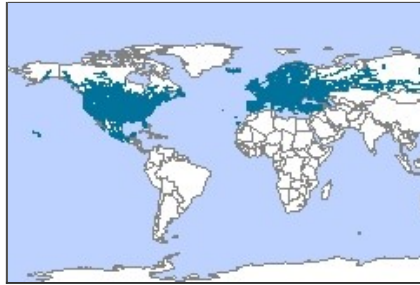


Elec_Transmission_Lines

Shapefile



Tags

North America, Europe, transmission lines, electric grid, transmission and distribution system, voltage

Summary

The S&P Global Platts Transmission Line geospatial layer was created to show the electric transmission grid for North America and Europe. When used in association with the Power Plants and Substations 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 Transmission Line geospatial layer contains line features representing the electric transmission line grid of North America and Europe. Key attributes include voltage (kV), operational status, operator name, project names, line names and more.

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	-159.779285	East	-52.686713
North	64.856079	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_Transmission_Lines

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_Transmission_Lines

* SIZE 107.352

* LOCATION file://\co07fil601

\GIS\Builds\Quarterly_Releases\data_2016_q2_NA\Elec_Transmission_Lines.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -159.779285

* EAST LONGITUDE -52.686713

* NORTH LATITUDE 64.856079

* SOUTH LATITUDE 14.548406

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -159.779285

* EAST LONGITUDE -52.686713

* SOUTH LATITUDE 14.548406

* NORTH LATITUDE 64.856079

* 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_Transmission_Lines
 * OBJECT TYPE composite
 * OBJECT COUNT 109413

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Elec_Transmission_Lines
 * FEATURE TYPE Simple
 * GEOMETRY TYPE Polyline
 * HAS TOPOLOGY FALSE

- * FEATURE COUNT 109413
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTION FORMAT

- * NAME Shapefile

TRANSFER OPTIONS

- * TRANSFER SIZE 107.352

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT Elec_Transmission_Lines ►

- * TYPE Feature Class
- * ROW COUNT 109413

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 TRANSLN_ID ►

- * ALIAS TRANSLN_ID
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 18
- * SCALE 8
- * FIELD DESCRIPTION
S&P Global Platts assigned transmission line unique identifier

[Hide Field TRANSLN_ID ▲](#)

FIELD PROJ_NAME ►

* ALIAS PROJ_NAME
* DATA TYPE String
* WIDTH 75
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Transmission line project name

Hide Field PROJ_NAME ▲

FIELD ORIG_SUBID ►
* ALIAS ORIG_SUBID
* DATA TYPE Double
* WIDTH 19
* PRECISION 18
* SCALE 8
FIELD DESCRIPTION
S&P Global Platts assigned from substation unique identifier

Hide Field ORIG_SUBID ▲

FIELD ORIG_SUB ►
* ALIAS ORIG_SUB
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
From sustation name

Hide Field ORIG_SUB ▲

FIELD DEST_SUBID ►
* ALIAS DEST_SUBID
* DATA TYPE Double
* WIDTH 19
* PRECISION 18
* SCALE 8
FIELD DESCRIPTION
S&P Global Platts assigned to substation unique identifier

Hide Field DEST_SUBID ▲

FIELD DEST_SUB ►
* ALIAS DEST_SUB
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
To substation name

Hide Field DEST_SUB ▲

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 **COMP_CHAR1** ▶

- * ALIAS COMP_CHAR1
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Alternative S&P Global Platts assigned owning company unique identifier

Hide Field COMP_CHAR1 ▲

FIELD **COMPANY** ▶

- * ALIAS COMPANY
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Owning company name

Hide Field COMPANY ▲

FIELD **COMP_ABBRV** ▶

- * ALIAS COMP_ABBRV
- * DATA TYPE String
- * WIDTH 7
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Owning company name abbreviation

Hide Field COMP_ABBRV ▲

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 Construction (Europe)

VALUE ED

DESCRIPTION Early Development

VALUE OP

DESCRIPTION Operating

VALUE PL

DESCRIPTION Planned

VALUE PR

DESCRIPTION Proposed

VALUE RE

DESCRIPTION Retired

VALUE UC

DESCRIPTION Under Construction

Hide Field STATUS ▲

FIELD **INSVC_DATE** ►

* ALIAS INSVC_DATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Date that transmission line began service

Hide Field INSVC_DATE ▲

FIELD **VOLTAGE** ►

* ALIAS VOLTAGE

* DATA TYPE Double

* WIDTH 19

* PRECISION 18

* SCALE 8

FIELD DESCRIPTION

Rated voltage in kilovolts (kV)

Hide Field VOLTAGE ▲

FIELD **CIRCUITS** ►

* ALIAS CIRCUITS

* DATA TYPE Double

* WIDTH 19

* PRECISION 18

* SCALE 8

FIELD DESCRIPTION

Number of circuits represented by a line segment

[Hide Field CIRCUITS ▲](#)

FIELD TYPE ►

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

FIELD DESCRIPTION

Type of transmission line (overhead, underground, underwater or overhead and underground)

LIST OF VALUES

- | | |
|-------------|------------------------|
| VALUE | OH |
| DESCRIPTION | Overhead |
| VALUE | OH/UG |
| DESCRIPTION | Overhead/Underground |
| VALUE | OH/UW |
| DESCRIPTION | Overhead/Underwater |
| VALUE | PH |
| DESCRIPTION | |
| VALUE | UG |
| DESCRIPTION | Underground |
| VALUE | UG/UW |
| DESCRIPTION | Underground/Underwater |
| VALUE | UW |
| DESCRIPTION | Underwater |

[Hide Field TYPE ▲](#)

FIELD AC_DC ►

- * ALIAS AC_DC
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Alternating Current or Direct Current

LIST OF VALUES

- | | |
|-------------|---------------------|
| VALUE | AC |
| DESCRIPTION | Alternating Current |
| VALUE | DC |
| DESCRIPTION | Direct Current |

[Hide Field AC_DC ▲](#)

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 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 CLR_CODE ►

- * ALIAS CLR_CODE
- * DATA TYPE SmallInteger
- * WIDTH 5
- * PRECISION 5
- * SCALE 0

FIELD DESCRIPTION

Color code for thematic symbolization purposes

Hide Field CLR_CODE ▲

FIELD DOMAIN ►

- * ALIAS DOMAIN

* DATA TYPE String
 * WIDTH 20
 * PRECISION 0
 * SCALE 0
 FIELD DESCRIPTION
 North America or Europe coverage

[Hide Field DOMAIN ▲](#)

FIELD len ►
 * ALIAS len
 * DATA TYPE Double
 * WIDTH 19
 * PRECISION 0
 * SCALE 0

[Hide Field len ▲](#)

[Hide Details for object Elec_Transmission_Lines ▲](#)

[Hide Fields ▲](#)

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 2016-08-24

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 10:58:41
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2016-08-24 15:17:46

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
 LAST UPDATE 2016-06-30 13:19:12

[Hide Metadata Details ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL
 THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼