

Phase 3 Potential National Interest Electrical Transmission Corridors (December 16, 2024)



Tags

electrical transmission, corridor, NIETC, national interest electrical transmission corridor, Department of Energy, DOE, Grid Deployment Office, GDO, siting, permitting

Summary

Depicts potential Phase 3 National Interest Electrical Transmission Corridors released for public comment on December 16, 2024, by the Department of Energy Grid Deployment Office. See <https://www.energy.gov/gdo/national-interest-electric-transmission-corridor-designation-process> for more information. Questions and comments can be submitted to NIETC@hq.doe.gov.

Description

This layer maps the extents of potential National Interest Electrical Transmission Corridors at Phase 3 of the designation process. Phase 3, the public engagement phase, includes refining geographic boundaries of potential NIETCs, initiating any required environmental reviews under the National Environmental Policy Act (NEPA) and other applicable federal statutes, preparing a draft report, and conducting community engagement. Public activities will focus on DOE-led community engagement activities focused on potential NIETCs.

Consumers are frequently harmed from a lack of transmission infrastructure, which can directly contribute to higher electricity prices, more frequent power outages from extreme weather, and longer outages as the grid struggles to come back online. While these needs are urgent, building and expanding electric transmission often requires several years of permitting, siting, and regulatory processes, especially if the transmission line extends through multiple states and regions. To expedite and streamline this process, the Federal Power Act authorizes the Secretary of Energy to designate any geographic area as a National Interest Electric Transmission Corridor (NIETC) if the Secretary finds that consumers are harmed by a lack of transmission in the area and that the development of new transmission would advance important national interests in that area, such as increased reliability and reduced consumer costs.

A NIETC designation can unlock Federal financing tools, specifically public-private partnerships through the \$2.5 billion Transmission Facilitation Program under the Bipartisan Infrastructure Law (BIL) and the \$2 billion Transmission Facility Financing Program under the Inflation Reduction Act (IRA). NIETC designation does not constitute selection of, or a preference for, a specific transmission project for financial purposes. A NIETC designation also allows the Federal Energy Regulatory Commission (FERC) to issue permits for the siting of transmission lines within the NIETC under circumstances where state siting authorities do not have authority to site the line, have not acted on an application for over one year, or have denied an application.

See <https://www.energy.gov/gdo/national-interest-electric-transmission-corridor-designation-process> for more information. Questions and comments can be submitted to NIETC@hq.doe.gov.

Credits

U.S. Department of Energy, Grid Deployment Office

Use limitations

There are no access and use limitations for this item.

Extent

West -108.212958 East -79.247304
North 46.493314 South 31.544668

Scale Range

Maximum (zoomed in) 1:50,000
Minimum (zoomed out) 1:20,000,000

Topics and Keywords

THEMES OR CATEGORIES OF THE RESOURCE boundaries, planningCadastre, utilitiesCommunication
* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Citation

TITLE Phase 3 Potential National Interest Electrical Transmission Corridors (December 16, 2024)
PUBLICATION DATE 2024-12-16
PRESENTATION FORMATS * digital map

Citation Contacts

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Department of Energy, Grid Deployment Office
CONTACT'S ROLE originator

CONTACT INFORMATION
ADDRESS
TYPE
E-MAIL ADDRESS NIETC@hq.doe.gov

Resource Details

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format
STATUS completed
SPATIAL REPRESENTATION TYPE * vector
* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.0.12790
CREDITS
U.S. Department of Energy, Grid Deployment Office

ARCGIS ITEM PROPERTIES
* NAME potential_nietcs_phase3_241216

Extents

EXTENT

DESCRIPTION

Publication date.

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -108.212958

* EAST LONGITUDE -79.247304

* NORTH LATITUDE 46.493314

* SOUTH LATITUDE 31.544668

* EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT

DATE AND TIME 2024-12-16

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -945583.937900

* EAST LONGITUDE 1303453.022200

* SOUTH LATITUDE 1036088.133500

* NORTH LATITUDE 2611576.129000

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact

POINT OF CONTACT

ORGANIZATION'S NAME U.S. Department of Energy, Grid Deployment Office

CONTACT'S ROLE point of contact

CONTACT INFORMATION

ADDRESS

TYPE

E-MAIL ADDRESS NIETC@hq.doe.gov

Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Spatial Reference

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION USA_Contiguous_Albers_Equal_Area_Conic_USGS_version

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102039

X ORIGIN -16901100

Y ORIGIN -6972200

XY SCALE 10000

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 102039
WELL-KNOWN TEXT PROJCS
["USA_Contiguous_Albers_Equal_Area_Conic_USGS_version",GEOGCS
["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID
["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Albers"],PARAMETER
["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-
96.0],PARAMETER["Standard_Parallel_1",29.5],PARAMETER
["Standard_Parallel_2",45.5],PARAMETER["Latitude_Of_Origin",23.0],UNIT
["Meter",1.0],AUTHORITY["Esri",102039]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 102039
- * CODESPACE Esri

Spatial Data Properties

VECTOR

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
- GEOMETRIC OBJECTS

FEATURE CLASS NAME potential_nietcs_phase3_241216
* OBJECT TYPE composite
* OBJECT COUNT 3

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME potential_nietcs_phase3_241216
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 3
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT potential_nietcs_phase3_241216

TYPE Feature Class

- * ROW COUNT 3

FIELD OBJECTID

ALIAS Object ID
* 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.

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.

FIELD Name

- ALIAS Potential Corridor Name
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
Name of the potential corridor at Phase 3 of the process.
- DESCRIPTION SOURCE
U.S. Department of Energy, Grid Deployment Office

FIELD Phase

- * ALIAS Phase
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
Phase of the National Interest Electrical Transmission Corridor designation process.
- DESCRIPTION SOURCE
U.S. Department of Energy, Grid Deployment Office

FIELD AreaAcres

- ALIAS Area in Acres
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
Corridor area in acres computed with a GIS using a standard U.S. Albers Equal Area Projection.

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.

FIELD SHAPE_Area

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

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 2024-12-05
- 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 2024-12-05
 - LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-12-05
 - AUTOMATIC UPDATES
 - HAVE BEEN PERFORMED Yes
 - LAST UPDATE 2024-12-05

Metadata Contacts

- METADATA CONTACT
 - ORGANIZATION'S NAME U.S. Department of Energy, Grid Deployment Office
 - CONTACT'S ROLE point of contact
 - CONTACT INFORMATION
 - ADDRESS
 - TYPE
 - E-MAIL ADDRESS NIETC@hq.doe.gov

Metadata Maintenance

MAINTENANCE
UPDATE FREQUENCY as needed

Metadata Constraints

LEGAL CONSTRAINTS
LIMITATIONS OF USE
All data, information and maps are provided "as is" without warranty of any representation of accuracy, timeliness or completeness. It should be used for illustration purposes only and not be considered a legal document. The DOE makes no claims or warranties, express or implied, concerning the validity or accuracy of these GIS data.