

# Clean Energy Development and Services (CEDS)



## Property Information Sheet

Property or Site Name DJJ Barrett Juvenile Correctional Center  
Address 11391 Barrett Center Rd  
City State Zip Mechanicsville, VA 23069  
County Hanover County

Property Size Acres 119.11 acres  
GPS Coordinates 37.710967, -77.360516  
Number of sites in Parcel 1  
Annual Energy Usage (Parcel) 586,500 kWh  
Utility Provider Dominion



Google Earth 3D Image

Area for Potential PV Installation 20.1 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	0.43 MW (431.08 kW DC)
Number of 250 watt panels needed	1,724
Annual Solar Insolation at Site	4.97 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	3.45 acres

### Site overview

The Barrett Juvenile parcel has a large portion of forested and sloped area. There are two large open areas that could host a solar array.

### Facilities within the Parcel

DJJ Barrett Juvenile Corretional Center

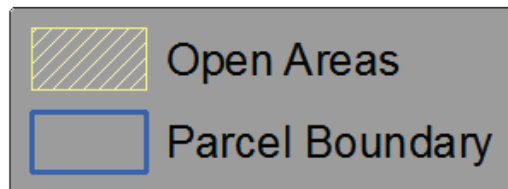
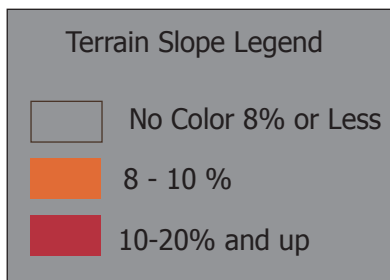
### Nearby State Entities

None.





0 240 Yards



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Esri ArcGIS Screenshot



0 160 Yards

### Terrain Slope Legend

- No Color 8% or Less
- 8 - 10 %
- 10-20% and up

- Open Areas
- Parcel Boundary



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