

Note:
This summary was last updated on
February 27, 2024
For current information, follow this link:
[PSC Docket Case #9716](#)

Chaberton Bonneville Solar
1624 Jarrettsville Road
Jarrettsville, Maryland
(Harford County)
[PSC Case #9716](#)

PPRP Case Manager: Supida Piwkhaw

Note:
This summary is based on
information provided in the CPCN
Application filed with the PSC on
Oct. 2, 2023, and the Status
Updates filed on **Dec. 6, 2023, Dec.**
21, 2023, Jan. 19, 2024, and Jan.
26, 2024 which are subject to
change and have not yet been fully
reviewed by PPRP.

CPCN Timeline

- CPCN Application filed on October 2, 2023**
- Applicant's Filed Direct Testimony Due: April 10, 2024**
- 1st Public Hearing (Virtual): April 10, 2024**
- Intervenors' Direct Testimony Due: July 19, 2024**
- 2nd Public Hearing: Week of July 29, 2024**
- Settlement Status Update: August 5, 2024**
- PSC Evidentiary Hearing (if settlement is reached): August 13, 2024**

Project Location:

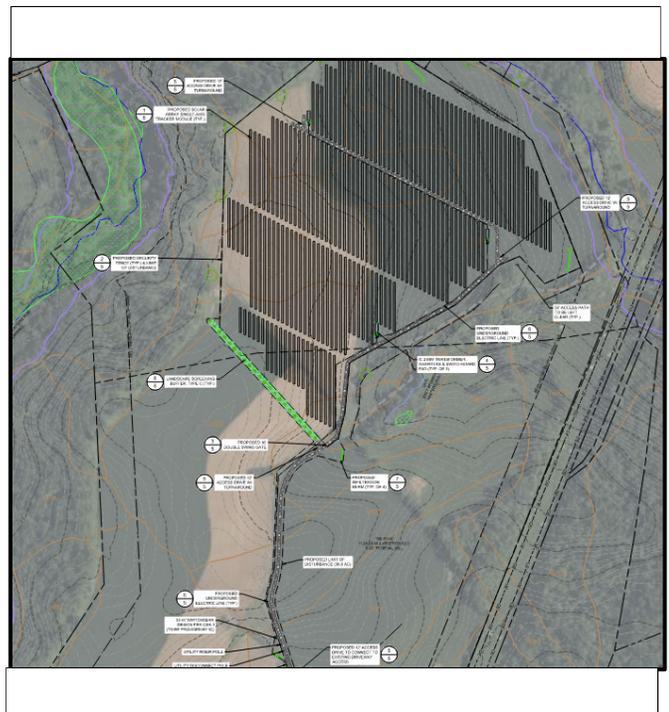
The Bonneville 5.0 MW AC Solar Project (Project) will be located on a portion of a larger property totaling 186.18 acres in Jarrettsville, Maryland (Figure 1) in Harford County. [Google Map Link](#). Per the Applicant, the approximate limit of disturbance (LOD) for the Project will be 37 acres.

Project Overview:

Chaberton Bonneville, LLC (Applicant) has applied for a CPCN to construct a 5.0 MW AC solar array in Harford County.

Project components include:

- Approximately 15,228 photovoltaic (PV) modules mounted on a single-axis tracking rack system;
- Interconnection equipment; including overhead electrical line south of Project to existing 33 kV feeder line to BGE Rock Ridge Substation (Applicant is responsible for construction)
- String inverters;
- Three power centers, each containing a central inverter station and a medium voltage transformer.



Site Description

The parcel that comprises the Project site includes agricultural fields and wooded areas. Approximately 56.3 percent of the parcel is considered prime farmland. Surrounding land uses include forest and agricultural. The Applicant's Environmental Review Document (ERD) notes that the Project site is located within the Agricultural Zoning District of the Harford County Zoning Ordinance. The Applicant states that Community Solar Energy Generation Stations (CSEGS) are permitted in Harford County when in compliance with applicable zoning codes. The Project is a Community Solar Energy Generating System and will deliver all of its output to subscribers via the Baltimore Gas and Electric (BGE) 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 at the site and BGE conditionally approved the Applicant's interconnection application.

Impact Assessment Highlights

Biological

- The Applicant's ERD states that no tree clearing is planned.
- The Property contains one perennial stream, named East Branch Winters Run, which is located outside of the Project area and will be protected from project development by a 100-foot buffer. The Applicant's wetland delineations did not delineate any wetland areas within the Project area.

- Project is located within a Tier II stream segment catchment area. The Applicant states that no known impacts are anticipated from the Project.
- The Applicant's ERD states the site is located within a Sensitive Species Project Review Area. The Applicant consulted with the Maryland Department of Natural Resources (DNR), and DNR determined there is the possibility of a listed rare, threatened, or endangered (RTE) animal species within the Project site. In response to DNR Wildlife and Heritage Service's (WHS) recommendations, the Applicant has incorporated recommended protective measures and developed mitigation plan during time of year restrictions, into the design plans.
- The U.S. Fish and Wildlife Service (USFWS) identified two federally protected species that could be affected by the Project. One of which may occur within the Site. USFWS has determined there are no critical habitats within the Project area.

Noise Impacts

- The Applicant's ERD states that the only noise generated during operation of the facility will be from the transformers and inverters. The Applicant's ERD states that the closest residential dwelling is approximately 1,000 feet away from the nearest proposed onsite inverter.

Visual Impacts

- The Applicant indicates the panel arrays will be enclosed and protected using a 7-foot-tall, chain-link galvanized mesh security fence.
- The Applicant has proposed a landscape buffer to provide vegetative screening along the southern border of the Project, where natural screening is not provided by existing forested areas. The Applicant's ERD states vegetative screening will be achieved through the installation of three rows of diverse plantings, consisting of a mix of deciduous trees, evergreen trees, and shrubs.

Cultural Resource Impacts

- The Applicant has corresponded with the Maryland Historical Trust (MHT) which has determined that the Project is unlikely to have an effect on significant archeological resources and no additional archeological investigations are recommended. Therefore, archeological investigations are not recommended. MHT also determined that the Project would have no effect on historic properties.

Public Safety and Transportation

- The Applicant states that there are no public or private airports located within 3 miles of the Project and, therefore, MAA notification is not required for the Project. FAA aeronautical reports confirmed that there are no hazards to air navigation associated with the Project.
- The Applicant states that the Project site will be on Jarrettsville Road and accessible via an existing access driveway, Cairnes Road, located off of Jarrettsville Road. The Applicant has proposed a new gravel access road that will connect the existing access road (Cairnes Road) to the Project site. The Applicant plans to coordinate with applicable agencies and authorities to obtain necessary permits.
- The Applicant's ERD states that during the construction period, large materials and equipment will be transported to staging areas on tractor-trailers and offloaded by construction vehicles. However, the Applicant anticipates that personnel vehicles will comprise most daily construction traffic. During operation, traffic will mostly be limited to maintenance crews for seasonal mowing and vegetation maintenance as well as maintenance for any operational issues.
- The Applicant does not anticipate any impact to fire safety and emergency vehicle traffic. The Applicant plans to coordinate emergency vehicle access to the Project site with the State Fire Marshal.

Economic and Fiscal

- The Applicant estimates that the Project will create 85 design, management, and construction jobs during the construction period and approximately 3-5 operation and maintenance jobs post-construction.
- The Applicant indicates that the Project represents a capital investment of approximately \$15 million.

Greenhouse Gas Emissions Avoided

- The Applicant indicates that the Project would reduce carbon dioxide (CO₂) emissions in Maryland by approximately 9,551 tons per year.