

# Clean Energy Development and Services (CEDS)



## Property Information Sheet

Property or Site Name Haynesville Correctional Parcel  
Address 650 Barnfield Rd  
City State Zip Haynesville, VA 22472  
County Richmond County

Property Size Acres 140.36 acres  
GPS Coordinates 37.958965, -76.669263  
Number of sites in Parcel 2  
Annual Energy Usage (Parcel) 6,597,296 kWh  
Utility Provider Dominion



Google Earth 3D Image

Area for Potential PV Installation 23.49 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	4.88 MW (4879 kW DC)
Number of 250 watt panels needed	19,514
Annual Solar Insolation at Site	4.94 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	39
Roof Area	79,515 Sq Ft

### Site overview

The Haynesville Correctional parcel seems to include the VDOT Northern Neck Haynesville AHQ facility within the parcel. The parcel contains some forested slopes and a few flat, open areas.

Currently the parcel is owned by the Virginia Public Building Authority.

### Facilities within the Parcel

Haynesville Correctional Center  
Haynesville Correctional Unit #17

### Nearby State Entities

VDOT Northern Neck / Haynesville AHQ Facility is within the parcel and North of the prison facility. The VDOT facility has an annual energy use of 102,233 kWh according to the Dominion COV list provided for this study.





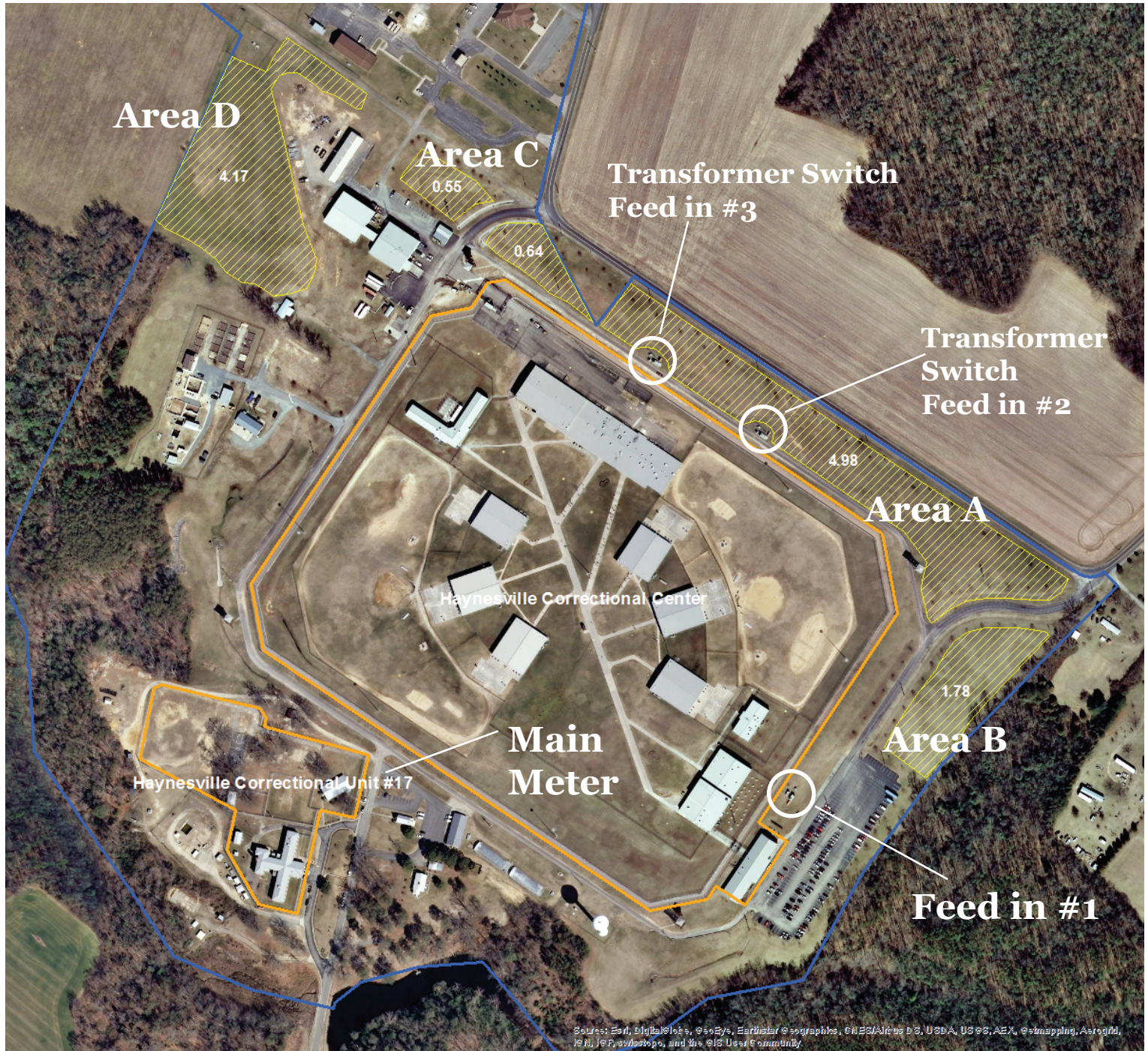
Terrain Slope Legend




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

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



Esri ArcGIS Screenshot

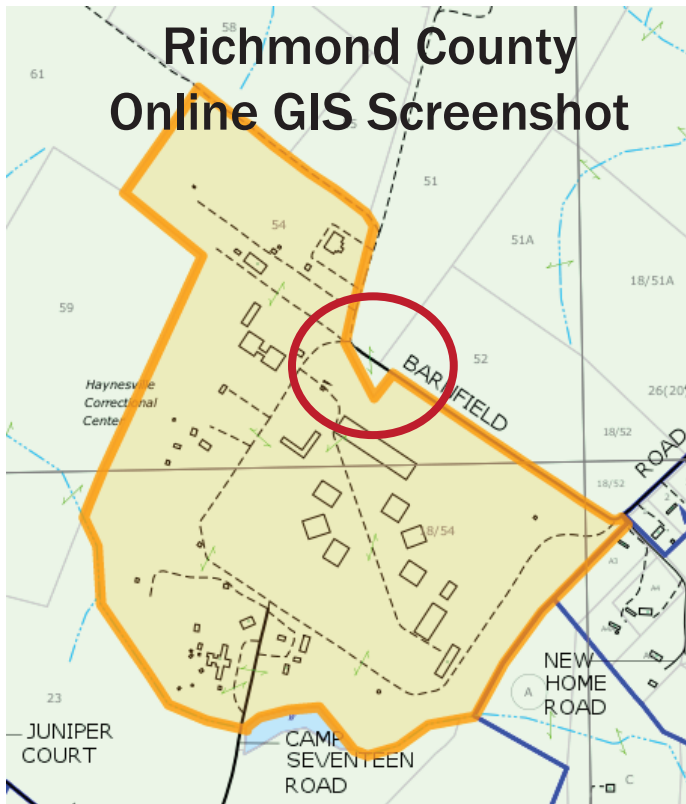


	Corrections Open Areas
	Corrections Parcel Boundary
	Virginia Prison Facilities



## Dominion Meters within the Parcel

Dominion Account	Name	Service Address	Bill Rate	Days	Max Demand	Avg Load Factor	Annual kWh	Annual Revenue
613495001	VA DEPT OF CORRECTIONS	CAMP SEVENTEEN RD	132.00	365.00	24.00	51.5%	80516.00	7108.00
713450005	DEPT OF CORRECTIONS	CAMP SEVENTEEN RD ADMIN	132.00	365.00	27.00	46.1%	81135.00	7209.00
2306192507	DEPT OF CORRECTIONS	421 BARNFIELD RD	135.00	365.00	1081.00	72.8%	5999700.00	378265.00
2306192507	DEPT OF CORRECTIONS	421 BARNFIELD RD	132.00	365.00	81.00	63.5%	385520.00	31009.00
4623430008	VA DEPT OF CORRECTIONS	CAMP SEVENTEEN RD	132.00	365.00	10.00	49.1%	31818.00	3082.00
9933380009	VA DEPT OF CORRECTIONS	CAMP SEVENTEEN RD	132.00	365.00	12.00	23.5%	18607.00	1860.00



The property boundary has a strange section that is owned by an adjacent property owner. This could affect PV placement.



# Haynesville Correctional Parcel

650 Barnfield Rd

Haynesville, VA 22472

Richmond County



## Site Visit Photos



On Thursday, May 26 representatives from DMME visited the Haynesville Corrections Center.



Crepe myrtles - removal of inner row may be possible

Diesel generators

Probable Dominion easment under power lines may limit how close to the fence solar can be installed

