



May 20, 2016

Clean Energy Development and Services (CEDS)

Project Updates from GIS Department

DMME Selected Properties

DMME selected properties are being more closely scrutinized and project sizes are being considered. The NREL SAM model analysis has begun on several of the properties. Dr. Miles has more details on this process.

DGS Fish Hatcheries

The GIS Department has been examining the DGIF Fish hatcheries to see if land area and energy load are applicable for solar development through CEDS.

- Nine hatcheries were on the DGS list.
- Most had very small parcels, but two of the hatcheries could be considered for solar development, although the properties have small energy loads.
- Of the two with enough open area, only the Marion Fish Hatchery has utility data available (Apco).

Property sheets were created for the two hatcheries and are available on the website.

CEDS Website

<https://maps.cise.jmu.edu/public/wind/CEDSmap/>

DGS Department of Forestry Sites

DOF sites with structures were examined for potential solar development. At this time the DOF protected forests and wildlife management areas have not been examined.

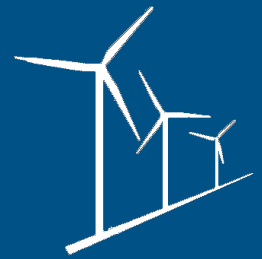
- Three DOF Forestry Centers have adequate open area for ground mount PV applications.
- Two of those have utility data available.
- These sites also are relatively small in regard to energy demand.

Property sheets for these three sites have been created and are available for download from the CEDS website.

Interactive Web Maps on CEDS Website

Another interactive map was created to display the Department of Forestry sites and the fish hatcheries. There are a total of four webmaps available for viewing on the website.

1. Department of Corrections
2. DGS State Hospitals with DMA Armories
3. VA Community Colleges
4. Department of Forestry Centers and State Fish Hatcheries



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Next Steps

The DGS Inventory of State Owned Properties is still being examined. Many of the remaining sites are conservation areas, protected forests, state parks, NAP, or empty land. Locating open areas in these larger sites may be done using image classification techniques to identify areas within the boundaries that would be suitable for future development.

At this time, it may be more beneficial to seek out other types of properties to examine such as brown sites, county landfills, abandoned mines, or other types of industry.

Notes to DMME.

Any questions relating to GIS, interactive web maps, and property sheets should be directed to Philip Sturm at: sturmpv@jmu.edu
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Please let us know if there is additional information you would like added to the property sheets.