

**STANDARD APPLICATION FOR A CERTIFICATE OF
CONVENIENCE AND NECESSITY FOR A PROPOSED
TRANSMISSION LINE WITHIN POTTER COUNTY**

AND

**APPLICATION FOR A CERTIFICATE OF CONVENIENCE
AND NECESSITY FOR A PROPOSED TRANSMISSION
LINE PURSUANT TO P.U.C. SUBST. R. 25.174**

DOCKET NO. 39467

Submit seven (7) copies of the application and all attachments supporting the application. If the application is being filed pursuant to P.U.C. SUBST. R. 25.101(b)(3)(D) or P.U.C. Subst. R. 25.174, include in the application all direct testimony. The application and other necessary documents shall be submitted to:

Public Utility Commission of Texas

Attn: Filing Clerk

1701 N. Congress Ave.

Austin, Texas 78711-3326

**Standard Application for a Certificate of Convenience and Necessity for a Proposed Transmission
Line
and
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Pursuant To P.U.C. Subst. R. 25.174**

1. Southwestern Public Service Company
Certificate Number: 30153
Street Address: 600 South Tyler Street
Mailing Address: Amarillo, TX 79105-1261
2. **Please identify all entities that will hold an ownership interest or an investment interest in the proposed project but which are not subject to the Commission's jurisdiction.**

N/A

3. **Person to Contact:** James M. Bagley
Title/Position: Manager Regulatory Administration
Phone Number: 806-378-2868
Mailing Address: P.O. Box 1261
Amarillo, TX 79105-1261
Email Address: James.Bagley@xcelenergy.com

Alternate Contact: Bryan S. Cook
Title/Position: Project Manager
Phone Number: 806-378-2403
Mailing Address: P.O. Box 1261
Amarillo, TX 79105-1261
Email Address: Bryan.S.Cook@xcelenergy.com

Legal Counsel: Jerry F. Shackelford
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Mailing Address: 816 Congress Avenue, Suite 1650
Austin, TX 78701
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Legal Counsel: Andrea Moore Stover
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4. Project Description:

Name or Designation of Project: SOUTHWESTERN PUBLIC SERVICE COMPANY’S APPLICATION TO AMEND A CERTIFICATE OF CONVENIENCE AND NECESSITY (CCN) FOR A PROPOSED 115 kV TRANSMISSION LINE WITHIN POTTER COUNTY, TEXAS. THE PROJECT NAME IS ROLLING HILLS SUBSTATION TO HASTINGS SUBSTATION

Provide a general description of the project, including the design voltage rating (kV), the operating voltage (kV), the CREZ Zone(s) (if any) where the project is located (all or in part), any substations and/or substation reactive compensation constructed as part of the project, and any series elements such as sectionalizing switching devices, series line compensation, etc. For HVDC transmission lines, the converter stations should be considered to be project components and should be addressed in the project description.

The proposed transmission line is presented with seven alternative routes consisting of a combined 15 segments and is estimated to be approximately 3.5 to 7 miles in length depending on which route is chosen. All routes described below begin at the proposed Rolling Hills Substation and end at the existing Hastings Substation in south-central Potter County. The proposed Rolling Hills Substation will be located just inside the city limits of Amarillo, south of West Cherry Avenue, east of Leroy Way, and west of U.S. Highway 87/287 (Dumas Drive), approximately six miles north of downtown Amarillo, Texas. The existing Hastings Substation is located at the southwest corner of the intersection of Broadway Drive/FM 2176 and West Hastings Avenue, also within the city limits of Amarillo. The proposed 115 kV double-circuit transmission line would be constructed utilizing double-circuit, single-pole steel structures.

Alternative Route	Segments
1	A-C-D-E
2	B-L-N-E
3	A-C-F-I-E
4	B-L-N-I-G-H-K
5	A-C-M-N-I-G-J-K
6	A-C-F-G-H-K
7	B-O-C-D-E

Design Voltage Rating (kV): 115 kV

Operating Voltage Rating (kV): 115 kV

Normal Peak Operating Current Rating (A): 901 amps

If the project will be owned by more than one party, briefly explain the ownership arrangements between the parties and provide a description of the portion(s) that will be owned by each party. Provide a description of the responsibilities of each party for implementing the project (design, Right-Of-Way acquisition, material procurement, construction, etc.).

Southwestern Public Service Company owns 100 percent of the project.

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If applicable, identify and explain any deviation in transmission project components from the original transmission specifications as previously approved by the Commission or recommended by a PURA §39.151 organization.

The only deviation in the transmission project component originally specified by the Southwest Power Pool (SPP) in the Notification to Construct (NTC) letter is the substation name. SPP specified the proposed line as “Cherry-Hastings 115 kV line”. Please refer to Section 7 (Substations or Switching Stations) for further explanation.

5. Conductor and Structures:

Conductor Size and Type:

Conductor will be 477 kCMIL, ACSR, 26/7 stranded, code name HAWK. Static wire will be one 3/8” EHS galvanized steel and one Optical Ground Wire.

Number of conductors per phase: 1 (one)

Continuous Summer Static Current Rating (A): 901 amps

Continuous Summer Static Line Capacity at Operating Voltage (MVA): 180 MVA

Continuous Summer Static Line Capacity at Design Voltage (MVA): 180 MVA

Type and composition of Structures:

Double-circuit, single-pole steel structures

Height of Typical Structures:

The typical height for these structures will be between 80 and 140 feet.

Explain why these structures were selected; include such factors as landowner preference, engineering considerations, and costs comparisons to alternate structures that were considered. Provide dimensional drawings of the typical structures to be used in the project.

SPS plans to construct the line with single-pole steel structures and will use direct burial on tangent structures and drilled pier foundations on all angle and corner structures. SPS chose single-pole steel structures over wood structures, in part, because of the low maintenance cost, strength of the line during adverse conditions, resistance to fire damage, increased span lengths, and the unavailability of wood poles in heights greater than 110 feet. An approximately 3.6-mile transmission line constructed with wood poles has an estimated maintenance cost of \$71,280 for the expected life of the line; whereas, there is no expected maintenance associated with a transmission line built with steel structures. The estimated life of a typical steel structure is approximately 20 years longer than a comparable wood structure. (SPS expects a wood structure to last for 50 years and a steel structure to last for 70+ years). The primarily agricultural land use of the area was an additional factor in selecting this type of structure since a single-pole steel line minimizes the impact to landowners because it eliminates the space required by an H-frame

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structure as well as the need for guy wires on the landowner's property, which results in a smaller footprint than a guyed structure. Also, utilizing steel poles results in using fewer structures. During the public meeting held for this project, landowners had no opposition to the single-pole steel design.

Using all steel structures, a double-circuit transmission line for Route 1, would cost \$1,677,975. The same line with a mixture of double-circuit wood tangents and steel angle structures would cost \$1,602,363. Although the cost of constructing the line with single-pole steel is higher than that of a wood H-frame line, SPS opted to use steel poles, due to the other benefits previously mentioned. Also, using steel structures addresses the Commission's concerns regarding storm-hardening.

SPS has opted for the use of a double-circuit 115 kV structure to allow for the construction of a future Rolling-Hills – North West Substation 115 kV line. The estimated in-service date of that line will be within a five- to ten-year period from the filing of this CCN. By constructing this line now as a double-circuit configuration, landowner impacts are minimized when this future project is started as no additional CCN is expected to be required through this urban area.

Refer to Attachment 2 for the following:

Typical 115 kV double-circuit steel tangent direct buried structure is shown on SPS drawing SD-TO-521.

Typical 115 kV double-circuit steel corner structure on foundation is shown on SPS drawing SD-TO-523.

Typical 115 kV double-circuit steel termination structure on foundation is shown on SPS drawing SD-TO-522.

For joint applications, provide and separately identify the above-required information regarding structures for the portion(s) of the project owned by each applicant.

Not applicable.

6. Right-of-way:

Miles of Right-of-Way: Approximately 3.5 to 7 miles.

Miles of Circuit: Approximately 3.5 to 7 miles.

Width of Right-of-Way: 70 feet

Percent of Right-of-Way Acquired: 0%

Provide a brief description of the area traversed by the transmission line. Include a description of the general land uses in the area and the type of terrain crossed by the line.

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The proposed area is located in Potter County in the Texas Panhandle, approximately six miles north of the City of Amarillo. A portion of the study area crosses into the municipal boundary of Amarillo. The study area is located south of Cherry Avenue, west of U.S. Highway 87/287, east of Western Street, and extends just south of Hastings Avenue. The general land use in this area consists primarily of non-irrigated grazing grasslands, with low density residential and commercial land uses found along the northern and southeast study area perimeters. The type of terrain the route crosses is characterized by broad expanses of flat terrain.

7. Substations or Switching Stations:

List the name of all existing HVDC converter stations, substations or switching stations that will be associated with the new transmission line. Provide documentation showing that the owner(s) of the existing HVDC converter stations, substations and/or switching stations have agreed to the installation of the required project facilities.

- Hastings Substation
- Cherry Street Substation
- East Plant Substation
- Northwest Substation

All of these substations are owned by SPS.

Additional land will be acquired to expand the existing Hastings Substation site near Amarillo, Texas. SPS will convert the primary voltage from 69 kV to 115 kV. This includes changing the existing 15/25 MVA 67/13.2 kV transformer to a new 16.8/22.4/28 MVA 115/13.2 kV transformer. The newly converted Hastings Substation will have two distinct 115 kV feeds from two separate substations: one from the Rolling Hills Substation and one from the East Plant Substation. In addition, SPS will install the necessary breakers, switching devices, protective devices, electrical equipment, structures, foundations, etc. needed for termination of existing and future electric transmission circuits.

For joint applications, provide and separately identify the above-required information for each route for the portion(s) of the project owned by each applicant.

Not applicable.

List the name of all new HVDC converter stations, substations or switching stations that will be associated with the new transmission line. Provide documentation showing that the owner(s) of the new HVDC converter stations, substations and/or switching stations have agreed to the installation of the required project facilities.

- Rolling Hills Substation

This substation will be owned by SPS.

The Cherry Street Substation, which is located directly across the street from and north of the proposed Rolling Hills Substation, is insufficient to meet the needs of this project. In its present

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configuration, the Cherry Street Substation is a distribution load-serving substation that provides power to residential and commercial customers. The proposed Rolling Hills Substation will be a bulk power load-serving substation that is intended to distribute transmission voltage power in the SPS transmission network. The two substations serve two very different purposes. Furthermore, Cherry Street Substation is landlocked by residential homes, which makes the site unsuitable for expansion.

8. Estimated Schedule:

<u>Estimated Dates of:</u>	<u>Start</u>	<u>Completion</u>
Right-of-way and Land Acquisition	Following CCN approval	6 months following CCN approval
Engineering and Design	Following CCN approval	8 weeks before construction
Material and Equipment Procurement	Following CCN approval	6 weeks before construction
Construction of Facilities	As right-of-way (ROW) is acquired	6 months following ROW acquisition
Energize Facilities	-----	30 days upon completion of construction

9. Counties:

For each route, list all counties in which the route is to be constructed.

All seven alternate routes are located in Potter County.

10. Municipalities:

For each route, list all municipalities in which the route is to be constructed.

Portions of all seven alternate routes are proposed to be constructed within the city limits of Amarillo, Texas.

For each applicant, attach a copy of the franchise, permit or other evidence of the city's consent held by the utility, if necessary or applicable. If franchise, permit, or other evidence of the city's consent has been previously filed, provide only the docket number of the application in which the consent was filed. Each applicant should provide this information only for the portion(s) of the project which will be owned by the applicant.

Refer to Attachment 3 for a copy of the Amarillo franchise agreement.

For each applicant, attach a copy of the franchise, permit or other evidence of the city's consent held by the utility, if necessary or applicable. If franchise, permit, or other evidence of the city's consent has been previously filed, provide only the docket number of the application in which the consent was filed. Each applicant should provide this information only for the portion(s) of the project which will be owned by the applicant.

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Not applicable.

11. Affected Utilities:

Identify any other electric utility served by or connected to facilities in this application.

None.

Describe how any other electric utility will be affected and the extent of the other utilities' involvement in the construction of this project. Include any other electric utilities whose existing facilities will be utilized for the project (vacant circuit positions, ROW, substation sites and/or equipment, etc.) and provide documentation showing that the owner(s) of the existing facilities have agreed to the installation of the required project facilities.

Not applicable.

12. Financing:

Describe the method of financing this project. For each applicant that is to be reimbursed for all or a portion of this project, identify the source and amount of the reimbursement (actual amount if known, estimated amount otherwise) and the portion(s) of the project for which the reimbursement will be made.

The proposed project will be financed through internally-generated funds.

13. Estimated Costs: *Provide cost estimates for each route of the proposed project using the following table. Provide a breakdown of "Other" costs by major cost category and amount. Provide the information for each route in an attachment to this application.*

Refer to Attachment 4 for the estimated cost table.

For joint applications, provide and separately identify the above-required information for the portion(s) of the project owned by each applicant.

Not applicable.

14. Need for the Proposed Project:

For a standard application, describe the need for the construction and state how the proposed project will address the need. Describe the existing transmission system and conditions addressed by this application. For projects that are planned to accommodate load growth, provide historical load data and load projections for at least five years. For projects to accommodate load growth or to address reliability issues, provide a description of the steady state load flow analysis that justifies the project. For interconnection projects, provide any documentation from a transmission service customer, generator, transmission service provider, or other entity to establish that the proposed facilities are needed. For projects related to a Competitive Renewable Energy Zone, the foregoing requirements are not necessary; the applicant need only provide a specific reference to the pertinent portion(s) of an appropriate commission order specifying that the facilities are needed. For all projects, provide any documentation of the review and recommendation of a PURA §39.151 organization.

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SPS is a member of, and its entire transmission system is located within, the SPP. The SPP is an organization that meets the requirements of Public Utility Regulatory Act (PURA) Section 39.151 as an independent system operator. SPS does not operate in the Electric Reliability Council of Texas (ERCOT) region, and ERCOT takes no position on SPS's transmission projects.

The proposed transmission line will connect the Rolling Hills Substation to the Hastings Substation, both in Potter County, Texas. The proposed transmission line was identified by SPP as needed for reliability to address the system-intact overload of Cherry Street Substation to Nichols Plant 115 kV line due to load growth in the Amarillo metro service area. The proposed transmission line is the result of the 2010 SPP Transmission Expansion Plan (STEP) study of the SPP Open Access Transmission Tariff which is part of the Ten-Year Regional Transmission Organization (RTO) Regional Reliability Assessment (2011-2021).

Existing Transmission System

The existing transmission around the Amarillo metro service area consists of 102 miles of 345 kV line, 523 miles of 230 kV lines, 410 miles of 115 kV lines, and 136 miles of 69 kV lines. The Amarillo metro service area is fed from four different transmission lines at the 230 kV level coming from the gas-fired Nichols and coal-fired Harrington Generating Plants. The total generating nameplate capacities of Nichols and Harrington Plants is 1510 MW. A wind generating plant, having a maximum output approximate 160 MW, is connected to the western side of the Amarillo metro service area.

The Amarillo South 230/115 kV Substation connects to the southern part of the Amarillo metro service area while Randall County 230/115 kV and the East Plant 230/115 kV substations are connected to the eastern side of the Amarillo metro service area. Bushland 230/115 kV Substation is another source connected to the west, of the Amarillo metro service area. At the 230 kV voltage level, Nichols Plant is connected and terminated at the East Plant and Amarillo South Substation, and also Swisher County 230/115 kV Substation south of Amarillo and northeast of the Plainview, Texas area. Also, at the 230 kV level, Harrington Plant is connected and terminated at the Randall County Substation, Nichols Plant, Potter County Substation, a 345/230 kV substation in north Amarillo. All of these substations provide sources to transmit the power from the local generation to the lower voltage 115 kV and 69 kV networks that serve the Amarillo metro service area.

SPP studied and analyzed reliability issues in the region and identified the proposed transmission line as one of the regional reliability upgrades listed in Appendix B of the 2010 STEP Study. Based on the 2010 STEP Study, SPP has determined that there is a need for the proposed transmission line and has issued an NTC letter to SPS. The SPP NTC letter sent to SPS is under Project ID 774 and Network Upgrade ID number 11378 which directs SPS to build a 115 kV line.

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Refer to Attachment 5 for the SPP NTC letter (SPP-NTC-20130, Project ID: 774, Upgrade ID: 11378).

Refer to Attachment 6 for SPS Acceptance letter to the SPP NTC Letter (SPP-NTC-20130).

Refer to Attachment 7 for an excerpt from the 2010 STEP study.

15. Alternatives to Project:

For a standard application, describe alternatives to the construction of this project (not routing options). Include an analysis of distribution alternatives, upgrading voltage or bundling of conductors of existing facilities, adding transformers, and for utilities that have not unbundled, distributed generation as alternatives to the project. Explain how the project overcomes the insufficiencies of the other options that were considered.

There were no analyses of distribution alternatives, upgrading voltage or bundling of conductors of existing facilities, adding transformers, or distributed generation alternative options provided to SPS when SPP issued an NTC to SPS to construct the proposed 115 kV line. None of these alternatives will satisfy the STEP Study reliability requirements to address overloads and low voltage violations during contingency outages in the Amarillo metro service area.

16. Schematic or Diagram:

For a standard application, provide a schematic or diagram of the applicant's transmission system in the proximate area of the project. Show the location and voltage of existing transmission lines and substations, and the location of the construction. Locate any taps, ties, meter points, or other facilities involving other utilities on the system schematic.

Refer to Attachment 8.

17. Routing Study:

Provide a brief summary of the routing study that includes a description of the process of selecting the study area, identifying routing constraints, selecting potential line segments, and the selection of the routes. Provide a copy of the complete routing study conducted by the utility or consultant. State which route the applicant believes best addresses the requirements of PURA and P.U.C. Substantive Rules.

SPS has selected Alternative Route 1 as the route that best addresses the requirements of Public Utility Regulatory Act (PURA) and P.U.C. Substantive Rules.

Refer to Chapters 2 and 6 of Attachment 1, the Environmental Assessment (EA).

18. Public Meeting or Public Open House:

Provide the date and location for each public meeting or public open house that was held in accordance with P.U.C. PROC. R. 22.52. Provide a summary of each public meeting or public open house including the approximate number of attendants, and a copy of any survey provided to attendants and a summary of the responses received. For each public meeting or public open house provide a description of the method of notice, a copy of any notices, and the number of notices that were mailed and/or published.

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One open house meeting was held for this project. The meeting took place on April 7, 2011 at the Amarillo Civic Center between the hours of 5:00 and 8:00 p.m.

SPS mailed 114 individual written notices of the meeting to all owners of property within 300 feet of the centerline along the preliminary alternative route segments as delineated at the time of the public open house meeting. Additionally, agencies and other organizations were mailed written notice of the meeting.

Refer to Appendix C of the EA, Attachment 1, for a list of federal, state, and local agencies that received notice of the project, and Appendix D-1, for a sample copy of the notice letters sent to landowners regarding the open house meeting.

There was an announcement of the open house meeting published in the "Coming Events" section of the Amarillo Globe-News, which has circulation in Potter County.

A total of 16 people signed in at the open house meeting, 12 of which were landowners. All of the participants were encouraged to fill out a questionnaire and return it at the meeting or by mail at a later date. (A copy of the questionnaire is provided in Appendix D-2 of the EA, Attachment 1. A total of six questionnaires were completed and returned, along with one comment letter.

Please refer to Section 5.3.1 of the EA, Attachment 1, for a summary of the questionnaire responses.

19. Routing Maps:

Base maps should be a full scale (one inch = not more than one mile) highway map of the county or counties involved, or other maps of comparable scale denoting sufficient cultural and natural features to permit location of all routes in the field. Provide a map (or maps) showing the study area, routing constraints, and all routes or line segments that were considered prior to the selection of the routes. Identify the routes and any existing facilities to be interconnected or coordinated with the project. Identify any taps, ties, meter points, or other facilities involving other utilities on the routing map. Show all existing transmission facilities located in the study area. Include the locations of radio transmitters and other electronic installations, airstrips, irrigated pasture or cropland, parks and recreational areas, historical and archeological sites (subject to the instructions in Question 27), and any environmentally sensitive areas (subject to the instructions in Question 29).

Provide aerial photographs of the study area displaying the date that the photographs were taken or maps that show (1) the location of each route with each route segment identified, (2) the locations of all major public roads including, as a minimum, all federal and state roadways, (3) the locations of all known habitable structures or groups of habitable structures (see Question 19 below) on properties directly affected by any route, and (4) the boundaries (approximate or estimated according to best available information if required) of all properties directly affected by any route.

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For each route, cross-reference each habitable structure (or group of habitable structures) and directly affected property identified on the maps or photographs with a list of corresponding landowner names and addresses and indicate which route segment affects each structure/group or property.

Refer to Figure 5-1 of the EA, Attachment 1, for maps depicting the preliminary routes.

Refer to Figures 2-1 and 2-2 of the EA, Attachment 1, for maps depicting the alternative routes proposed in this project. In addition, Figures 2-3 through 2-9 of the EA, Attachment 1, depict each of the alternative routes individually. Also, refer to Table 4-3 in the EA for the habitable structures list.

20. Permits:

List any and all permits and/or approvals required by other governmental agencies for the construction of the proposed project. Indicate whether each permit has been obtained.

- A TxDOT Utility Installation Request will be submitted to the Texas Department of Transportation (TxDOT), and a permit obtained for any crossing of a state-maintained roadway prior to construction. State-maintained roadways crossed by the alternative routes include State Loop 335 and Broadway Drive/FM 2176. Permits will be obtained after the Commission has approved a route.
- A Texas Pollution Discharge Elimination System General Permit will be obtained upon determination of the requirement for any such permit once the Commission has approved a route.
- A Stormwater Pollution Prevention Plan is required for all projects, pursuant to the Texas Commission on Environmental Quality, and will be obtained after the Commission has approved a route.
- Building permits from the City of Amarillo are required for all aboveground structures. Control houses will be constructed at the proposed Rolling Hills Substation and the expanded Hastings Substation. Since both substations are located within the Amarillo city limits, building permits for these structures will be required. Permits will be obtained after the Commission has approved a route.
- No permits are expected to be needed from the U.S. Fish and Wildlife Service.
- Cultural resource clearance will be obtained from the Texas Historical Commission for the proposed project, if necessary. The Class I records search results were negative for the following searches: known cultural resources; properties listed on the National Register of Historic Places; designated state archaeological landmarks; and other recorded archaeological sites. Clearance will be obtained after the Commission has approved a route.

21. Habitable structures:

For each route list all single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, schools, or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis within 300 feet of the centerline if

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the proposed project will be constructed for operation at 230 kV or less, or within 500 feet of the centerline if the proposed project will be constructed for operation at greater than 230 kV. Provide a general description of each habitable structure and its distance from the centerline of the route. In cities, towns or rural subdivisions, houses can be identified in groups. Provide the number of habitable structures in each group and list the distance from the centerline of the route to the closest and the farthest habitable structure in the group. Locate all listed habitable structures or groups of structures on the routing map.

Table 4-2 in the EA (Attachment 1) identifies, by route, the total number of habitable structures located within 300 feet of the center line of each Alternative Route. Table 4-3 of the EA, Attachment 1, lists the habitable structures located within 300 feet of each proposed route segment. The habitable structures are detailed on the routing map (Figure 2-2 of the EA, Attachment 1).

22. Electronic Installations:

For each route, list all commercial AM radio transmitters located within 10,000 feet of the center line of the route, and all FM radio transmitters, microwave relay stations, or other similar electronic installations located within 2,000 of the center line of the route. Provide a general description of each installation and its distance from the center line of the route. Locate all listed installations on a routing map.

Each structure is located on Figure 2-2 in the EA, Attachment 1, and corresponds to the list of structures in the map legend and in Table 3-5 in the EA.

23. Airstrips:

For each route, list all known private airstrips within 10,000 feet of the center line of the project. List all airports registered with the Federal Aviation Administration (FAA) with at least one runway more than 3,200 feet in length that are located within 20,000 feet of the center line of any route. For each such airport, indicate whether any transmission structures will exceed a 100:1 horizontal slope (one foot in height for each 100 feet in distance) from the closest point of the closest runway. List all listed airports registered with the FAA having no runway more than 3,200 feet in length that are located within 10,000 feet of the center line of any route. For each such airport, indicate whether any transmission structures will exceed a 50:1 horizontal slope from the closest point of the closest runway. List all heliports located within 5,000 feet of the center line of any route. For each such heliport, indicate whether any transmission structures will exceed a 25:1 horizontal slope from the closest point of the closest landing and takeoff area of the heliport. Provide a general description of each listed private airstrip, registered airport, and heliport; and state the distance of each from the center line of each route. Locate and identify all listed airstrips, airports, and heliports on a routing map

There are no known private airstrips within 10,000 feet of the centerline of any of the seven alternative routes and no FAA-registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of the centerline of any of the seven alternative routes. There are no FAA-registered airports having a runway more than 3,200 feet in length within 10,000 feet from the centerline of any of the seven alternative routes. There are no heliports located within 5,000 feet of the centerline of any of the seven alternative routes.

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24. Irrigation Systems:

For each route identify any pasture or cropland irrigated by traveling irrigation systems (rolling or pivot type) that will be traversed by the route. Provide a description of the irrigated land and state how it will be affected by each route (number and type of structures etc.). Locate any such irrigated pasture or cropland on a routing map.

There are no pivot or rolling irrigation systems in the project study area.

25. Notice:

Notice is to be provided in accordance with P.U.C. PROC. R. 22.52.

- A. *Provide a copy of the written direct notice to owners of directly affected land. Attach a list of the names and addresses of the owners of directly affected land receiving notice.*

Refer to Attachment 9 for: (1) a sample copy of the notice letter, (2) the segment descriptions; PUCT Landowner Brochure, Comments Form, and Intervenor Form; and landowner bill of rights, all of which were included with each notice packet, and (3) the list of landowners to whom notice was sent. Also, refer to Figure 2-2 in Attachment 1, the EA, for the map that was included with each notice packet.

- B. *Provide a copy of the written notice to utilities that are located within five miles of the routes.*

There are no other utilities located within five miles of the proposed transmission line.

- C. *Provide a copy of the written notice to county and municipal authorities.*

Refer to Attachment 10 for a sample copy of the notice letters. Refer to Attachment 9 for a copy of the segment descriptions that were included with each notice packet. Also, refer to Figure 2-2 in Attachment 1, the EA, for the map included with each notice.

- D. *Provide a copy of the notice that is to be published in newspapers of general circulation in the counties in which the facilities are to be constructed. Attach a list of the newspapers that will publish the notice for this application. After the notice is published, provide the publisher's affidavits and tear sheets.*

Refer to Attachment 11 for a copy of the newspaper notice and the list denoting the newspaper that will publish the notice.

For a CREZ application, in addition to the requirements of P.U.C. PROC. R. 22.52 the applicant shall, not less than twenty-one (21) days before the filing of the application, submit to the Commission staff a "generic" copy of each type of alternative published and written notice for review. Staff's comments, if any, regarding the alternative notices will be provided to the applicant not later than seven days after receipt by Staff of the alternative notice. Applicant may

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take into consideration any comments made by Commission staff before the notices are published or sent by mail.

Not applicable.

26. Parks and Recreation Areas:

For each route, list all parks and recreational areas owned by a governmental body or an organized group, club, or church and located within 1,000 feet of the center line of the route. Provide a general description of each area and its distance from the center line. Identify the owner of the park or recreational area (public agency, church, club, etc.). List the sources used to identify the parks and recreational areas. Locate the listed sites on a routing map.

The only recreational facility located within 1,000 feet of the alternative route centerlines applies to all seven routes. Each of the seven alternative routes terminates at the Hastings Substation which requires using segment E or K. A description of that facility is given below.

Alternative Route 1: The centerline of the termination point of Segment E is 440 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 2: The centerline of the termination point of Segment E is 440 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 3: The centerline of the termination point of Segment E is 440 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 4: The centerline of the termination point of Segment K is 692 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 5: The centerline of the termination point of Segment K is 692 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 6: The centerline of the termination point of Segment K is 692 feet from the Ross Rogers Municipal Golf Complex.

Alternative Route 7: The centerline of the termination point of Segment E is 440 feet from the Ross Rogers Municipal Golf Complex.

A golf complex, municipal parks, and other recreational facilities are located southeast of the Hastings Substation and termination points of Segments E and K. The closest point of the recreation area occurs at a distance of between 440 and 692 feet from Segments E and K, respectively, where the very northwest corner of the golf course extends. The Ross Rogers Municipal Golf Complex owned by the City of Amarillo, located south of Hastings Avenue and east of Broadway Drive, features two 18-hole regulation courses, including water hazards, on 300 acres (field verified on March 14, 2011 and obtained from website: https://www.amarilloparks.org/reserveezpublic/Pub_TempGolf.aspx?FacilityTypeID=101&Mode=0 on May 2, 2011). The Wildhorse Course occupies the west half of the complex; the Old Course occupies the east half. The Thompson Memorial Park (330 acres), Wonderland

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Amusement Park, and Amarillo City Zoo, all owned by the City of Amarillo, are located adjacent to the east side of the golf complex; all three of these facilities are located more than 1,000 feet from the substation and route segments. There are no other parks or other developed recreation facilities within proximity (1,000 feet) of the project study area.

27. Historical and Archeological Sites:

For each route, list all historical and archeological sites known to be within 1,000 feet of the center line of the route. Include a description of each site and its distance from the center line. List the sources (national, state or local commission or societies) used to identify the sites. Locate all historical sites on a routing map. For the protection of the sites, archeological sites need not be shown on maps.

SPS contracted with AECOM to identify any possible historical or archeological sites within 1,000 feet of the centerline of the proposed project. Based on AECOM's investigation, no historical or archeological sites were documented within 1,000 feet of the centerline of the proposed project. (Cultural Resources Class I Records Search, May 8, 2011, Antiquities Planning & Consulting.)

Refer to Appendix B of the EA, Attachment 1, for the Class I results letter.

28. Coastal Management Program:

For each route, indicate whether the route is located, either in whole or in part, within the coastal management program boundary as defined in 31 T.A.C. §503.1. If any route is, either in whole or in part, within the coastal management program boundary, indicate whether any part of the route is seaward of the Coastal Facilities Designation Line as defined in 31 T.A.C. §19.2(a)(21). Using the designations in 31 T.A.C. §501.3(b), identify the type(s) of Coastal Natural Resource Area(s) impacted by any part of the route and/or facilities.

None of the routes are located within the coastal management program boundary as defined in 31 T.A.C. 503.1.e.

29. Environmental Impact:

Provide copies of any and all environmental impact studies and/or assessments of the project. If no formal study was conducted for this project, explain how the routing and construction of this project will impact the environment. List the sources used to identify the existence or absence of sensitive environmental areas. Locate any environmentally sensitive areas on a routing map. In some instances, the location of the environmentally sensitive areas or the location of protected or endangered species should not be included on maps to ensure preservation of the areas or species.

Refer to the Alternative Routing Study and Environmental Assessment for the Rolling Hills Substation to Hastings Substation 115 kV Transmission Line Project labeled as Attachment 1.

Within seven days after filing the application for the project, provide a copy of each environmental impact study and/or assessment to the Texas Parks and Wildlife Department (TPWD) for its review at the address below. Include with this application a copy of the letter of transmittal with which the studies/assessments were or will be sent to the TPWD.

*Wildlife Habitat Assessment Program
Wildlife Division
Texas Parks and Wildlife Department*

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*4200 Smith School Road
Austin, Texas 78744*

The applicant shall file an affidavit confirming that the letter of transmittal and studies/assessments were sent to TPWD.

A copy of the application, including the EA, Attachment 1, was sent to Texas Parks and Wildlife Department on the day of the filing of this application. Refer to Attachment 12 for a copy of the letter.

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AFFIDAVIT

STATE OF TEXAS

COUNTY OF POTTER

I, James M. Bagley, after first being duly sworn state the following: I am filing this application as Manager, Regulatory Administration. I am qualified and authorized to file and verify this application, and am personally familiar with the information supplied in this application; and to the best of my knowledge, all information provided, statements made, and matters set forth in this application and attachments are true and correct; and all requirements for the filing of this application have been satisfied. I further state that this application is made in good faith and that this application does not duplicate any filing presently before the commission.

AFFIANT _____
James M. Bagley

SUBSCRIBED AND SWORN TO BEFORE ME, a Notary Public in and for the state of Texas, this _____ day of June 2011.

SEAL

Notary Public

My Commission Expires: _____