

# Clean Energy Development and Services (CEDS)



## Property Information Sheet

Property or Site Name      Dinwiddie Correctional Parcel  
Address                        13510 Cox Rd  
City State Zip                Church Road, VA 23833  
County                         Dinwiddie County

Property Size Acres            222.21 acres  
GPS Coordinates               37.173436, -77.670882  
Number of sites in Parcel      1  
Annual Energy Usage (Parcel) 29,046 kWh  
Utility Provider                Dominion



Google Earth 3D Image

Area for Potential PV Installation 85.8 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	0.02 MW (21.01 kW DC)
Number of 250 watt panels needed	19,514
Annual Solar Insolation at Site	5.05 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	0.17 acres

### Site overview

The Dinwiddie Parcel is mostly flat with pasture and agricultural fields. Part of the parcel is forested and there are three small ponds within the parcel.

### Facilities within the Parcel

Dinwiddie Correctional Unit #27

### Nearby State Entities

VDOT Church Road Headquarters is located within the corrections parcel at 13410 Cox Rd. The annual demand for this VDOT site is 45,588 kWh according to the Dominion COV list provided for this study.



# Dinwiddie Correctional Parcel

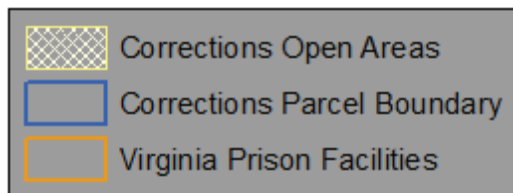
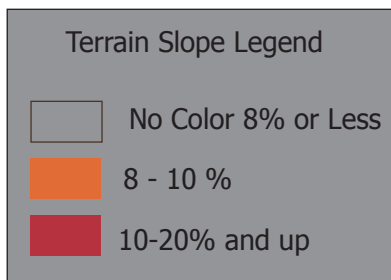
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Church Road, VA 23833  
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Esri ArcGIS Screenshot



0 0.3 Miles





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