

Note:
This summary was last updated on **August 8, 2024**
For current information, follow this link: [PSC Docket Case #9742](#)

TPE KE51 Millington Solar
10066 Peacock Corner Road, Millington, MD 21651
(Kent County)
[PSC Case #9742](#)
PPRP Case Manager: Ginny Rogers

Note:
This summary is based on information provided in the CPCN Application filed with the PSC on **May 22, 2024**, and the supplemental filing on June 27, 2024, which are subject to change and have not yet been fully reviewed by PPRP.

CPCN Timeline

CPCN Application filed on May 22, 2024
Applicant's Filed Direct Testimony Due: September 19, 2024
1st Public Hearing (Virtual): October 3, 2024
PPRP's, OPC's, Kent County's & Staff's Reply Testimony Due: January 9, 2025
All Parties' Rebuttal Testimony Due: January 31, 2025
All Parties' Surrebuttal Testimony Due: February 14, 2025
2nd Public Hearing: February 19, 2025
Settlement Status Update: February 28, 2025
PSC Evidentiary Hearing (if settlement is reached): March 5-6, 2025

Project Location:

The KE51 Millington (Project) will be located on a portion of a larger property totaling 199 acres near Millington, Maryland (Figure 1) in Kent County. [Google Map Link](#). Per the Applicant, the approximate limit of disturbance (LOD) for the Project will be 40 acres.

Project Overview:

TPE MD KE51, LLC (Applicant) has applied for a CPCN to construct a 5.0 MW AC solar array in Kent County.

Project components include:

- Single axis tracking solar panels.
- The project will interconnect to Delmarva Power via an existing electric pole-mounted distribution circuit on Peacock Corner Road using 6 utility poles.
- 40 String inverters;
- Power centers, each containing a medium voltage transformer, where the string inverters will be aggregated.

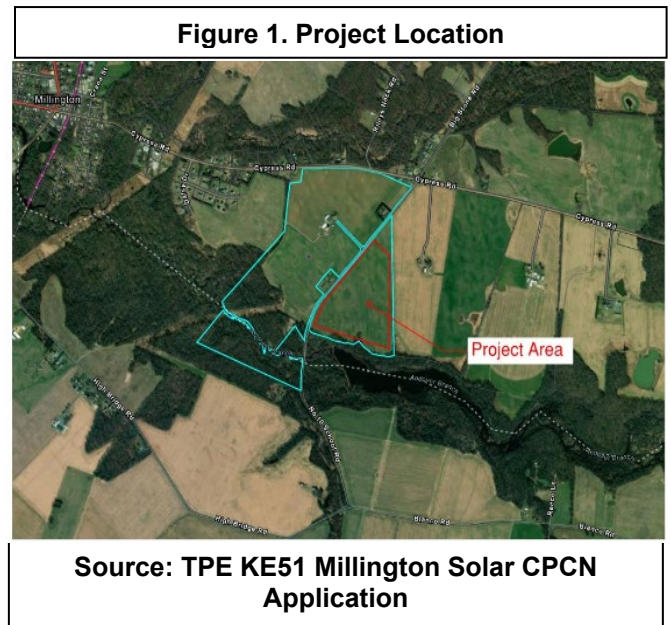
Site Description

The parcel that the Project is located on is split zoned between the Agricultural Zoning District (AZD) and Rural Character District. The Project is proposed entirely in the AZD, with the remainder of the parcel being retained by the land owner for agricultural use. Surrounding land uses include forests, agricultural, and other residential structures. According to the Kent County Land Use Ordinance, Solar energy systems, utility-scale, on farms is a permitted principal use and structure in the Agricultural Zoning District (AZD) under Special Exception (SE) regulations. The Project site includes a burial plot that will be avoided by the Project. The Applicant will include a 25-foot buffer around the burial plot and the fence around the Project site has been proposed such that public access to the burial plot is maintained.

The Project is a Community Solar Energy Generating System and will deliver all of its output to subscribers via the Delmarva Power electric distribution grid. At the time of its CPCN Application submittal, the Applicant was approved as a subscriber organization by the PSC for 5MW AC and issued PSC number 18A2216230004116. The Project was submitted to the Delmarva Power interconnection queue and currently is in the Engineering Study phase.

Impact Assessment Highlights

Biological



- The Project is in the Upper Chester (02130510) watershed, a sub-basin of the Chester River, which ultimately discharges into the Chesapeake Bay.
- The Applicant's ERD states that the portion of the property where the Project is located does not contain forest stands, specimen trees, streams, or wetlands. As such, the Project does not propose any tree removal or impacts to forest stands or specimen trees.
- The Applicant utilized U.S. Fish and Wildlife (USFWS) Information for Planning and Consultation (IPaC) tool to identify the presence of any possible rare, threatened, or endangered species on the site. There are no existing habitats for the threatened and endangered species on site and the Applicant plans to coordinate additional reviews with USFWS.
- Maryland's Department of Natural Resources (DNR) Wildlife and Heritage Service did identify that the project is within a watershed known to support freshwater mussels, including the Eastern Lampmussel (*Lampsilis radiata*) and the Creeper (*Strophitus undulatus*). The Eastern Lampmussel has an official state status of Uncertain, although it is thought to be possibly rare in Maryland, and the Creeper has a status of In Need of Conservation. As recommended by DNR, the Project will adhere stringently to all appropriate best management practices for sediment and erosion control during construction.

Noise Impacts

- The Applicant states that the solar panels do not produce sound, but the transformers and inverters will produce a low hum during the operation of the facility. The transformers and inverters have been located a minimum of 200 feet from the property line.

Visual Impacts

- The Applicant indicates the panel arrays will be enclosed and protected using a fence.
- The Project proposes to include a 50-foot landscape buffer surrounding the entirety of the array area

Cultural Resource Impacts

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

Public Safety and Transportation

- The Applicant states that the Federal Aviation Administration notice criteria tool indicated that the site does not exceed the notice criteria. The Applicant states the Maryland Aviation Administration (MAA) responded that the Project is located outside of the boundary limits that would require an airport zoning permit.
- The Applicant states that the entrance to the Project site will be from Peacock Corner Road and will need a new driveway entrance.
- The Applicant states if road damage occurs onsite, it will be resurfaced. Any damage to County roads will be restored in accordance with County requirements and standards.
- The Applicant States that during construction of the Project, daily traffic to the site may include tractor-trailers, miscellaneous construction equipment, and personnel vehicles.
- Temporary traffic control measures will be implemented during construction to ensure flow of traffic along Peacock Corner Road is maintained, while deliveries to the site will be appropriately scheduled to avoid peak travel times.

Economic and Fiscal

- The Applicant estimates that the Project will create 50 jobs during construction and installation. During the operation phase of the Project, the equivalent of two people will be employed part-time for ongoing operations, maintenance, and monitoring.
- The Project is estimated to provide \$120,000 of tax revenue in Year 1. During the life of the Project, the Project tax revenue is estimated to be \$2.3 million.

Greenhouse Gas Emissions Avoided

- The Applicant indicates that the Project would remove 6,780 metric tons of carbon dioxide emissions by using renewable energy.