

Clean Energy Development and Services (CEDS)



Property Information Sheet

Property or Site Name Marion Correctional Treatment Parcel
Address 110 Wright St
City State Zip Marion, VA 24354
County Smythe County

Property Size Acres 73.85 acres
GPS Coordinates 36.830970, -81.509187
Number of sites in Parcel 2
Annual Energy Usage (Parcel) 142,720 kWh
Utility Provider ApCo



Google Earth 3D Image

Area for Potential PV Installation 1.9 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	0.11 MW (109.3 kW DC)
Number of 250 watt panels needed	437
Annual Solar Insolation at Site	4.77 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	1 acres

Site overview

The Marion Correctional Treatment Parcel is located in an urban area. The property has open area but the terrain is sloped above 8%. The potential for PV exists but closer examination of the property is required.

Facilities within the Parcel

Marion Correctional Treatment Center
Keystone Marion Youth Center

Nearby State Entities

The Keystone Marion Youth Center is adjacent to the Marion parcel, located at 225 State St. The annual demand for this site is 334,320 kWh.

VDOT Marion Area HQ is located at 729 Matson Dr, and is across the road from the correction facility. The annual demand for this VDOT site could not be found by service address in the ApCo Data sheet.

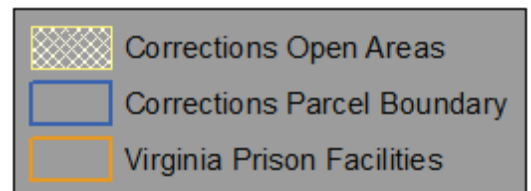
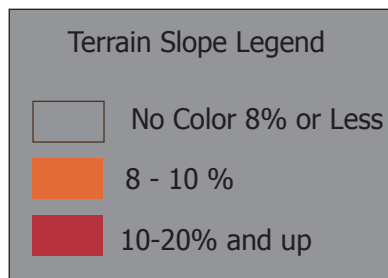


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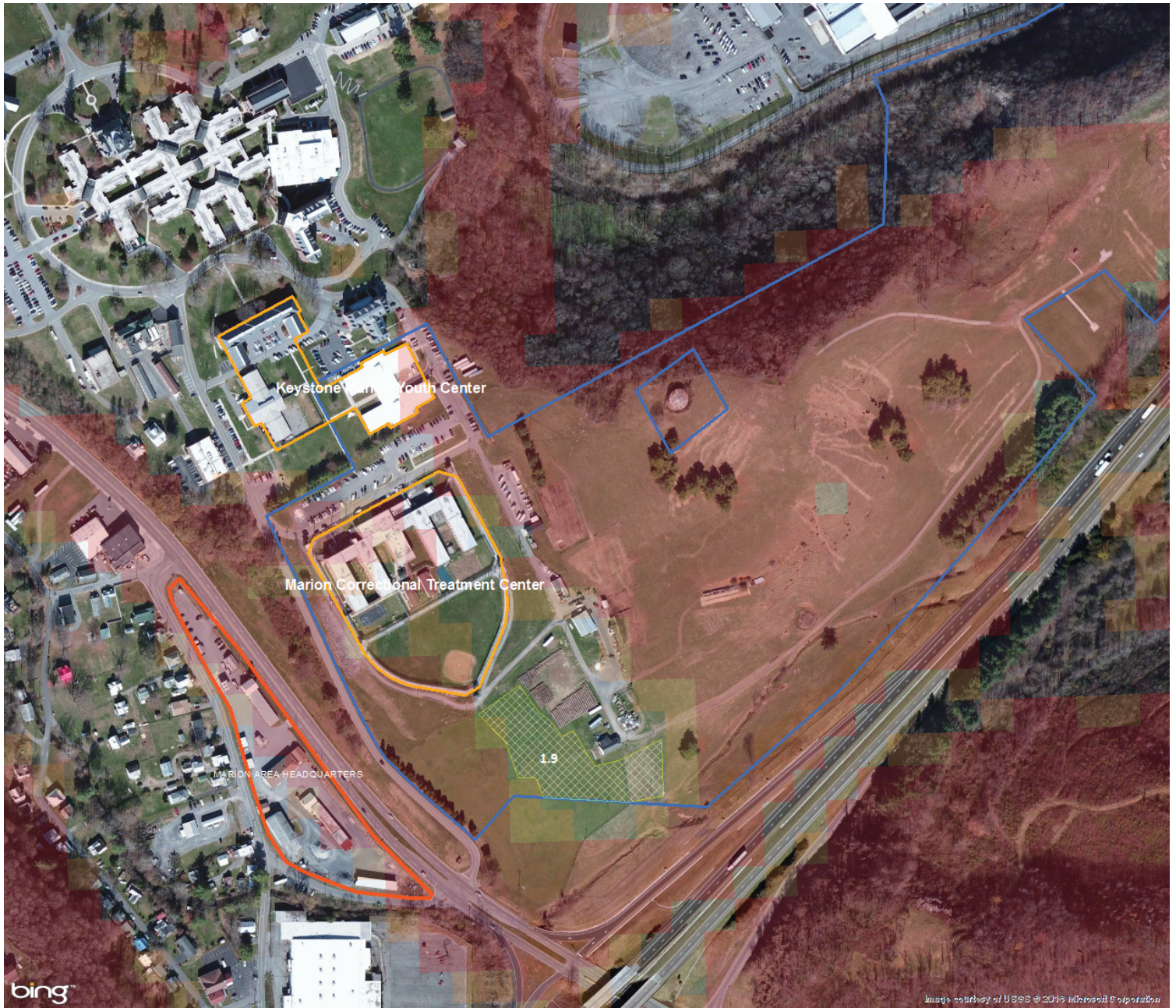
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Esri ArcGIS Screenshot



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Terrain Slope Legend

- No Color 8% or Less
- 8 - 10 %
- 10-20% and up

- Corrections Open Areas
- Corrections Parcel Boundary
- Virginia Prison Facilities



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