

VDOT Solar Energy Development Project

Property Information Sheet



Property or Site Name Leesburg Residency Complex
Address 41 Lawson Rd SE
City State Zip Leesburg, VA 22075
County Loudoun County

Property Size Acres 11.1 acres
GPS Coordinates 39.101722, -77.546943
Number of meters on site 2
Annual Energy Usage 279,674 kWh
Annual Demand Peak



Google Earth 3D Image

Table 1: Solar PV Potential for Property.

Solar array needed to meet annual kWh demand	0.25 MW (247.5 kW DC)
Number of 250 watt panels needed	989
Raw sq footage of solar panels	19,780 sqft
Sq footage of spaced solar panels	17,050
Roof sq footage available	12,212 sqft
Open area sq footage available	33,916 sqft

Site overview

The Leesburg Residency site has two small open areas and solar array footprints have been placed within GIS. Each array footprint represents 15 solar panels on a ground-mounted rack and includes shading to the next array. This site can accommodate 20 racks as shown deploying 300 solar panels (75,000 kW DC). There are a number of roof structures that could accommodate PV but roof condition would have to be assessed. Note that this site needs approximately 989 250-watt solar panels to meet annual demand and the open areas only accommodate 300.

Nearby State Entities

None.

There do not appear to be any other state entities close to this property.



Esri ArcGIS Screenshot

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