

Transmission Line Constraints

Metadata also available as

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Identification_Information:

Citation:

Citation_Information:

Originator: Platts

Publication_Date: 2009

Title: Transmission Line Constraints

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 Line Constraints geospatial data layer contains lines representing transmission line corridors in the United States that have historically experienced capacity constraints. When electricity transfer on a transmission line into a market reaches its limit the transmission line is said to be constrained. Transmission line constraints can signify an area of security concern, a need to better balance electricity flow into a market, or the need for additional transmission lines to serve a market. In the Eastern United States these constraints are termed "flowgates" by the North American Electric Reliability Council (NERC) and in the Western United States these constraints are termed "paths" by the Western Electric Coordinating Council (WECC).

Purpose:

The Platts Transmission Line Constraints geospatial data layer has been created to display transmission line corridors that have historically encountered congestion and are monitored.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2009

Currentness_Reference: publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -122.999480

East_Bounding_Coordinate: -66.455461

North_Bounding_Coordinate: 50.942530

South_Bounding_Coordinate: 27.058638

Keywords:

Theme:

Theme_Keyword_Thesaurus: ArcIMS Metadata Server Theme Codes

Theme_Keyword: utilitiesCommunication

Theme:

Theme_Keyword_Thesaurus: NONE

Theme_Keyword: Transmission line constraints

Theme_Keyword: Transmission constraint

Theme_Keyword: Power line constraints

Theme_Keyword: Transmission lines

Theme_Keyword: Power lines

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

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Place_Keyword: Oregon
Place_Keyword: Pennsylvania
Place_Keyword: Rhode Island
Place_Keyword: South Carolina
Place_Keyword: South Dakota
Place_Keyword: Tennessee
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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: Tiaxcala
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 325eet

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:

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: 1364

*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: Transmission Line Constraints

Entity_Type_Definition:

Polyline feature representing transmission line corridors that have been historically constrained.

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 identification number

Attribute:

Attribute_Label: VOLTAGE

Attribute_Definition: Rated voltage

Attribute:

Attribute_Label: ELEMENT

Attribute_Definition: Line segment name reported by the NERC or WECC

Attribute:

Attribute_Label: TYPE

Attribute_Definition: Type of constraint

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Contingent

Enumerated_Domain:

Enumerated_Domain_Value: Monitored

Enumerated_Domain:

Enumerated_Domain_Value: Path

Attribute:

Attribute_Label: ELMNTID

Attribute_Definition: Platts assigned identification number

Attribute:

Attribute_Label: FROMSUB

Attribute_Definition: Originating substation name

Attribute:

Attribute_Label: TOSUB

Attribute_Definition: Destination substation name

Attribute:

Attribute_Label: PLATTSID

Attribute_Definition: Unique ID for the transmission constraint

Attribute:

Attribute_Label: TCONID

Attribute_Definition: Unique ID for transmission line constraint

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 325

City: Westminster

State_or_Province: CO

Postal_Code: 80021

Country: United States

Contact_Voice_Telephone: 1-800-PLATTTS8

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: 1.633

Ordering_Instructions: Contact a Platts sales associate @ 1-800-PLATTTS8

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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