

Commercial Nuclear Power Plant



Tags

There are no tags for this item.

Summary

This dataset represents nuclear power plants from the U.S. EPA Emissions & Generation Resource Integrated Database (eGRID2012).

Description

This dataset represents nuclear power plants from the U.S. EPA Emissions & Generation Resource Integrated Database (eGRID2012).

Credits

U.S. EPA

Use limitations

There are no access and use limitations for this item.

Extent

West -120.855500 **East** -70.578000
North 46.471100 **South** 25.435600

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 Commercial Nuclear Power Plant
PRESENTATION FORMATS * digital map

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
CREDITS
U.S. EPA

Extents

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -120.855500
* EAST LONGITUDE -70.578000
* NORTH LATITUDE 46.471100
* SOUTH LATITUDE 25.435600
* EXTENT CONTAINS THE RESOURCE Yes
EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE -13453572.719566
* EAST LONGITUDE -7856707.021208
* SOUTH LATITUDE 2929343.851838
* NORTH LATITUDE 5856167.414248

* 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 nuclear_power_plant_site_unique_v2

* OBJECT TYPE point

* OBJECT COUNT 106

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME nuclear_power_plant_site_unique_v2

* FEATURE TYPE Simple

* GEOMETRY TYPE Point

* HAS TOPOLOGY FALSE

* FEATURE COUNT 106

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT nuclear_power_plant_site_unique_v2

* TYPE Feature Class

* ROW COUNT 106

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 State

* 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 ORISPL
* ALIAS ORISPL
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
DOE/EIA ORIS plant or facility code
DESCRIPTION SOURCE
U.S. EPA

FIELD OPRNAME
* ALIAS OPRNAME
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Plant operator name
DESCRIPTION SOURCE
U.S. EPA

FIELD UTLSRVNM
* ALIAS UTLSRVNM
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Utility service territory name
DESCRIPTION SOURCE
U.S. EPA

FIELD NERC
* ALIAS NERC
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
NERC region acronym
DESCRIPTION SOURCE
U.S. EPA

FIELD SUBRGN
* ALIAS SUBRGN
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
eGRID subregion acronym
DESCRIPTION SOURCE
U.S. EPA

FIELD CNTYNAME

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

FIELD DESCRIPTION

Plant county name

DESCRIPTION SOURCE

U.S. EPA

FIELD NUMBLR

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

FIELD DESCRIPTION

Number of boilers

DESCRIPTION SOURCE

U.S. EPA

FIELD NUMGEN

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

FIELD DESCRIPTION

Number of generators

DESCRIPTION SOURCE

U.S. EPA

FIELD COMBUST

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

FIELD DESCRIPTION

Plant combustion status: 1 = Combusts, 0 = No combustion, 0.5 = Partial combustion

DESCRIPTION SOURCE

U.S. EPA

FIELD PLPRMFL

- * ALIAS PLPRMFL
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Plant primary fuel

DESCRIPTION SOURCE

U.S. EPA

FIELD PLFUELCT

- * ALIAS PLFUELCT
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Plant primary coal/oil/gas/other fossil fuel category

DESCRIPTION SOURCE

U.S. EPA

FIELD PLPFGNCT

- * ALIAS PLPFGNCT
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Plant primary fuel generation category

DESCRIPTION SOURCE
U.S. EPA

FIELD CAPFAC

* ALIAS CAPFAC
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Plant capacity factor

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 2016-12-05 08:35:01
LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-12-12 10:47:15
AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2016-12-12 10:44:48