

Clean Energy Development and Services (CEDS)



Property Information Sheet

Property or Site Name St Brides Correctional Parcel
Address 701 Sanderson Rd
City State Zip Chesapeake, VA 23322
County Chesapeake City

Property Size Acres 263.9 acres
GPS Coordinates 36.611972, -76.179254
Number of sites in Parcel 2
Annual Energy Usage (Parcel) 11,357,467 kWh
Utility Provider Dominion



Google Earth 3D Image

Area for Potential PV Installation 57.6 acres

Table 1: Solar PV Potential for Property.

Solar Array needed to meet Annual Kwh Demand	8.2 MW (8199.3 kW DC)
Number of 250 watt panels needed	32,797
Annual Solar Insolation at Site	5.06 (kWh/m2/Day)
Acres needed for Array (8 acre per MW)	65.6

Roof Area	St Brides	138,554 Sq Ft
	Indian Creek	85,599 Sq Ft

Site overview

The St Brides parcel is mostly flat and open. The site has a large demand but smaller open areas than other sites in this study. The site acreage is sufficient for up to 2 MW of PV.

Facilities within the Parcel

St Brides Correctional Center
Indian Creek Correctional Center

Nearby State Entities

None.



St Brides Correctional Parcel

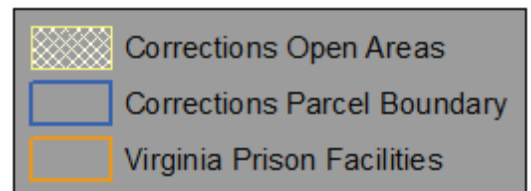
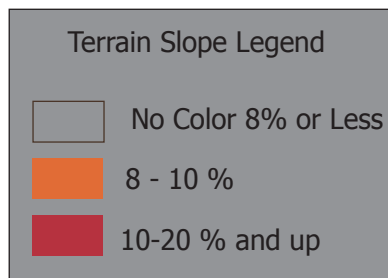
701 Sanderson Rd
Chesapeake, VA 23322
Chesapeake City



Esri ArcGIS Screenshot



0 0.2 Miles



St Brides Correctional Parcel




701 Sanderson Rd
Chesapeake, VA 23322
Chesapeake City

Esri ArcGIS Screenshot



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, Aero, GeoMapping, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

Orange areas on rooftops represent available areas where PV panels may be placed. Available area may increase or decrease depending on shade analysis, and structural inspection.

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

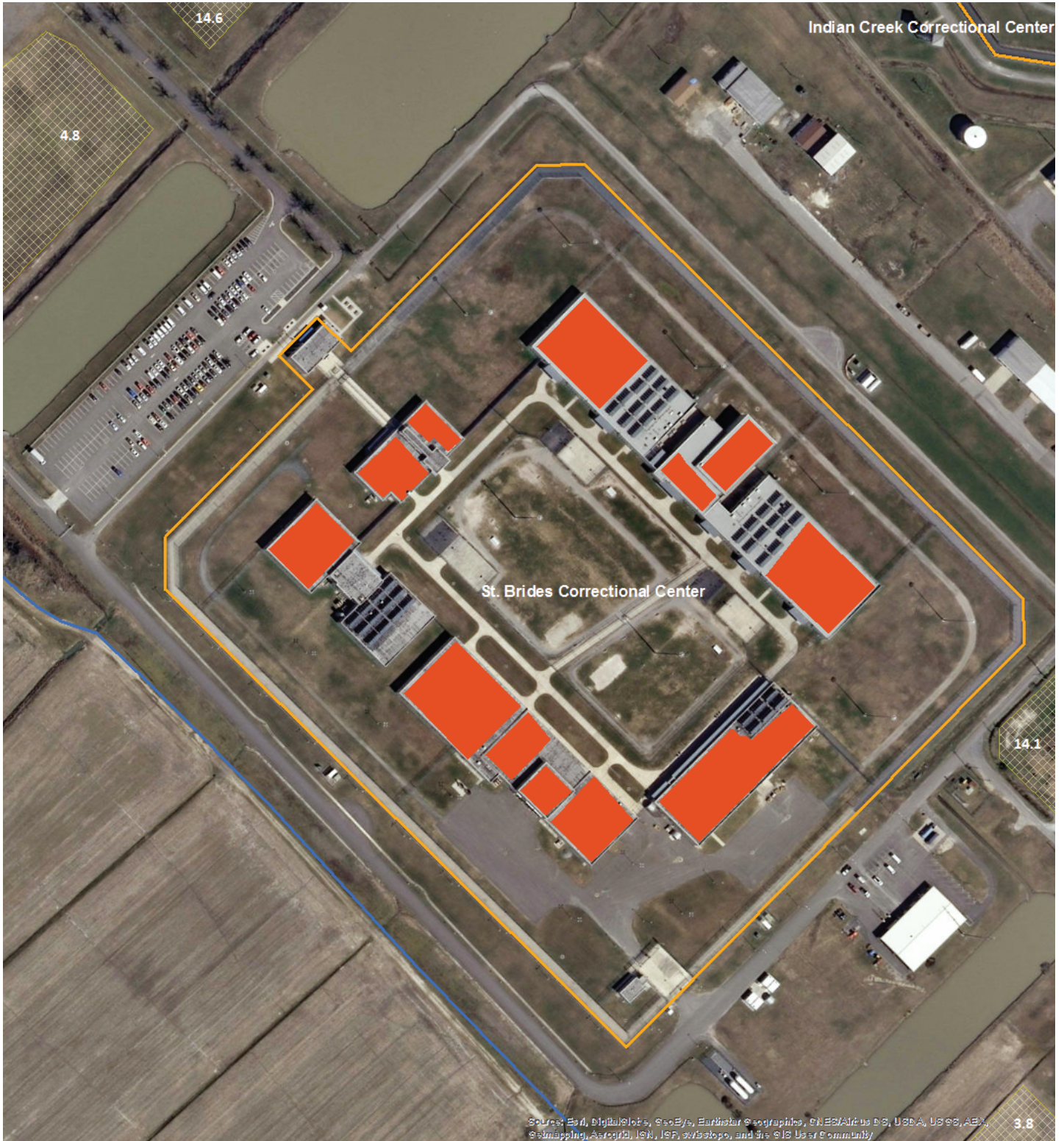


St Brides Correctional Parcel

701 Sanderson Rd
Chesapeake, VA 23322
Chesapeake City



Esri ArcGIS Screenshot



Orange areas on rooftops represent available areas where PV panels may be placed. Available area may increase or decrease depending on shade analysis, and structural inspection.



St Brides Correctional Parcel
701 Sanderson Rd
Chesapeake, VA 23322
Chesapeake City



Esri ArcGIS Screenshot



Google Earth 3D Image

