Solar Energy Zones



Tags

Solar Energy Zone, Solar Energy Development, Bureau of Land Management, SEZ, BLM

Summary

This feature class was developed to represent Solar Energy Zones as part of the Bureau of Land Management's Solar Energy Program Western Solar Plan.

Description

This dataset represents Solar Energy Zones available for utility-grade solar energy development under the Bureau of Land Management's Solar Energy Program Western Solar Plan. For details and definitions, see the website at http://blmsolar.anl.gov/sez/.

Credits

Developed for the Department of Interior, Bureau of Land Management by Argonne National Laboratory.

Use limitations

This layer was developed by Argonne National Laboratory from data supplied by the Bureau of Land Management and other federal agencies. Argonne National Laboratory is not responsible for the accuracy or completeness of the data.

Extent

West -117.571265 **East** -105.874503
North 38.484694 **South** 32.082646

Scale Range

Maximum (zoomed in) 1:50,000
Minimum (zoomed out) 1:625,000

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE planningCadastre, utilitiesCommunication
* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No
PLACE KEYWORDS ARIZONA, CALIFORNIA, COLORADO, NEW MEXICO, NEVADA, UTAH
THEME KEYWORDS Solar Energy Zone, Solar Energy Development, Bureau of Land Management, SEZ, BLM

Citation

TITLE Solar Energy Zones
ALTERNATE TITLES Solar Energy Zones
PUBLICATION DATE 2022-06-02
REVISION DATE 2013-08-28
PRESENTATION FORMATS * digital map

Citation Contacts

RESPONSIBLE PARTY
INDIVIDUAL'S NAME Emily Zvolanek
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION Senior GIS Analyst
CONTACT'S ROLE point of contact
CONTACT INFORMATION ▶
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TYPE both
DELIVERY POINT 9700 S. Cass Ave
CITY Argonne
ADMINISTRATIVE AREA IL
POSTAL CODE 60439
COUNTRY US
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Resource Details

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format
STATUS on-going
SPATIAL REPRESENTATION TYPE * vector
* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.0.12790
CREDITS
Developed for the Department of Interior, Bureau of Land Management by Argonne National Laboratory.
ARCGIS ITEM PROPERTIES
* NAME developable_area_sez_v2

Extents

EXTENT
DESCRIPTION
Includes SEZs published as part of the Solar Energy Development Programmatic Environmental Impact Statement with updates to SEZs as they are received from the Bureau of Land Management.
TEMPORAL EXTENT
BEGINNING DATE 2012-07-02
ENDING DATE 2013-08-28
EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -117.571265
* EAST LONGITUDE -105.874503
* NORTH LATITUDE 38.484694
* SOUTH LATITUDE 32.082646
* EXTENT CONTAINS THE RESOURCE Yes

Extent in the item's coordinate system
* West longitude -13087973.369293
* East longitude -11785895.743594
* South latitude 3774164.122553
* North latitude 4648124.874325
* Extent contains the resource Yes

Resource Maintenance

Resource maintenance
Update frequency as needed

Resource Constraints

Constraints
Limitations of use
This layer was developed by Argonne National Laboratory from data supplied by the Bureau of Land Management and other federal agencies. Argonne National Laboratory is not responsible for the accuracy or completeness of the data.

Spatial Reference

ArcGIS coordinate system
* Type Projected
* Geographic coordinate reference GCS_WGS_1984
* Projection WGS_1984_Web_Mercator_Auxiliary_Sphere
* Coordinate reference details
Projected coordinate system
Well-known identifier 102100
X origin -22041257.952553775
Y origin -30241100
XY scale 144148035.48642668
Z origin -100000
Z scale 10000
M origin -100000
M scale 10000
XY tolerance 0.001
Z tolerance 0.001
M tolerance 0.001
High precision true
Latest well-known identifier 3857
Well-known text PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

Reference system identifier
* Value 3857
* Codespace EPSG
* Version 8.8(9.3.1.2)

Spatial Data Properties

Vector
* Level of topology for this dataset geometry only
Geometric objects
Feature class name developable_area_sez_v2
* Object type composite
* Object count 64

ArcGIS Feature Class Properties
Feature class name developable_area_sez_v2
* Feature type Simple
* Geometry type Polygon
* Has topology FALSE
* Feature count 64
* Spatial index TRUE
* Linear referencing FALSE

Lineage

Lineage statement
Edited on 6/2/2022 to remove Fourmile East SEZ from Colorado and all California SEZs.

Fields

Details for object developable_area_sez_v2 ►
* Type Feature Class
* Row count 64

Field OBJECTID
* Alias OBJECTID
* Data type OID
* Width 4
* Precision 0
* Scale 0
* Field description
Internal feature number.
* Description source
ESRI
* Description of values
Sequential unique whole numbers that are automatically generated.

Field Shape
* Alias Shape
* Data type Geometry
* Width 0
* Precision 0
* Scale 0
* Field description
Feature geometry.
* Description source
ESRI
* Description of values
Coordinates defining the features.

Field ZONE_NAME
Alias ZONE_NAME
* Data type String
* Width 100
* Precision 0
* Scale 0
Field description
Name given to Solar Energy Zone by BLM State Office.
Description source
Argonne National Laboratory

Field STATEOFFICE
* Alias STATEOFFICE
* Data type String
* Width 30
* Precision 0
* Scale 0
Field description
BLM State Office.
Description source
Argonne National Laboratory

Field Status
* Alias Status
* Data type String
* Width 50
* Precision 0
* Scale 0
Field description
Legacy attribute used to track SEZ history. Not up to date.
Description source
Argonne National Laboratory

Field Comments
* Alias Comments
* Data type String
* Width 255
* Precision 0
* Scale 0
Field description
Solar energy zone alternative comments.

Field Shape_Length
* Alias Shape_Length
* Data type Double
* Width 8
* Precision 0
* Scale 0
* Field description
Length of feature in internal units.
* Description source
ESRI
* Description of values
Positive real numbers that are automatically generated.

Field Shape_Area
* Alias Shape_Area
* Data type Double
* Width 8
* Precision 0
* Scale 0
* Field description
Area of feature in internal units squared.
* Description source
ESRI
* Description of values
Positive real numbers that are automatically generated.

Field ACRES
* Alias ACRES
* Data type Double
* Width 8
* Precision 0
* Scale 0

Field Zone_Name_Status
* Alias Zone_Name_Status
* Data type String
* Width 100
* Precision 0
* Scale 0

Metadata Details

* Metadata language English (UNITED STATES)
* Metadata character set utf8 - 8 bit UCS Transfer Format
Scope of the data described by the metadata * dataset
Scope name * dataset
* Last update 2022-07-18
ArcGIS metadata properties
Metadata format ArcGIS 1.0
Metadata style FGDC CSDGM Metadata
Standard or profile used to edit metadata FGDC
Created in ArcGIS for the item 2022-07-18
Last modified in ArcGIS for the item 2022-07-18
Automatic updates
Have been performed Yes
Last update 2022-07-18 16:33:16

Metadata Contacts

Metadata contact
- Individual's name: Emily Zvolanek
- Organization's name: Argonne National Laboratory
- Contact's position: Senior GIS Analyst
- Contact's role: point of contact
- Contact information
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    - Voice: 630.334.8101
  - Address
    - Type: both
    - Delivery point: 9700 S. Cass Ave
    - City: Argonne
    - Administrative area: IL
    - Postal code: 60439
    - Country: US
    - e-mail address: emily@anl.gov

Metadata Maintenance

Maintenance
- Update frequency: as needed