

Electric Planning Areas



Tags

peak demand, homeland security, name, homeland defense, peak demand, electric coordination, megawatts, electric coordination, peak demand, megawatt hours, transmission, energy infrastructure, homeland security, distribution, name, homeland security, megawatt hours, distribution, emergency response, planning, distribution, transmission, planning, homeland security, distribution, megawatt hours, energy infrastructure, electric coordination, megawatts, emergency response, homeland security, homeland defense, emergency response, distribution, homeland defense, planning, energy infrastructure, transmission, megawatts, name, distribution, planning, name, electric coordination, energy infrastructure, megawatts, homeland security, homeland defense, megawatts, homeland security, homeland defense, megawatts, homeland defense, homeland security, megawatt hours, transmission, energy infrastructure, megawatt hours, name, megawatt hours, electric coordination, name, planning, planning, megawatt hours, electric coordination, megawatts, homeland security, emergency response, electric coordination, planning, electric coordination, megawatt hours, transmission, name, energy infrastructure, emergency response, distribution, electric coordination, peak demand, peak demand, energy infrastructure, megawatts, peak demand, homeland defense, distribution, megawatt hours, transmission, distribution, emergency response, energy infrastructure, planning, megawatts, transmission, emergency response, transmission, peak demand, planning, megawatt hours, energy infrastructure, electric coordination, peak demand, peak demand, distribution, megawatts, distribution, peak demand, megawatts, homeland defense, distribution, homeland defense, name, homeland defense, megawatt hours, homeland security, megawatt hours, electric coordination, emergency response, transmission, homeland defense, homeland security, name, emergency response, energy infrastructure, name, name, planning, electric coordination, planning, emergency response, transmission, homeland defense, megawatts, homeland security, emergency response, transmission, peak demand, peak demand, transmission, name, emergency response, energy infrastructure, planning, energy infrastructure

Summary

This feature class/shapefile is for the Homeland Infrastructure Foundation Level Database (HIFLD) (<https://gii.dhs.gov/HIFLD>) as well as the Energy modelling and simulation community.

Description

This feature class/shapefile represents electric power planning areas. The area covered by those entities which are responsible for the coordination, integration, and long-term planning of transmission operations within their region, often comprised of the retail service territories of numerous electric power utilities. The following updates have been made since the previous release: 3 features removed, geometry and attribution updated using best available sources.

Credits

Oak Ridge National Laboratory (ORNL), Los Alamos National Laboratory (LANL), Idaho National

Use limitations

None (Public Use). Users are advised to read the data set's metadata thoroughly to understand appropriate use and data limitations.

Extent

West -158.280900 **East** -66.950130
North 61.484060 **South** 21.254750

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE planningCadastre, structure

* CONTENT TYPE Downloadable Data

OTHER KEYWORDS peak demand, homeland security, electric coordination, energy infrastructure, name, planning, megawatt hours, distribution, emergency response, megawatts, homeland defense, transmission

OTHER KEYWORDS electric coordination, energy infrastructure, homeland security, distribution, name, homeland defense, planning, megawatt hours, transmission, peak demand, emergency response, megawatts

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OTHER KEYWORDS name, transmission, energy infrastructure, homeland defense, planning, homeland security, electric coordination, megawatt hours, emergency response, peak demand, distribution, megawatts

OTHER KEYWORDS transmission, distribution, megawatts, energy infrastructure, peak demand, planning, homeland defense, megawatt hours, homeland security, name, electric coordination, emergency response

OTHER KEYWORDS megawatt hours, distribution, homeland security, megawatts, homeland defense, energy infrastructure, name, electric coordination, emergency response, planning, transmission,

peak demand

OTHER KEYWORDS megawatts, distribution, planning, megawatt hours, homeland defense, name, homeland security, electric coordination, peak demand, transmission, energy infrastructure, emergency response

OTHER KEYWORDS peak demand, emergency response, planning, megawatt hours, megawatts, electric coordination, distribution, name, homeland defense, homeland security, energy infrastructure, transmission

OTHER KEYWORDS peak demand, megawatt hours, homeland security, electric coordination, distribution, megawatts, energy infrastructure, homeland defense, emergency response, transmission, name, planning

OTHER KEYWORDS homeland defense, megawatt hours, planning, emergency response, name, electric coordination, energy infrastructure, megawatts, transmission, distribution, homeland security, peak demand

Citation

TITLE Electric Planning Areas

PRESENTATION FORMATS digital map

Resource Details

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

Oak Ridge National Laboratory (ORNL), Los Alamos National Laboratory (LANL), Idaho National Laboratory (INL), National Geospatial-Intelligence Agency (NGA) Homeland Security Infrastructure Program (HSIP) Team

ARCGIS ITEM PROPERTIES

* NAME

* LOCATION

* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -158.2809

EAST LONGITUDE -66.95013

SOUTH LATITUDE 21.25475

NORTH LATITUDE 61.48406

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -158.280900

* EAST LONGITUDE -66.950130

- * NORTH LATITUDE 61.484060
- * SOUTH LATITUDE 21.254750
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -17619749.190300
- * EAST LONGITUDE -7452854.380100
- * SOUTH LATITUDE 2422280.855600
- * NORTH LATITUDE 8737827.641200
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

None (Public Use). Users are advised to read the data set's metadata thoroughly to understand appropriate use and data limitations.

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 -22041257.77387803
Y ORIGIN -30241100
XY SCALE 144148035.89861274
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 4326

- * 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 electric_planning_area_hifld
* OBJECT TYPE composite

* OBJECT COUNT 94

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME electric_planning_area_hifld

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 94
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT electric_planning_area_hifld

- * TYPE Feature Class
- * ROW COUNT 94

FIELD OBJECTID_1

- * ALIAS OBJECTID_1
- * 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 OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD ID

- * ALIAS ID
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD NAME

- * ALIAS Name
- * DATA TYPE String
- * WIDTH 62
- * PRECISION 0
- * SCALE 0

FIELD COUNTRY

- * ALIAS Country
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

FIELD NAICS_CODE

- * ALIAS NAICS Code
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD NAICS_DESC

- * ALIAS NAICS Description
- * DATA TYPE String
- * WIDTH 56
- * PRECISION 0
- * SCALE 0

FIELD SOURCE

- * ALIAS Source
- * DATA TYPE String
- * WIDTH 156
- * PRECISION 0
- * SCALE 0

FIELD SOURCEDATE

- * ALIAS Source Date
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD VAL_METHOD

- * ALIAS VAL_METHOD
- * DATA TYPE String

- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD VAL_DATE

- * ALIAS VAL_DATE
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD WEBSITE

- * ALIAS Website
- * DATA TYPE String
- * WIDTH 145
- * PRECISION 0
- * SCALE 0

FIELD ABBRV

- * ALIAS Name Abbreviation
- * DATA TYPE String
- * WIDTH 13
- * PRECISION 0
- * SCALE 0

FIELD YEAR

- * ALIAS Year
- * DATA TYPE String
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD PEAK_LOAD

- * ALIAS Peak Load
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD PEAK_RANGE

- * ALIAS Peak Range
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD SHAPE_Leng

- * ALIAS SHAPE_Leng
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

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.

Metadata Details

METADATA LANGUAGE English (UNITED STATES)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 1594152520373r41706598307574805

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2021-08-24

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 2021-08-24 08:28:39
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-08-24 12:52:05

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-08-24 12:49:20

Metadata Contacts

METADATA CONTACT
CONTACT'S ROLE point of contact