference "PC 74" in the subject line. The application requirements are attached to this notice.

By Direction of the Commission,

/s/ Andrew S. Johnston

Andrew S. Johnston
Executive Secretary

[2] Details of the eFile system can be found on the Commission's website, https://www.psc.state.md.us/.

Application Requirements:

A Dispatchable Energy Generation or Large Capacity Energy Resource that applies for selection shall provide the following:

(1) Identify if applying as a Dispatchable Energy Generation or Large Capacity Energy Resource and include a description of the generation resource including but not limited to the following:
- (i) fuel source;
- (ii) name plate capacity;
- (iii) annual energy projection;
- (iv) generation capacity after applying PJM's most recent ELCC Rating;
- (v) anticipated lifespan of the resource;
- (vi) anticipated degradation of times (11)–(iv) over the lifespan of the project;
- (vii) date the resource applied for or the anticipated application date for PJM interconnection approval;
- (viii) if completed, the date the resource was approved for PJM interconnection approval;
- (ix) if applicable to the generation resource, the method of cooling to be used;
- (x) if an energy storage device:
  - (a) description of the project's compliance with NFPA 855; and
  - (b) round trip efficiency. If it degrades over time, then the expected degradation;
  - (c) description of the energy storage anticipated operational use cases (e.g. wholesale market, transmission, etc.; and
- (xi) any other information necessary to demonstrate the project is qualified to apply as either a Dispatchable Energy Generation or Large Capacity Energy Resource.

(2) If the project is a natural gas energy generating station, provide any information to demonstrate or ensure that the project can be converted to use only hydrogen or a zero–emissions biofuel as the energy source when the Commission determines that the conversion is feasible.

(3) Include a detailed description of timeline for construction of the project, including:
- (i) Identifying the entity that has ownership or site control of the project site;
- (ii) queue position for PJM approval;
- (iii) the ability to procure materials, including turbines and other pipeline materials; and
- (iv) any information that demonstrates the applicant's:
  1. readiness to apply for a Certificate of Public Convenience and Necessity under PUA § 7–207 or § 7–207.5 as soon as is reasonably feasible after receiving approval for the project, including the anticipated application date; and
  2. ability to develop the project within the timeline presented.

(4) To help demonstrate information provided in (2) please inform the Commission of your status with the following if applicable to your generation resource:
- (i) progress or completion of PJM studies;
- (ii) interconnection studies;
- (iii) timelines for any expected network upgrades;
- (iv) material procurement of long lead time equipment and vendor commitments;

(v) air emission modeling;
(vi) determination of maximum hours of run time;
(vii) water appropriations and other necessary permits for water;
(viii) identification of any other permits applied for or intending to apply for; and
(ix) Development of a decommissioning plan.

(5) Include a description of the location of the project site, including:
(i) the proximity of the site to existing transmission lines and rights–of–way; and
(ii) whether the project would be retrofitting a current or previous generating station site.

(6) If applicable, include description of:
(i) the type and amount of co–located energy generation from tier 1 renewable sources, as defined in PUA § 7–701, that would be used with the project;
(ii) the amount of co–located energy storage that would be used with the project;
(iii) the use of carbon capture or sequestration technology to mitigate greenhouse gas emissions from the project; and
(iv) the amount of hydrogen or zero–emissions biofuels that the project will mix with natural gas for energy generation.

(7) State the emissions intensity of the generation output over the life of the project.

Other Requirements and Constraints to be Aware of:

(1) The combined total capacity of dispatchable energy generation projects and large capacity energy resource projects approved under the solicitation shall be greater than the combined summer peak capacity profile of coal and oil energy generating stations in the state as outlined under Table 9 of the Commission's Ten–Year Plan (2024–2033) of Electric Companies in Maryland.[3]

(2) The combined total capacity of natural gas dispatchable energy generation projects and large capacity energy resource projects approved may not exceed the combined summer peak capacity profile of coal and oil energy generating stations in the state as outlined under Table 9 of the Commission's Ten–Year Plan (2024–2033) of Electric Companies in Maryland.

(3) Every five years after the date that a natural gas dispatchable energy generation project or large capacity energy resource project becomes operational under a certificate of public convenience and necessity issued under PUA § 7–207.5, the owner or operator of the natural gas dispatchable energy generation or large capacity energy resource shall submit to the Commission a report regarding the feasibility of converting the natural gas dispatchable energy generation or large capacity energy resource to the use of only hydrogen or zero–emissions biofuel.

(4) An approval or conditional approval of a project under this section does not guarantee that the project will be issued a CPCN under PUA § 7–207 or § 7–207.5.

[3] https://www.psc.state.md.us/wp-content/uploads/2024-2033-Ten-Year-Plan-Report_FINAL_V2.pdf