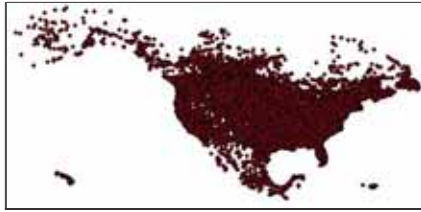


# Substations

File Geodatabase Feature Class



## Tags

Substations, Electric grid, electric generation, transmission and distribution system, transform voltage

## Summary

The substation layer reflects the geospatial location and relationship of substations to generation, transmission and distribution of power measured in voltage

## Description

Point features for electrical substations

## 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** -171.742493    **East** -52.686707  
**North** 71.287720    **South** 14.548523

## Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:500,000

## ArcGIS Metadata ►

### Topics and Keywords ►

\* CONTENT TYPE Downloadable Data

*Hide Topics and Keywords ▲*

### Citation ►

TITLE 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 10.2.2.3552

### 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\_Substations

\* SIZE 2.299

\* LOCATION file:///\\CO07-DCVRTZ1\C\$\Users\claud\_e\_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 -171.742493

\* EAST LONGITUDE -52.686707

\* NORTH LATITUDE 71.287720

\* SOUTH LATITUDE 14.548523

\* EXTENT CONTAINS THE RESOURCE Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE -171.742493

\* EAST LONGITUDE -52.686707

\* SOUTH LATITUDE 14.548523

\* NORTH LATITUDE 71.287720

\* 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 0
    - Z SCALE 1
    - M ORIGIN 0
    - M SCALE 1
    - 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\_Substations

- \* OBJECT TYPE point
- \* OBJECT COUNT 86106

*Hide Vector ▲*

### ARC GIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME Elec\_Substations

- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Point
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 86106
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

*Hide ArcGIS Feature Class Properties ▲*

*Hide Spatial Data Properties ▲*

## Distribution ►

### DISTRIBUTION FORMAT

\* NAME File Geodatabase Feature Class

### TRANSFER OPTIONS

\* TRANSFER SIZE 2.299

*Hide Distribution ▲*

## Fields ►

### DETAILS FOR OBJECT Elec\_Substations ►

TYPE Feature Class

ROW COUNT 86106

### FIELD OBJECTID ►

ALIAS OBJECTID

DATA TYPE OID

WIDTH 4

PRECISION 10

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 Shape ►

ALIAS Shape

DATA TYPE Geometry

WIDTH 4

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

Esri

DESCRIPTION OF VALUES

Coordinates defining the features.

*Hide Field Shape ▲*

### FIELD SUB\_ID ►

ALIAS Platts Substation Oracle ID  
DATA TYPE Double  
WIDTH 8  
PRECISION 38  
SCALE 8  
FIELD DESCRIPTION  
Substation unique identifier

*Hide Field SUB\_ID ▲*

FIELD SUB\_NAME ►

ALIAS Substation Name  
DATA TYPE String  
WIDTH 60  
PRECISION 0  
SCALE 0  
FIELD DESCRIPTION  
Name of substation

*Hide Field SUB\_NAME ▲*

FIELD COMP\_ID ►

ALIAS Platts Company Oracle ID  
DATA TYPE Double  
WIDTH 8  
PRECISION 38  
SCALE 8  
FIELD DESCRIPTION  
Owning company unique identifier

*Hide Field COMP\_ID ▲*

FIELD COMP\_NAME ►

ALIAS Company Name  
DATA TYPE String  
WIDTH 60  
PRECISION 0  
SCALE 0  
FIELD DESCRIPTION  
Owning company name

*Hide Field COMP\_NAME ▲*

FIELD MAX\_VOLT ►

ALIAS Maximum Voltage (kV)  
DATA TYPE Double  
WIDTH 8  
PRECISION 38  
SCALE 8  
FIELD DESCRIPTION  
Voltage of the largest transmission line connected to the substation

*Hide Field MAX\_VOLT ▲*

FIELD CIRCUITS ►

ALIAS Number of Circuits

DATA TYPE SmallInteger

WIDTH 2

PRECISION 5

SCALE 0

FIELD DESCRIPTION

Total number of transmission line circuits that connect with the substation

[Hide Field CIRCUITS ▲](#)

FIELD POS\_REL ►

ALIAS Positional Reliability

DATA TYPE String

WIDTH 40

PRECISION 0

SCALE 0

FIELD DESCRIPTION

Positional reliability rating

[Hide Field POS\\_REL ▲](#)

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

[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 2015-05-27

### 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 2015-05-12 11:06:22

LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-05-27 14:27:55

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2015-05-27 14:27:39

### ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2014-12-15 11:54:54

FROM J:\Temp\Claude\Proposed transmission lines\_101414\substatn

To \\CO02FIL001\GIS\Builds\ESRI\_Shape\substatn

[Hide Metadata Details ▲](#)

## Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE    JPG

*Hide Thumbnail and Enclosures ▲*

## FGDC Metadata (read-only) ▼