

Electric Transmission Lines

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

Citation_Information:

Originator: Platts

Publication_Date: 2009

Title: Electric Transmission Lines

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Westminster, CO

Publisher: Platts

Online_Linkage: <<http://www.gisdata.platts.com/>>

Description:

Abstract:

The Platts Transmission Lines geospatial data layer contains electric power lines of transmission and sub-transmission voltages covering North America. Transmission lines can carry alternating current or direct current with voltages typically ranging from 110 kilovolts (kV) to 765 kV. Transmission lines can be overhead and underground; underground transmission lines are more often found in urban areas. Sub-transmission lines generally carry voltages ranging from 33 kV to 100kV. These sub-transmission lines transmit power from higher voltage lines or other bulk power sources to local distribution network substations.

Purpose:

The Platts Transmission Lines geospatial data layer has been created to display the electric transmission grid of North America. When used in association with the Platts Power Plants and Substations geospatial data layers, viewers can analyze the geographic relationships within the electric transmission grid across utilities, states, and countries.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2009

Currentness_Reference: publication date

Status:

Progress: In work

Maintenance_and_Update_Frequency: Continually

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -159.710786

East_Bounding_Coordinate: -52.686713

North_Bounding_Coordinate: 64.735897

South_Bounding_Coordinate: 14.548406

Keywords:

Theme:

Theme_Keyword_Thesaurus: ArcIMS Metadata Server Theme Codes

Theme_Keyword: utilitiesCommunication

Theme:

Theme_Keyword_Thesaurus: NONE

Theme_Keyword: Electric Transmission Line

Theme_Keyword: Transmission Line

Theme_Keyword: Power line

Theme_Keyword: Electric Line

Theme_Keyword: Transmission

Theme_Keyword: Power

Theme_Keyword: Electric Grid

Place:

Place_Keyword_Thesaurus: NONE

Place_Keyword: United States

Place_Keyword: Alabama

Place_Keyword: Alaska

Place_Keyword: Arizona

Place_Keyword: Arkansas

Place_Keyword: California

Place_Keyword: Colorado

Place_Keyword: Connecticut

Place_Keyword: Delaware

Place_Keyword: District of Columbia

Place_Keyword: Washington D.C.

Place_Keyword: Florida

Place_Keyword: Georgia

Place_Keyword: Hawaii

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Place_Keyword: Illinois

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Place_Keyword: New Jersey
Place_Keyword: New Mexico
Place_Keyword: New York
Place_Keyword: North Carolina
Place_Keyword: North Dakota
Place_Keyword: Ohio
Place_Keyword: Oklahoma
Place_Keyword: Oregon
Place_Keyword: Pennsylvania
Place_Keyword: Rhode Island
Place_Keyword: South Carolina
Place_Keyword: South Dakota
Place_Keyword: Tennessee
Place_Keyword: Texas
Place_Keyword: Utah
Place_Keyword: Vermont
Place_Keyword: Virginia
Place_Keyword: Washington
Place_Keyword: West Virginia
Place_Keyword: Wisconsin
Place_Keyword: Wyoming
Place_Keyword: Canada
Place_Keyword: Alberta
Place_Keyword: British Columbia
Place_Keyword: Manitoba
Place_Keyword: New Brunswick
Place_Keyword: Newfoundland
Place_Keyword: Northwest Territories
Place_Keyword: Nova Scotia
Place_Keyword: Nunavut
Place_Keyword: Ontario
Place_Keyword: Prince Edward Island
Place_Keyword: Quebec
Place_Keyword: Saskatchewan
Place_Keyword: Yukon Territory
Place_Keyword: Mexico
Place_Keyword: Aquascalientas
Place_Keyword: Baja California Norte
Place_Keyword: Baja California Sur
Place_Keyword: Campeche
Place_Keyword: Chiapas
Place_Keyword: Chihuahua
Place_Keyword: Coahuila
Place_Keyword: Colima
Place_Keyword: Durango
Place_Keyword: Federal District
Place_Keyword: Guanajuato

Place_Keyword: Guerrero
Place_Keyword: Hidalgo
Place_Keyword: Jalisco
Place_Keyword: Michoacan De Ocampo
Place_Keyword: Morelos
Place_Keyword: Nayarit
Place_Keyword: Nuevo Leon
Place_Keyword: Oaxaca
Place_Keyword: Puebla
Place_Keyword: Queretaro
Place_Keyword: Quintana Roo
Place_Keyword: San Luis Potosi
Place_Keyword: Sinaloa
Place_Keyword: Sonora
Place_Keyword: Tabasco
Place_Keyword: Tamaulipas
Place_Keyword: Tlaxcala
Place_Keyword: Veracruz
Place_Keyword: Yucatan
Place_Keyword: Zacatecas
Place_Keyword: North America
Place_Keyword: Latin America
Place_Keyword: US
Place_Keyword: USA

Access_Constraints:

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

Use_Constraints:

Use is limited to the individuals identified in a Master Service Agreement with Platts.

Usage and Sourcing guidelines are detailed in the "GeospatialProductUsageSourcing" document, delivered with a subscription to Platts geospatial products and data. Please email powermap_support@platts.com for a copy.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Platts

Contact_Address:

Address_Type: mailing and physical address

Address: 10225 Westmoor Drive, Suite 325

City: Westminster

State_or_Province: CO

Postal_Code: 80021

Country: United States

Contact_Voice_Telephone: 720-45-5020

Contact_Facsimile_Telephone: 720-548-5007

Contact_Electronic_Mail_Address: custom_services@platts.com

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog
9.3.0.1770

*Data_Quality_Information:**Positional_Accuracy:**Horizontal_Positional_Accuracy:**Horizontal_Positional_Accuracy_Report:*

The horizontal accuracy of Platts geospatial data meets or exceeds the National Map Accuracy Standards for geospatial data at a 1:250,000 map scale

*Vertical_Positional_Accuracy:**Vertical_Positional_Accuracy_Report:*

The vertical accuracy of Platts geospatial data to date has not been captured and is unavailable

*Lineage:**Process_Step:*

*Spatial_Data_Organization_Information:**Direct_Spatial_Reference_Method:* Vector*Point_and_Vector_Object_Information:**SDTS_Terms_Description:*

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 66646

*Spatial_Reference_Information:**Horizontal_Coordinate_System_Definition:**Geographic:*

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: D_WGS_1984

Ellipsoid_Name: WGS_1984

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257224

*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:*

Entity_Type_Label: Electric Transmission Lines

Entity_Type_Definition: Polyline features representing electric transmission lines

Attribute:

Attribute_Label: FID

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: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: CHARID

Attribute_Definition: Platts assigned designation number

Attribute:

Attribute_Label: COMPANY

Attribute_Definition: Primary owner name

Attribute:

Attribute_Label: VOLTAGE

Attribute_Definition: Rated voltage

Attribute:

Attribute_Label: CATEGORY

Attribute_Definition: Platts assigned category for thematic mapping

Attribute:

Attribute_Label: CIRCUITS

Attribute_Definition: Number of circuits a line segment represents

Attribute:

Attribute_Label: TYPE

Attribute_Definition: Type of transmission line

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: OH

Enumerated_Domain_Value_Definition: Overhead

Enumerated_Domain:

Enumerated_Domain_Value: UG

Enumerated_Domain_Value_Definition: Underground

Enumerated_Domain:

Enumerated_Domain_Value: UW

Enumerated_Domain_Value_Definition: Underwater

Enumerated_Domain:

Enumerated_Domain_Value: OH/UG

Enumerated_Domain_Value_Definition: Overhead and Underground

Attribute:

Attribute_Label: PROPOSED

Attribute_Definition: Flag marking proposed transmission lines

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Y

Enumerated_Domain_Value_Definition: Proposed transmission Line

Enumerated_Domain:

Enumerated_Domain_Value: <EMPTY>

Enumerated_Domain_Value_Definition: Existing transmission line

Attribute:

Attribute_Label: OWNER1

Attribute_Definition: Primary owner abbreviation

Attribute:

Attribute_Label: OWNER2

Attribute_Definition: Secondary owner abbreviation

Attribute:

Attribute_Label: OWNER3

Attribute_Definition: Tertiary owner abbreviation

Attribute:

Attribute_Label: SUB1ID

Attribute_Definition: Unique ID of the substation at one end of the transmission line

Attribute:

Attribute_Label: FROMSUB

Attribute_Definition: Name of the substation at one end of a transmission line

Attribute:

Attribute_Label: SUB2ID

Attribute_Definition: Unique ID of the substation at one end of the transmission line

Attribute:

Attribute_Label: TOSUB

Attribute_Definition: Name of the substation at one end of the transmission line

Attribute:

Attribute_Label: BUS1ID

Attribute_Definition: Unique ID of Bus at one end of the transmission line

Attribute:

Attribute_Label: BUS2ID

Attribute_Definition: Unique ID of Bus at one end of the transmission line

Attribute:

Attribute_Label: LENGTHMI

Attribute_Definition: Length of line segment in miles

Attribute:

Attribute_Label: LENGTHKM

Attribute_Definition: Length of line segment in kilometers

Attribute:

Attribute_Label: POSREL

Attribute:

Attribute_Label: COMPID

Attribute_Definition: Unique ID of the primary owning company

Attribute:

Attribute_Label: TRANSID

Attribute_Definition: Unique ID for the transmission line segment

Overview_Description:

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Platts

Contact_Address:

Address_Type: mailing and physical address

Address: 10225 Westmoor Drive, Suite 325t

City: Westminster

State_or_Province: CO

Postal_Code: 80021

Country: United States
Contact_Voice_Telephone: 1-800-PLATTS8
Contact_Facsimile_Telephone: 720-548-5007
Contact_Electronic_Mail_Address: custom_services@platts.com
Resource_Description: Offline Data
Distribution_Liability:
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Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Transfer_Size: 35.843
Ordering_Instructions: Contact a Platts sales associate @ 1-800-PLATTS8

Metadata_Reference_Information:
Metadata_Date: 20090101
Metadata_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Keith Holecek
Contact_Organization: Platts
Contact_Position: Product Manager
Contact_Address:
Address_Type: mailing and physical address
Address: 10225 Westmoor Drive, Suite 325
City: Westminster
State_or_Province: CO
Postal_Code: 80021
Country: United States
Contact_Voice_Telephone: 720-548-5718
Contact_Facsimile_Telephone: 720-548-5007
Contact_Electronic_Mail_Address: keith_holecek@platts.com
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Access_Constraints: NONE
Metadata_Use_Constraints: NONE
Metadata_Extensions:
Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile

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