

# Clean Energy Development and Services (CEDS)



## Property Information Sheet

Property or Site Name Patrick Henry Correctional Parcel  
Address 18155 AL Philpott Hwy  
City State Zip Ridgeway, VA 24148  
County Henry County

Property Size Acres 85.25 acres  
GPS Coordinates 36.625470, -79.955287  
Number of sites in Parcel 1  
Annual Energy Usage (Parcel) 561,877 kWh  
Utility Provider ApCo



Google Earth 3D Image

Area for Potential PV Installation 13.5 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	0.41 MW (408 kW DC)
Number of 250 watt panels needed	1,632
Annual Solar Insolation at Site	5.03 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	3 acres

### Site overview

The Patrick Henry Correctional Unit parcel is a combination of forested and open areas of agricultural fields. There are steep slopes on the property that are limiting the available area.

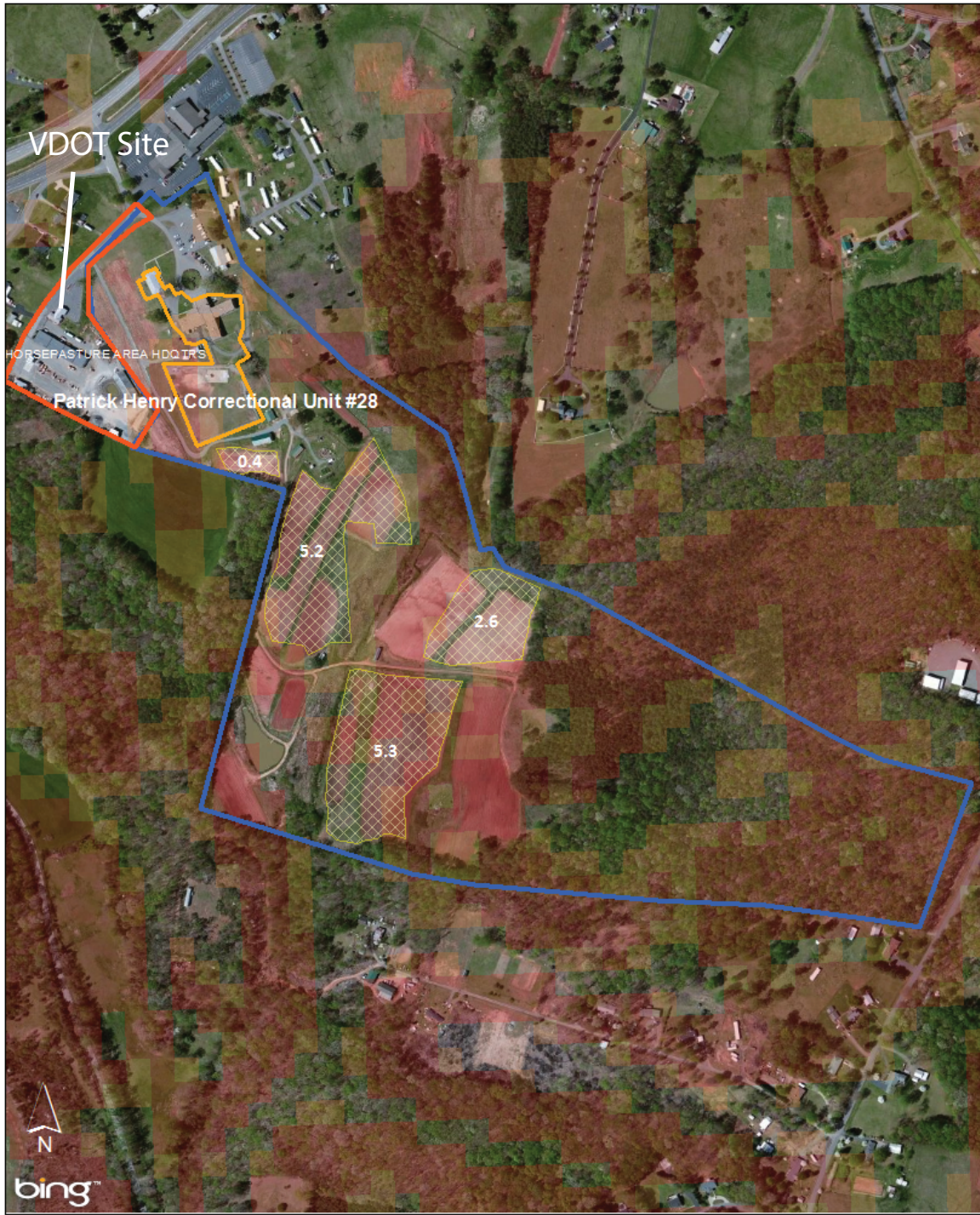
### Facilities within the Parcel

Patrick Henry Correctional Unit #28

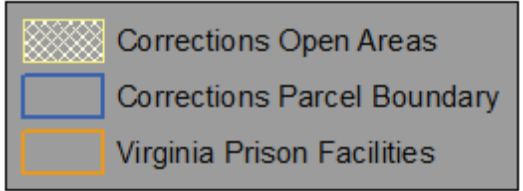
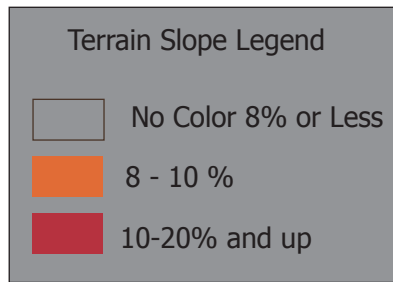
### Nearby State Entities

VDOT Horsepasture Area HQ, at 18151 AL Philpott Hwy, is located adjacent to the corrections parcel. The site demand is 84,053 kWh annually according to the Appalachian Commonwealth year end 06-2015 data sheet provided by DMME for this study.





0 0.2 Miles





Patrick Henry Correctional Parcel  
18155 AL Philpott Hwy  
Ridgeway, VA 24148



Henry County

Google Earth 3D Image





# Patrick Henry Correctional Parcel

18155 AL Philpott Hwy

Ridgeway, VA 24148

Henry County



Google Maps Image

