

Clean Energy Development and Services (CEDS)



Property Information Sheet

Property or Site Name Hanover VPSTC Juvenile Parcel
Address 7093 Broad Neck Rd
City State Zip Hanover, VA 23069
County Hanover County

Property Size Acres 1937.4 acres
GPS Coordinates 37.754592, -77.339167
Number of sites in Parcel 1
Annual Energy Usage (Parcel) 2,021,800 kWh
Utility Provider Dominion



Google Earth 3D Image

Area for Potential PV Installation 508.6 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	1.49 MW (1,486 kW DC)
Number of 250 watt panels needed	5,944
Annual Solar Insolation at Site	4.97 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	11.89
Roof Sq Ft	39,968.9 Sq Ft
kW capacity of roof (10-12 watts/sqft)	Approx 399-479 kW

Site overview

The Hanover VPSTC Parcel has several agricultural fields and sections of forest. There are a few areas of steep slopes around the property.

Facilities within the Parcel

Hanover Juvenile Correctional Center

Nearby State Entities

Pamunkey Regional Jail is east of the parcel.



Hanover VPSTC Juvenile Parcel

7093 Broad Neck Rd

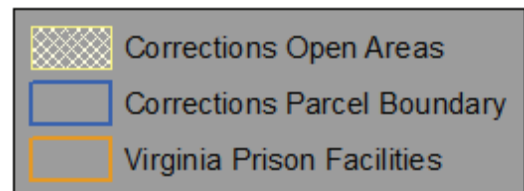
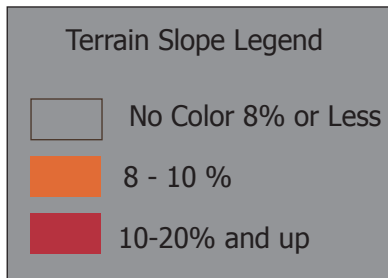
Hanover, VA 23069

Hanover County



0 0.5 Miles

Esri ArcGIS Screenshot



Esri ArcGIS Screenshot



Roof tops that appear flat or south-facing are colored orange.



This area on the west side of the facility appears to have 1 tree growing in the left center of the field. It is unclear from the images what the field is being used for but there are vehicle tracks visible on the image.

The field is approximately 3 acres but may have more area available after a site visit.

Timmons Group Site Map



DEPARTMENT OF JUVENILE JUSTICE
 AGENCY 777

VA PUBLIC
 SAFETY
 TRAINING
 CENTER

Hanover County, Virginia

EXISTING
 CONDITIONS

- Property Boundary
- DJJ Administered Building
- Closed Building; Not in Use
- Paved Parking Lot
- Gravel Parking Lot
- Agribusiness by DOC 654 Acres
- NWI Wetlands
- Floodplain

DJJ Office of
 Capital Outlay Management



FIGURE
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