

VDOT Solar Energy Development Project

Property Information Sheet



Property or Site Name Culpeper District Complex
Address 1601 Orange Rd
City State Zip Culpeper, VA 22701
County Culpeper

Property Size Acres 55.03 Acres
GPS Coordinates 38.457354, -77.997244
Number of meters on site 3
Annual Energy Usage 1,493,941 Kwh
Annual Demand Peak



Google Earth 3D Image.

Table 1: Solar PV Potential for Property.

Solar array needed to meet annual kWh demand	1.32 MW (1322 kW DC)
Number of 250 watt panels needed	5,286
Raw sq footage of solar panels	105,720 sqft
Sq footage of spaced solar panels	
Roof sq footage available	45,369 sqft
Open area sq footage available	490,090 sqft


Site overview

The Culpeper site has approximately 11 acres of open grassy areas that could accommodate ground-mounted solar arrays. The rooftop area as measured by GIS is approximately 45,369 square feet. Rooftop condition will have to be assessed for this property. According to VDOT notes, open area acreage may be less than depicted here.

Nearby State Entities

Within the above property boundary is the Office of Adult Probation and Parole. This entity according to Dominion Power records has an annual load of 42,738 Kwh. The office is located at 1845 Orange Rd, Culpeper, VA 22701, in the West corner of the property.



 Circle shows the nearby property Adult Probation and Parole

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