

Electric Substations

Metadata also available as

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Identification_Information:

Citation:

Citation_Information:

Originator: Platts

Publication_Date: 2009

Title: Electric Substations

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 Electric Substation geospatial data layer contains point features representing electric transmission, sub-transmission, and some distribution substations in North America. These substations are fed by electric transmission and sub-transmission lines and are used to step-up and step-down the voltage of electricity being carried by the lines, or simply to connect together various lines and maintain reliability of supply. These substations can be located on the surface within fenced enclosures, within special purpose buildings, on rooftops (in urban environments), or underground. A substation feature is also used to represent a location where one transmission line "taps" into another.

Purpose:

The Platts Electric Substation geospatial data layer has been created to display the locations of electric substations in North America. When used in association with the Platts Power Plants and Electric Transmission Lines 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:* -171.742515*East_Bounding_Coordinate:* -52.686713*North_Bounding_Coordinate:* 71.287583*South_Bounding_Coordinate:* 14.548406*Keywords:**Theme:**Theme_Keyword_Thesaurus:* ArcIMS Metadata Server Theme Codes*Theme_Keyword:* structure*Theme_Keyword:* utilitiesCommunication*Theme:**Theme_Keyword_Thesaurus:* NONE*Theme_Keyword:* Electric substation*Theme_Keyword:* Substation*Theme_Keyword:* Electric Transformer*Theme_Keyword:* Electric bus*Theme_Keyword:* Transmission*Theme_Keyword:* Transmission grid*Theme_Keyword:* Electric transmission*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*Place_Keyword:* Idaho*Place_Keyword:* Illinois*Place_Keyword:* Indiana*Place_Keyword:* Iowa*Place_Keyword:* Kansas*Place_Keyword:* Kentucky*Place_Keyword:* Louisiana*Place_Keyword:* Maine*Place_Keyword:* Maryland*Place_Keyword:* Massachusetts*Place_Keyword:* Michigan*Place_Keyword:* Minnesota

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Place_Keyword: Prince Edward Island
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Place_Keyword: Baja California Sur
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Place_Keyword: Chiapas
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Place_Keyword: Coahuila
Place_Keyword: Colima
Place_Keyword: Durango

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Place_Keyword: Nayarit
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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: Entity point

Point_and_Vector_Object_Count: 56188

*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 Substation

Entity_Type_Definition: Point features representing electric substation locations

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: NAME

Attribute_Definition: Name of substation

Attribute_Definition_Source: Owner

Attribute:

Attribute_Label: COMPANY

Attribute_Definition: Name of company that owns the substation

Attribute:

Attribute_Label: COMPID

Attribute_Definition: Unique ID of the owning company

Attribute:

Attribute_Label: MAXKV

Attribute_Definition:

Voltage of the largest transmission line connected to the substation

Attribute:

Attribute_Label: CIRCUITS

Attribute_Definition:

Total number of transmission line circuits that connect with the substation

Attribute:

Attribute_Label: POS_REL

Attribute:

Attribute_Label: SUBID

Attribute_Definition: Unique ID of the substation

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-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: 1.500
Ordering_Instructions: Contact a Platts sales associate @ 1-800-PLATTSS8

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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