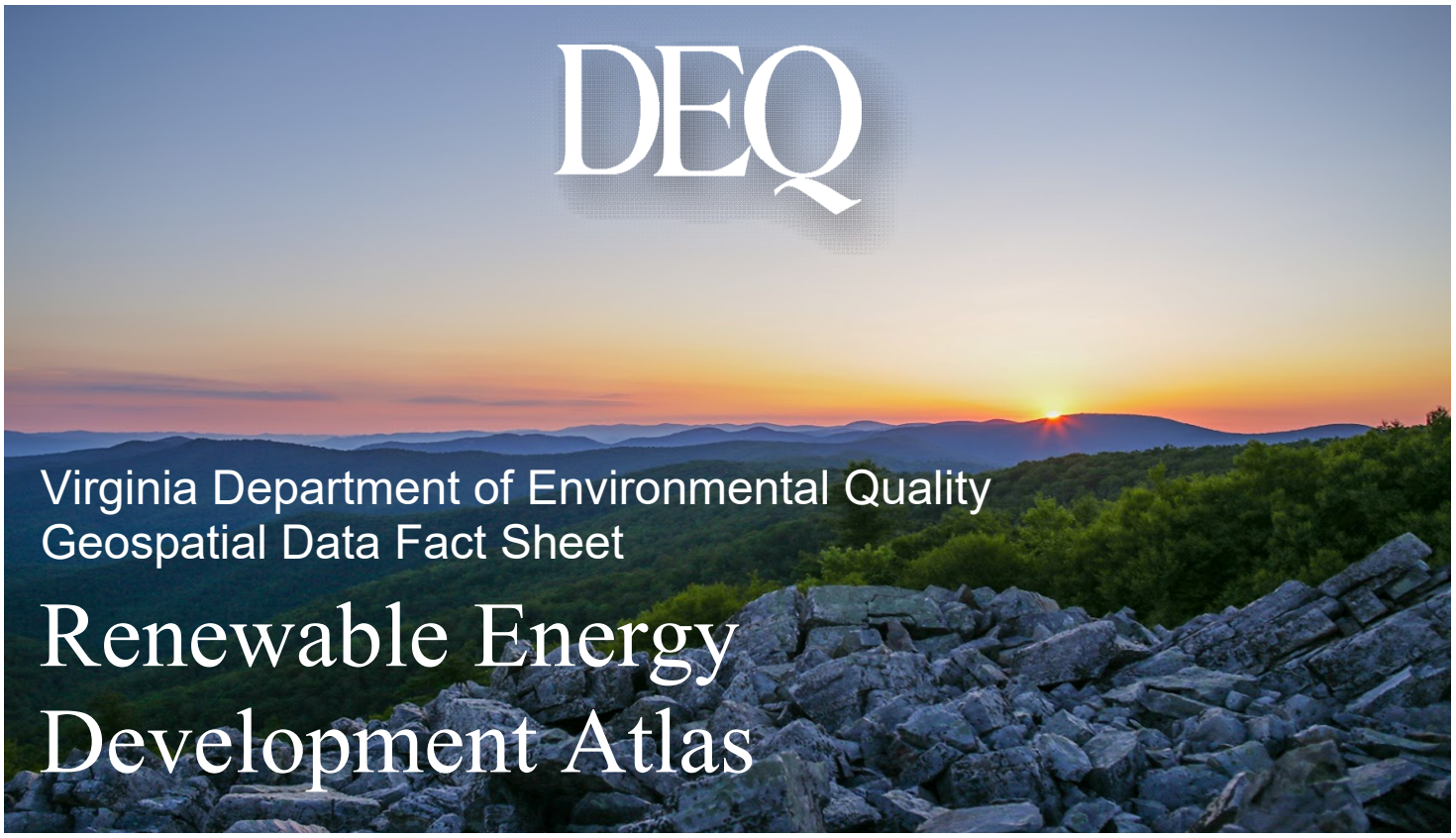
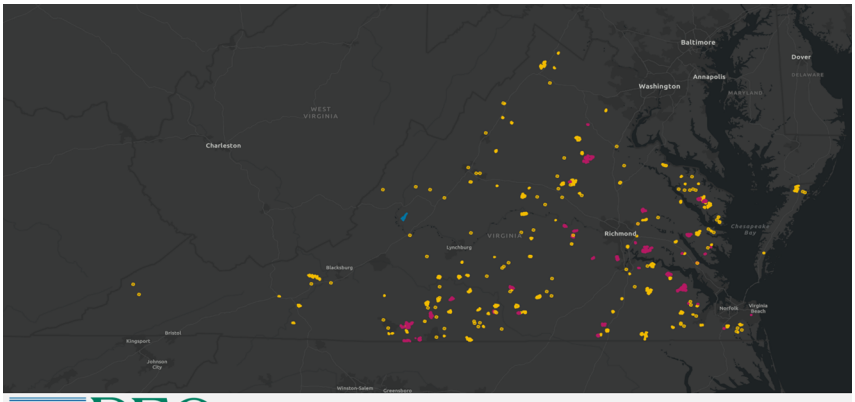


Virginia Department of Environmental Quality
Geospatial Data Fact Sheet

Renewable Energy Development Atlas

Dataset Summary

The Virginia Renewable Energy Development Atlas (REDA) is planning-level spatial data locating the Commonwealth's renewable energy permit boundaries. This dataset contains polygons for renewable energy sites, excluding section 130 de minimis permits, authorized by DEQ or a Certificate of Public Convenience and Necessity (CPCN) issued by the Virginia State Corporation Commission (SCC). REDA includes all actively permitted renewable energy permits, including facilities that have not been constructed and facilities that have not commenced commercial operation. Dataset updated intermittently on an as needed basis.



DEQ Virginia Department of Environmental Quality — Renewable Energy Development Atlas

Data Contact:

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Dataset Credits:

Virginia Department of Environmental Quality

Update Cycle:

Intermittently on an as needed basis.

Dataset Description and Purpose

The Virginia Renewable Energy Development Atlas (REDA) is planning-level spatial data locating the Commonwealth's renewable energy permit areas. The dataset contains boundaries for renewable energy permits authorized by the Virginia Department of Environmental Quality (DEQ) and the Virginia State Corporation Commission (SCC). Permit boundaries contain all actively permitted renewable energy permit areas, including facilities that have not been constructed and facilities that have not commenced commercial operation.

Resource Constraints / Use Limitations

Dataset geometry and attribution should not be altered except by the developer (DEQ). Crediting the Virginia Department of Environmental Quality as the data source is requested.

Data Disclaimer

This geographic information system (GIS) data is made available as a public service. This dataset is to be used for reference purposes only and DEQ is not responsible for any inaccuracies herein contained. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided. GIS information is in the public domain and may be copied without permission; citation of the source is suggested.

The information contained within this geospatial dataset is for reference purposes only and is not to be construed or used as a "legal description" or for legal purposes. This information is believed to be accurate, but accuracy is not guaranteed. Information drawn from this dataset must be used in consultation with appropriate federal, state, or local resource management officials. Any errors or omissions should be reported to DEQ via email, or via the contact listed within this fact sheet.

Data Quality

This dataset was created by manually georeferencing applicant-submitted site plans and context maps and generating polygonal boundaries using Virginia parcels data. Attributes were joined from state datasets.

Spatial Reference Information

EPSG 4326: WGS 84 – Geographic Coordinate System: Latitude/Longitude (Degrees)

Data Dictionary / Field Information.

Field Name	Field Alias	Field Summary
OBJECTID	OBJECTID	Automatically generated sequential whole numbers
Shape	Shape	Feature geometry
Permitting_Agency	Permitting Agency	The state agency which authorized the permit
Permit_Number	Permit Number	Identifying numbers assigned to each permit
Permit_Name	Permit Name	
Locality	Locality	Local government entity the permit is located within

Field Name	Field Alias	Field Summary
Megawatts	Megawatts	Rated power capacity which permitted facilities are authorized to operate at
Total_Acres	Total Acres	Area in acres which permits are authorized to work within
Permit_Issuance	Permit Issuance	Date the permit was authorized
Commercial_Operation	Commercial Operation	Date the permitted facility began operating commercially i.e. contributing power to the grid, if known
Brownfield_Status	Brownfield Status	Denotes whether the permitted area has been determined to be a brownfield by DEQ's Brownfields program. Listed for DEQ permits only
Facility_Type	Facility Type	Identifies what form of renewable energy the permit has been authorized to generate
Shape_Length	Shape_Length	Automatically generated length field
Shape_Area	Shape_Area	Automatically generated area field