

VDOT Solar Energy Development Project

Property Information Sheet



Property or Site Name Richmond District Complex
Address 2430 Pine Forest Dr
City State Zip Colonial Heights, VA 23834
County Chesterfield

Property Size Acres 48.4 acres
GPS Coordinates 37.291243, -77.402348
Number of meters on site 5
Annual Energy Usage 1,043,182 kWh
Annual Demand Peak



Google Earth 3D Image

Table 1: Solar PV Potential for Property.

Solar array needed to meet annual kWh demand	0.92 MW (923 kW DC)
Number of 250 watt panels needed	3,691
Raw sq footage of solar panels	73,820 sqft
Sq footage of spaced solar panels	
Roof sq footage available	36,970 sqft
Open area sq footage available	133,074 sqft

Site overview

The Richmond District site has approximately 3 acres of open areas and more if a few trees were removed. There is also a small pond on the property. The property is split into two parcels by a north-south set of train tracks. Both parcels have a number of structures that may support rooftop PV. Several large rooftops were measured with GIS and have a combined area of approximately 36,970 square feet. The site has other buildings which could be utilized for rooftop PV, but shading will have to be assessed. Roof areas depicted here appear to be in un-shaded zones.

Nearby State Entities

None

There do not appear to be any other state entities nearby that could benefit from extra power generation.

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Esri ArcGIS Screenshot

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