

Electrical Power Plant Capacity



Tags

eGRID2012, Electrical, Power Plant, Capacity, Electrical Power Plant Capacity, Utilities, U.S. Environmental Protection Agency, U.S. EPA

Summary

This layer displays electrical power plants in the United States.

Description

The layer representing electrical power plants was derived from the Environmental Protection Agency (EPA) Emissions & Generation Resource Integrated Database (eGRID). Argonne National Laboratory (ANL) was able to create a layer representing the location, capacity, and name of the power plants.

Credits

There are no credits for this item.

Use limitations

There are no access and use limitations for this item.

Extent

West -171.737500 **East** 0.000000
North 71.878611 **South** 0.000000

Scale Range

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

ArcGIS Metadata

Topics and Keywords

* CONTENT TYPE Downloadable Data

Citation

TITLE Electrical Power Plant Capacity
PRESENTATION FORMATS * digital map

Citation Contacts

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Katie Szoldatits
ORGANIZATION'S NAME Argonne National Laboratory
CONTACT'S POSITION Ecologist
CONTACT'S ROLE processor

CONTACT INFORMATION

PHONE

VOICE 630-252-1254

ADDRESS

TYPE

DELIVERY POINT 9700 South Cass Ave

CITY Argonne

ADMINISTRATIVE AREA IL

Resource Details

DATASET LANGUAGES * English (UNITED STATES)
SPATIAL REPRESENTATION TYPE * vector
* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322

Extents

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -171.737500
* EAST LONGITUDE 0.000000
* NORTH LATITUDE 71.878611
* SOUTH LATITUDE 0.000000
* EXTENT CONTAINS THE RESOURCE Yes
EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -19117731.050110
* EAST LONGITUDE 0.000000
* SOUTH LATITUDE 0.000000
* NORTH LATITUDE 11709597.670578
* EXTENT CONTAINS THE RESOURCE Yes

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 -22041545.367140558
Y ORIGIN -33272760.666300893
XY SCALE 135368852.55357128
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 8.2.6

Spatial Data Properties

VECTOR
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
GEOMETRIC OBJECTS
FEATURE CLASS NAME electrical_power_plant_capacity_v2
* OBJECT TYPE point
* OBJECT COUNT 7286
ARCGIS FEATURE CLASS PROPERTIES
FEATURE CLASS NAME electrical_power_plant_capacity_v2
* FEATURE TYPE Simple

- * GEOMETRY TYPE Point
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 7286
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT [electrical_power_plant_capacity_v2](#)

- * TYPE Feature Class
- * ROW COUNT 7286

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 Plant_stat

- * ALIAS Plant_stat
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Plant State Abbreviation
- * DESCRIPTION SOURCE
U.S. EPA

FIELD PNAME

- * ALIAS PNAME
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Plant Name
- * DESCRIPTION SOURCE
U.S. EPA

FIELD PCANAME

- * ALIAS PCANAME
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Power Control Area Name
- * DESCRIPTION SOURCE
U.S. EPA

FIELD CNTYNAME

- * ALIAS CNTYNAME
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION

County Name

DESCRIPTION SOURCE

U.S. EPA

FIELD LAT

* ALIAS LAT

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Latitude

DESCRIPTION SOURCE

U.S. EPA

FIELD LON

* ALIAS LON

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Longitude

DESCRIPTION SOURCE

U.S. EPA

FIELD NAMEPCAP

* ALIAS NAMEPCAP

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Plant Nameplate Capacity (MW)

DESCRIPTION SOURCE

U.S. EPA

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.

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 2016-12-12

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 2016-12-12 09:36:03

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-12-12 10:36:59

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2016-12-12 10:29:32