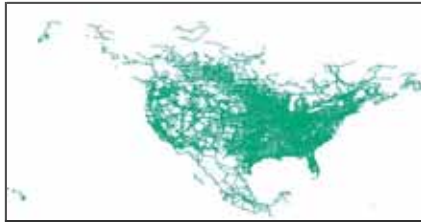


# North American Transmission Lines

File Geodatabase Feature Class



## Tags

North American Electric Transmission Lines, Electric Power Grid, Transmission Line Layer

## Summary

The purpose of the North American Transmission Line layer is to provide geospatial and related attribute information for global energy markets.

## Description

Geographic line features representing the electric transmission line grid of North America. Key attributes include voltage (kV), operational status, operator name, project names, line names and more.

## Credits

Data is property of Platts, a division of McGraw Hill Financial, Inc. Data is not to be distributed without express, written consent of Platts.

## Use limitations

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

## Extent

**West** -159.779297    **East** -52.686707  
**North** 64.856079    **South** 14.548523

## Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:50,000,000

## ArcGIS Metadata ►

### Topics and Keywords ►

\* CONTENT TYPE Downloadable Data

*Hide Topics and Keywords ▲*

### Citation ►

TITLE North American 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 10.2.2.3552

### CREDITS

Data is property of Platts, a division of McGraw Hill Financial, Inc. Data is not to be distributed without express, written consent of Platts.

### ARCGIS ITEM PROPERTIES

\* NAME Elec\_Transmission\_Lines

\* LOCATION file:///\\CO07-DCVRTZ1\C\$\Users\claudie\_frank\Documents\Temp\Prod\_Copy.gdb

\* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

## Extents ►

### EXTENT

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -159.779297

\* EAST LONGITUDE -52.686707

\* NORTH LATITUDE 64.856079

\* SOUTH LATITUDE 14.548523

\* EXTENT CONTAINS THE RESOURCE Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE -159.779297

\* EAST LONGITUDE -52.686707

\* SOUTH LATITUDE 14.548523

\* 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 Platts.

[Hide Resource Constraints ▲](#)

## Spatial Reference ►

### ARC GIS 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 999999999.99999988
  - 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 8.2.6

*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 108034

*Hide Vector ▲*

### ARC GIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Elec\_Transmission\_Lines

- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polyline
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 108034
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

*Hide ArcGIS Feature Class Properties ▲*

*Hide Spatial Data Properties ▲*

## Geoprocessing history ►

### PROCESS

#### PROCESS NAME

DATE 2015-02-04 09:38:47

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

#### COMMAND ISSUED

Cal cul ateFi el d trans\_l n\_020215\_pol y l i ne COMP\_NAME "Ameren Transmi ssi on Company"  
VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

#### PROCESS NAME

DATE 2015-02-04 09:39:17

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

#### COMMAND ISSUED

Cal cul ateFi el d trans\_l n\_020215\_pol y l i ne COMP\_ID "3400859820" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

#### PROCESS NAME

DATE 2015-02-04 09:39:46

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

#### COMMAND ISSUED

Cal cul ateFi el d trans\_l n\_020215\_pol y l i ne COMNO "AA982" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

#### PROCESS NAME

DATE 2015-02-04 09:40:03

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

#### COMMAND ISSUED

Cal cul ateFi el d trans\_l n\_020215\_pol y l i ne COMP\_ABBRV "ATX" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

### PROCESS

#### PROCESS NAME

DATE 2015-04-21 11:30:21

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.2\ArcToolbox\Toolboxes\Data Management Tools.tbx\CopyFeatures

#### COMMAND ISSUED

CopyFeatures GPL0

M:\MapData\Master\_Layers\Prod\_Copy.gdb\EI ec\_Transmi ssi on\_Li nes # 0 0 0

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

*Hide Geoprocessing history ▲*

## Distribution ►

### DISTRIBUTION FORMAT

\* NAME File Geodatabase Feature Class

*Hide Distribution ▲*

## Fields ▶

### DETAILS FOR OBJECT Elec\_Transmission\_Lines ▶

TYPE Feature Class

ROW COUNT 108034

#### 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 OBJECTID ▶

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.

*Hide Field OBJECTID ▲*

#### FIELD TRANSLN\_ID ▶

ALIAS TRANSLN\_ID

DATA TYPE Double

WIDTH 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Unique identifier

*Hide Field TRANSLN\_ID ▲*

FIELD SEGMENT\_DT ►

ALIAS SEGMENT\_DT

DATA TYPE String

WIDTH 75

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Transmission line segment description

*Hide Field SEGMENT\_DT ▲*

FIELD PROJ\_NAME ►

ALIAS PROJ\_NAME

DATA TYPE String

WIDTH 75

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Name of specific transmission project

*Hide Field PROJ\_NAME ▲*

FIELD FROM\_SUB\_I ►

ALIAS FROM\_SUB\_I

DATA TYPE Double

WIDTH 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Origin substation unique identifier

*Hide Field FROM\_SUB\_I ▲*

FIELD FROM\_SUB ►

ALIAS FROM\_SUB

DATA TYPE String

WIDTH 50

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Origin substation name

*Hide Field FROM\_SUB ▲*

FIELD TO\_SUB\_ID ►

ALIAS TO\_SUB\_ID

DATA TYPE Double

WIDTH 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Destination substation unique identifier

*Hide Field TO\_SUB\_ID ▲*

FIELD TO\_SUB ►

ALIAS TO\_SUB

DATA TYPE String

WIDTH 50

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Destination substation name

*Hide Field TO\_SUB ▲*

FIELD COMNO ►

ALIAS COMNO

DATA TYPE String

WIDTH 5

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Alternate unique identifier

*Hide Field COMNO ▲*

FIELD COMP\_ID ►

ALIAS COMP\_ID

DATA TYPE Double

WIDTH 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Transmission company unique identifier

*Hide Field COMP\_ID ▲*

FIELD COMP\_NAME ►

ALIAS COMP\_NAME

DATA TYPE String

WIDTH 50

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Primary owner name

*Hide Field COMP\_NAME ▲*

FIELD COMP\_ABBRV ►

ALIAS COMP\_ABBRV

DATA TYPE String

WIDTH 7

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Primary owner name shortened for labeling purposes

*Hide Field COMP\_ABBRV ▲*

FIELD PROPOSED ►

ALIAS PROPOSED

DATA TYPE String

WIDTH 1

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Flag marking proposed transmission lines

*Hide Field PROPOSED ▲*

FIELD STATUS ►

ALIAS STATUS

DATA TYPE String

WIDTH 2

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Description of transmission line operating status

*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 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Rated voltage

*Hide Field VOLTAGE ▲*

FIELD CIRCUITS ►

ALIAS CIRCUITS

DATA TYPE Double

WIDTH 8

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Number of circuits a line segment represents



[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)

[Hide Field TYPE ▲](#)

FIELD AC\_DC ►

ALIAS AC\_DC

DATA TYPE String

WIDTH 2

PRECISION 0

SCALE 0

FIELD DESCRIPTION

AC/DC

[Hide Field AC\\_DC ▲](#)

FIELD POS\_REL ►

ALIAS POS\_REL

DATA TYPE String

WIDTH 100

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Positional reliability rating

[Hide Field POS\\_REL ▲](#)

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.

[Hide Field Shape\\_Length ▲](#)

[Hide Details for object Elec\\_Transmission\\_Lines ▲](#)

[Hide Fields ▲](#)

## Metadata Details ►

\* METADATA LANGUAGE English (UNITED STATES)

SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2015-05-27

### ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-02-05 17:05:00

LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-05-27 14:28:20

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2015-05-27 14:28:02

[Hide Metadata Details ▲](#)

## Thumbnail and Enclosures ►

### THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

## FGDC Metadata (read-only) ►

### Identification ►

#### CITATION

##### CITATION INFORMATION

ORIGINATOR Platts, a division of McGraw Hill Financial, Inc.

PUBLICATION DATE 05/15/2015

PUBLICATION TIME 09:00

##### TITLE

North American Transmission Lines

GEOSPATIAL DATA PRESENTATION FORM vector digital data

##### PUBLICATION INFORMATION

PUBLICATION PLACE Denver, CO

PUBLISHER Platts, a division of McGraw Hill Financial, Inc.

ONLINE LINKAGE <http://www.platts.com/maps-geospatial>

ONLINE LINKAGE <http://www.maps.platts.com>

#### DESCRIPTION

SPATIAL DOMAIN

#### BOUNDING COORDINATES

WEST BOUNDING COORDINATE -159.779296875  
EAST BOUNDING COORDINATE -52.686706543  
NORTH BOUNDING COORDINATE 64.8560791020001  
SOUTH BOUNDING COORDINATE 14.5485229490001

#### ACCESS CONSTRAINTS

Access is limited to the users identified in Master Service Agreement with Platts.

#### POINT OF CONTACT

##### CONTACT INFORMATION

##### CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Platts, a division of McGraw Hill Financial, Inc.

CONTACT PERSON Geospatial Manager

CONTACT POSITION Platts Geospatial Team, Denver CO, USA

##### CONTACT ADDRESS

ADDRESS TYPE Street Address

ADDRESS 1800 Larimer Street, Suite 2000

CITY Denver

STATE OR PROVINCE CO

POSTAL CODE 80202

COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 1-800-PLATTS-8

CONTACT ELECTRONIC MAIL ADDRESS maps@platts.com

CONTACT ELECTRONIC MAIL ADDRESS maps@bentekenergy.com

HOURS OF SERVICE 8am-4pm

##### CONTACT INSTRUCTIONS

Email us at maps@platts.com.

#### NATIVE DATA SET ENVIRONMENT

Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.0.3348

*Hide Identification* ▲

## Data Quality ►

#### POSITIONAL ACCURACY

##### HORIZONTAL POSITIONAL ACCURACY

##### HORIZONTAL POSITIONAL ACCURACY REPORT

Accuracy varies. See POS\_REL (positional reliability) attribute for details.

*Hide Data Quality* ▲

## Spatial Reference ►

#### HORIZONTAL COORDINATE SYSTEM DEFINITION

##### GEODETTIC MODEL

HORIZONTAL DATUM NAME D\_WGS\_1984

ELLIPSOID NAME WGS\_1984

SEMI-MAJOR AXIS 6378137

*Hide Spatial Reference* ▲

## Entities and Attributes ►

#### DETAILED DESCRIPTION

##### ENTITY TYPE

ENTITY TYPE LABEL Elec\_Transmission\_Lines

ATTRIBUTE  
ATTRIBUTE LABEL Shape  
ATTRIBUTE DEFINITION  
Feature geometry.  
ATTRIBUTE DEFINITION SOURCE Esri  
ATTRIBUTE DOMAIN VALUES  
UNREPRESENTABLE DOMAIN  
Coordinates defining the features.

ATTRIBUTE  
ATTRIBUTE LABEL OBJECTID  
ATTRIBUTE DEFINITION  
Internal feature number.  
ATTRIBUTE DEFINITION SOURCE Esri  
ATTRIBUTE DOMAIN VALUES  
UNREPRESENTABLE DOMAIN  
Sequential unique whole numbers that are automatically generated.

ATTRIBUTE  
ATTRIBUTE LABEL TRANSLN\_ID  
ATTRIBUTE DEFINITION  
Unique identifier

ATTRIBUTE  
ATTRIBUTE LABEL SEGMENT\_DT  
ATTRIBUTE DEFINITION  
Transmission line segment description

ATTRIBUTE  
ATTRIBUTE LABEL PROJ\_NAME  
ATTRIBUTE DEFINITION  
Name of specific transmission project

ATTRIBUTE  
ATTRIBUTE LABEL FROM\_SUB\_I  
ATTRIBUTE DEFINITION  
Origin substation unique identifier

ATTRIBUTE  
ATTRIBUTE LABEL FROM\_SUB  
ATTRIBUTE DEFINITION  
Origin substation name

ATTRIBUTE  
ATTRIBUTE LABEL TO\_SUB\_ID  
ATTRIBUTE DEFINITION  
Destination substation unique identifier

ATTRIBUTE  
ATTRIBUTE LABEL TO\_SUB  
ATTRIBUTE DEFINITION  
Destination substation name

ATTRIBUTE  
ATTRIBUTE LABEL COMNO  
ATTRIBUTE DEFINITION  
Alternate unique identifier

ATTRIBUTE  
ATTRIBUTE LABEL COMP\_ID  
ATTRIBUTE DEFINITION  
Transmission company unique identifier

ATTRIBUTE  
ATTRIBUTE LABEL COMP\_NAME  
ATTRIBUTE DEFINITION  
Primary owner name

ATTRIBUTE  
ATTRIBUTE LABEL COMP\_ABBRV  
ATTRIBUTE DEFINITION  
Primary owner name shortened for labeling purposes

ATTRIBUTE  
ATTRIBUTE LABEL PROPOSED  
ATTRIBUTE DEFINITION  
Flag marking proposed transmission lines

ATTRIBUTE  
ATTRIBUTE LABEL STATUS  
ATTRIBUTE DEFINITION  
Description of transmission line operating status

ATTRIBUTE  
ATTRIBUTE LABEL IN SVC\_DATE  
ATTRIBUTE DEFINITION  
Date that transmission line began service

ATTRIBUTE  
ATTRIBUTE LABEL VOLTAGE  
ATTRIBUTE DEFINITION  
Rated voltage

ATTRIBUTE  
ATTRIBUTE LABEL CIRCUITS  
ATTRIBUTE DEFINITION  
Number of circuits a line segment represents

ATTRIBUTE  
ATTRIBUTE LABEL TYPE  
ATTRIBUTE DEFINITION  
Type of transmission line (overhead, underground, underwater or overhead and underground)

ATTRIBUTE  
ATTRIBUTE LABEL AC\_DC  
ATTRIBUTE DEFINITION  
AC/DC

ATTRIBUTE  
ATTRIBUTE LABEL POS\_REL  
ATTRIBUTE DEFINITION  
Positional reliability rating

ATTRIBUTE

ATTRIBUTE LABEL Shape\_Length

ATTRIBUTE DEFINITION

Length of feature in internal units.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Positive real numbers that are automatically generated.

*Hide Entities and Attributes ▲*

## Distribution Information ►

DISTRIBUTION LIABILITY

Platts is not liable for decisions based on this data. Customer assumes liability and is encouraged to seek multiple sources.

*Hide Distribution Information ▲*

## Metadata Reference ►

METADATA DATE 2015-04-28

*Hide Metadata Reference ▲*