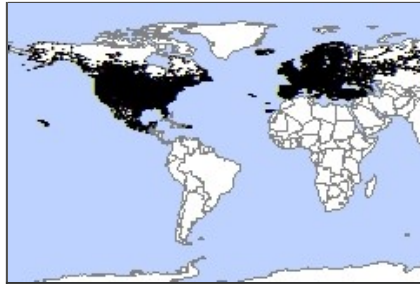


Elec_Substations

Shapefile



Tags

substations, electric grid, electric generation, transmission and distribution system, transformer, voltage

Summary

The S&P Global Platts Substation geospatial data layer was created to show the location of electric substations in North America and Europe. When used in association with the Power Plants and Electric Transmission Lines geospatial data layers, viewers can analyze the geographic relationships within the electric transmission grid across utilities, states, and countries.

Description

The S&P Global Platts Substations geospatial layer contains point features representing electrical substations in North America and Europe.

Credits

Data is property of S&P Global Platts, a division of S&P Global. Data is not to be distributed without express, written consent of S&P Global Platts.

Use limitations

Access is limited to the users identified in the Master Service Agreement (MSA) with S&P Global Platts.

Extent

West	-171.742515	East	-52.686713
North	71.287583	South	14.548406

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE Elec_Substations

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

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 10.3.1.4959

CREDITS

Data is property of S&P Global Platts, a division of S&P Global. Data is not to be distributed without express, written consent of S&P Global Platts.

ARCGIS ITEM PROPERTIES

* NAME Elec_Substations

* SIZE 2.312

* LOCATION file://\co07fil601

\GIS\Builds\Quarterly_Releases\data_2016_q2_NA\Elec_Substations.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -171.742515

* EAST LONGITUDE -52.686713

* NORTH LATITUDE 71.287583

* SOUTH LATITUDE 14.548406

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -171.742515

* EAST LONGITUDE -52.686713

* SOUTH LATITUDE 14.548406

* NORTH LATITUDE 71.287583

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Access is limited to the users identified in the Master Service Agreement (MSA) with S&P Global Platts.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Geographic
- * GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
- * COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4326
 X ORIGIN -400
 Y ORIGIN -400
 XY SCALE 11258999068426.238
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 8.983152841195215e-009
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true
 LEFT LONGITUDE -180
 LATEST WELL-KNOWN IDENTIFIER 4326
 WELL-KNOWN TEXT GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
 ["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433],AUTHORITY["EPSG",4326]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 4326
- * CODESPACE EPSG
- * VERSION 8.6.2

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME Elec_Substations
 * OBJECT TYPE point
 * OBJECT COUNT 86586

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Elec_Substations
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Point
 * HAS TOPOLOGY FALSE

- * FEATURE COUNT 86586
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTION FORMAT

- * NAME Shapefile

TRANSFER OPTIONS

- * TRANSFER SIZE 2.312

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT Elec_Substations ►

- * TYPE Feature Class
- * ROW COUNT 86586

FIELD FID ►

- * ALIAS FID
- * 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.

[Hide Field FID ▲](#)

FIELD CHAR_ID ►

- * ALIAS CHAR_ID
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
S&P Global Platts assigned substation unique identifier

[Hide Field CHAR_ID ▲](#)

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.

Hide Field Shape ▲

FIELD COMP_NAME ►

- * ALIAS COMP_NAME
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Owning company name

Hide Field COMP_NAME ▲

FIELD COMP_ID ►

- * ALIAS COMP_ID
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 18
- * SCALE 8
- * FIELD DESCRIPTION
S&P Global Platts assigned owning company unique identifier

Hide Field COMP_ID ▲

FIELD MAX_KV ►

- * ALIAS MAX_KV
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 18
- * SCALE 8
- * FIELD DESCRIPTION
Voltage of the largest transmission line connected to the substation in kilovolts (kV)

Hide Field MAX_KV ▲

FIELD CIRCUITS ►

- * ALIAS CIRCUITS
- * DATA TYPE Integer
- * WIDTH 10

* PRECISION 10

* SCALE 0

FIELD DESCRIPTION

Total number of transmission line circuits that connect with the substation

Hide Field CIRCUITS ▲

FIELD POS_REL ►

* ALIAS POS_REL

* DATA TYPE String

* WIDTH 100

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Positional reliability rating

LIST OF VALUES

VALUE Not verified to be within 1 mile

DESCRIPTION Not verified to be within 1 mile

VALUE Within 1 mile

DESCRIPTION Within 1 mile

VALUE Within 165 feet

DESCRIPTION Within 165 feet

VALUE Within 40 feet

DESCRIPTION Within 40 feet

Hide Field POS_REL ▲

FIELD SUB_ID_NO ►

* ALIAS SUB_ID_NO

* DATA TYPE Double

* WIDTH 19

* PRECISION 18

* SCALE 8

FIELD DESCRIPTION

Alternate S&P Global Platts assigned substation unique identifier

Hide Field SUB_ID_NO ▲

FIELD SUB_NAME ►

* ALIAS SUB_NAME

* DATA TYPE String

* WIDTH 50

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Name of substation facility

Hide Field SUB_NAME ▲

FIELD STATUS ►

* ALIAS STATUS

* DATA TYPE String

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Operational status

LIST OF VALUES

VALUE AD

DESCRIPTION Advanced Development

VALUE CN

DESCRIPTION Cancelled

VALUE CO

DESCRIPTION Under Constuction

VALUE ED

DESCRIPTION Early Development

VALUE OP

DESCRIPTION Operating

Hide Field STATUS ▲

FIELD DOMAIN ►

* ALIAS DOMAIN

* DATA TYPE String

* WIDTH 20

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

North America or Europe coverage

Hide Field DOMAIN ▲

FIELD COUNTRY ►

* ALIAS COUNTRY

* DATA TYPE String

* WIDTH 80

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Country where substation is located

Hide Field COUNTRY ▲

Hide Details for object Elec_Substations ▲

Hide Fields ▲

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)

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

* LAST UPDATE 2016-08-24

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA ItemDescription

CREATED IN ARCGIS FOR THE ITEM 2015-08-19 11:00:33

LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-08-24 15:17:15

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2016-06-30 13:17:54

Hide Metadata Details ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼