

Note:
This summary was last updated on
December 15, 2025
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[PSC Case 9806](#)

Nanticoke Road Solar Project

28260 Nanticoke Road

Wicomico County, Maryland 21804

[PSC Case 9806](#)
PPRP Case Manager: Mark Mank

Note:
This summary is based on
information provided in the CPCN
Application and supplemental
information filed with the PSC on
July 29, 2025, August 10, 2025,
and October 21, 29 and 30 2025,
which are subject to change and
have not yet been fully reviewed by
PPRP.

CPCN Timeline

CPCN Application filed on July 29, 2025
Applicant's Filed Direct Testimony Due: December 19, 2025
1st Public Hearing (Virtual): January 7, 2026
PPRP and Staff file Direct Testimony RLCs: May 8, 2026
2nd Public Hearing: May 14, 2026
Applicant Status Update: June 16, 2026
PSC Evidentiary Hearing (if no contested issues): June 30, 2026

Project Location:

The Nanticoke Road Solar Project (Project) will consist of a 5 MW AC community solar power array. The Project will be located on a parcel totaling 41.9 acres along 28260 Nanticoke Road in Wicomico County, Maryland (Figure 1). [Google Map Link](#) Per the Applicant, the approximate limit of disturbance (LOD) for the Projects will be approximately 33 acres.

Project Overview:

Nanticoke Road Solar, LLC, (Applicant) has applied for a CPCN to construct a 5 MW AC solar array in Wicomico County.

Projects components include:

- 12,610 photovoltaic (PV) solar modules ground-mounted on a pile-driven or augered single-axis tracking rack system;
- Interconnection equipment: attachment facilities as necessary to connect to the utility substation with 24.94 kV circuit along Nanticoke Road;
- 20 string inverters; and
- Two power centers containing medium voltage transformers and a string inverter station.

Site Description

The parcel comprising the Project consists of existing agricultural fields and undeveloped forested lands. Surrounding areas are a mix of agricultural fields, residential properties and woodlands. The Applicants' Environmental Review Document (ERD) states the proposed Project is zoned as R-15 Residential (R-15) and R-20 Residential (R-20) in Wicomico County and the official Wicomico County Zoning Ordinance shows that Solar Utility facilities are not permitted either by right or by special exception measures in either district.

The Project will deliver all output to subscribers via the Delmarva Power & Light Company (DPL) electric distribution grid. The Applicant applied to the PSC for authorization to participate in Maryland's Community Solar Program and was assigned a Subscriber Organization Identification Number of 23A3064880006665. The Applicant initiated an interconnection study (DPL study DPL-0136685) and agreement on March 28, 2024 and received the results of the study on April 21, 2025 as well as conditional approval along with a cost estimate for interconnection services by DPL.

Impact Assessment Highlights

Biological

- The Applicant's ERD indicates that the parcels contain no streams or wetlands but one non-jurisdictional farm pond is located along the northern boundary of the agricultural field, outside the LOD.

Figure 1. Project Location



Source: Wicomico Nanticoke Road Solar CPCN Application

- The Maryland Department of the Environment (MDE) Nontidal Wetlands and Waterways Division confirmed, in a letter dated October 21, 2024, that the LOD does not encroach on any nontidal wetlands or associated 25-foot buffers; therefore, no authorization is required from the MDE.
- The Applicant's ERD states the Project parcels are not located within a Scenic or Wild River watershed, a Tier II catchment, or the Maryland Chesapeake Bay Critical Area.
- The Applicant's December 22, 2023, letter from the Maryland Department of Natural Resources (DNR), Wildlife Heritage Service (WHS) determined that there are no official records for State or Federal listed, candidate, proposed, or rare plant or animal species within the Projects' area.
- The Applicant reviewed and screened the project for rare, threatened, and endangered species and submitted a U.S. Fish and Wildlife Service (USFWS) Official Species List (OSL) and a USFWS self-certification letter to USFWS for review on November 8, 2023. The OSL indicated the project Study Area is suitable for one candidate species, the monarch butterfly. No response was received from USFWS and the Applicant assumed no additional species were considered potentially impacted by the Project.
- The Applicant stated impervious areas will be limited to the associated access driveway and equipment pads for mechanical and electrical equipment.
- The Applicant indicated that 0.24 acres of tree clearing is proposed for the project.

Noise Impacts

- The Applicant's ERD states that the nearest off-site residence is greater than 150 feet from the Project. Additionally, the Applicant indicated the closest non-participating residential reception areas to the equipment pad is approximately 208 feet away.

Visual Impacts

- The Project will be enclosed by a 7-foot-tall security fence.
- The Applicant intends to use existing vegetated areas and/or vegetative screening buffers on all sides of the Project.
- The Applicant utilized the Federal Aviation Administration (FAA) Notice Criteria Tool and determined the Project's location does not exceed notice criteria and no further coordination is required. The Project is located within 3 miles of Bennet Airport and the Maryland Aviation Administration (MAA) determined the Project is not an obstruction or hazard to air navigation.

Cultural Resource Impacts

- The Applicant corresponded with the Maryland Historic Trust (MHT), which has determined that the Project would have no adverse effect on historic properties.

Public Safety and Transportation

- The Applicant states that access to the Project site will be via an existing entrance along Nanticoke Road. The Project will also include a perimeter road for emergency vehicle access, or other access lanes as approved by the State and/or County Fire Marshal.
- The Applicants' ERD indicates that large materials and equipment will primarily be transported by tractor-trailers and unloaded by construction vehicles during the construction phase. Construction vehicles such as lulls, tracked vehicles and front-end loaders are expected to be utilized during construction within the LOD. During peak construction the Applicant estimated approximately 30 vehicle trips daily for workers and material deliveries. During operation traffic will mostly be limited to maintenance crews and vegetation management personnel traffic.
- The Applicant plans to coordinate with the State/County Fire Marshal for site access by emergency vehicles.

Economic and Fiscal

- The Applicant estimates the Project will create approximately 31 direct and 11 indirect jobs during the construction period. Following construction, the Project will generate 1 direct job during the operational phase.
- The Applicant indicated the Project represents a capital investment of approximately \$ 6 million.

Greenhouse Gas Emissions Avoided

- The Applicant modeled the Project would reduce carbon dioxide (CO₂) emissions in Maryland by approximately 340 tons per year.