

**Standard Application for a Certificate of Convenience and Necessity for a
Proposed Transmission Line
and
Application for a Certificate of Convenience and Necessity for a Proposed Transmission Line Pursuant To
16 TAC §25.174**

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

DOCKET NO. 59475

Submit seven (7) copies of the application and all attachments supporting the application. If the application is being filed pursuant to 16 Tex. Admin. Code §25.101(b)(3)(D) (TAC) or 16 TAC §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**

March 26, 2026

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Note: As used herein, the term “joint application” refers to an application for proposed transmission facilities for which ownership will be divided. All applications for such facilities should be filed jointly by the proposed owners of the facilities.

1. Applicant (Utility) Name:

For joint applications, provide all information for each applicant.

Applicant (Utility) Name: Oncor Electric Delivery Company LLC (“Oncor”)

Certificate Number: 30043

Street Address: 1616 Woodall Rodgers Freeway

Dallas, Texas 75202

Mailing Address: 1616 Woodall Rodgers Freeway

Dallas, Texas 75202-1234

Applicant (Utility) Name: LCRA Transmission Services Corporation (“LCRA TSC”)

Certificate Number: 30110

Street Address: 3505 Montopolis Drive

Austin, Texas 78744

Mailing Address: P.O. Box 220

Austin, Texas 78767-0220

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.

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Oncor and LCRA TSC (“Applicants”) will each hold a 50% divided ownership interest in the Bell County East Switch – Big Hill Substation 765 kilovolt (“kV”) Transmission Line Project (the “Proposed Transmission Line Project”).

3. Person to Contact: Jeremy McConnell
Title/Position: Regulatory Manager II
Phone Number: (214) 486-5216
Mailing Address: 1616 Woodall Rodgers Fwy, Suite 6A-015
Dallas, Texas 75202-1234
Email Address: Jeremy.McConnell@oncor.com

Person to Contact: Kelly Wells
Title/Position: Regulatory Case Manager Lead
Phone Number: (512) 730-6803
Mailing Address: P.O. Box 220, Mail Stop DSC D140
Austin, Texas 78760-0220
Email Address: Kelly.Wells@lcra.org

3a. Alternate Contact: Thomas Yamin
Title/Position: Director of Regulatory, Transmission & Planning
Phone Number: (214) 486-3512
Mailing Address: 1616 Woodall Rodgers Fwy, Suite 6B-005
Dallas, Texas 75202
Email Address: Thomas.Yamin@oncor.com

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3b. Legal Counsel – Oncor: Jaren A. Taylor

Jared M. Jones

Phone Number: (214) 220-7754

Mailing Address: Vinson & Elkins LLP

Trammell Crow Center

2001 Ross Avenue, Suite 3900

Dallas, Texas 75201

Email Address: jarentaylor@velaw.com

jjones@velaw.com

Legal Counsel – LCRA TSC:

Kirk Rasmussen

Catherine E. Garza

Heath D. Armstrong

Phone Number: (512) 236-2200

Mailing Address: Jackson Walker, LLP

100 Congress Avenue, Suite 1100

Austin, Texas 78701

Email Address: krasmussen@jw.com

cegarza@jw.com

harmstrong@jw.com

Please contact Jaren Taylor or Kirk Rasmussen with any inquiries regarding the project.

4. Project Description:

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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.

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.).

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.

Name or Designation of Project: Bell County East Switch – Big Hill
Substation 765 kV Transmission Line
Project

Design Voltage Rating (kV): 765 kV

Operating Voltage Rating (kV): 765 kV

Normal Peak Operating Current (A): 5,382 A

The Proposed Transmission Line Project is a new 765 kV single-circuit transmission line between the 765/345 kV expansion at Oncor’s existing Bell County East Switch, located 5.5 miles southeast of the City of Temple in Bell County, Texas, and the 765/345 kV expansion of LCRA TSC’s existing Big Hill 345 kV Substation, located 13 miles northeast of the City of Eldorado in Schleicher County, Texas.

Applicants plan to each construct, own and operate 50% of the Proposed Transmission Line Project in accordance with PURA § 37.056(e). Prior to final approval, Applicants will identify the approximate midway point of the approved route for a division of

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ownership between Oncor and LCRA TSC that will generally divide the line in two even parts. Applicants have agreed that each party will be responsible for their respective portions of the Proposed Transmission Line Project (i.e. design, right-of-way (“ROW”) acquisition, material procurement, construction, etc.) with coordination of these activities between the two parties.

The Proposed Transmission Line Project consists of (1) a new Bell County East Switch – Big Hill Substation 765 kV single-circuit transmission line on steel lattice tower structures; (2) an expansion of Oncor’s existing Bell County East Switch to include a 765/345 kV station; and (3) telecommunication facilities (including necessary fiber repeater huts) that are critical to the reliable operation of the Proposed Transmission Line Project. The expansion of LCRA TSC’s Big Hill Substation to include a 765/345 kV station has been previously addressed in PUC Docket No. 59182.

The Permian Basin Reliability Plan recommended a conductor with normal and emergency ratings of at least 7,602 MVA, but the capacity of the Proposed Transmission Line Project is limited by terminal equipment at the station endpoints. Rather than install a higher-cost conductor to nominally achieve 7,602 MVA, both Applicants selected the six-bundled 795 kcmil Aluminum Conductor Steel Reinforced Wire (“ACSR”), described in more detail below, to cost-effectively utilize the full capacity of the station terminals.

The length of the Proposed Transmission Line Project is approximately 214 to 244 miles, depending on the route selected by the Commission.

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The estimated costs for the Proposed Transmission Line Project range from approximately \$1,636,232,000 to \$1,857,786,000, excluding \$395,468,000 in station costs for work at Oncor's Bell County East Switch.

5. Conductor and Structures:

Conductor Size and Type:	Bundled 795 kcmil ACSR
Number of conductors per phase:	6
Continuous Summer Static Current Rating (A):	5,382 A (Oncor) 5,628 A (LCRA TSC)
Continuous Summer Static Line Capacity at Operating Voltage (MVA):	7,131 MVA (Oncor) 7,457 MVA (LCRA TSC)
Continuous Summer Static Line Capacity at Design Voltage (MVA):	7,131 MVA (Oncor) 7,457 MVA (LCRA TSC)
Type and composition of Structures:	Single-Circuit Steel Lattice Towers
Height of Typical Structures:	155-160 feet* (Oncor) 140-170 feet* (LCRA TSC)
Estimated Maximum Height of Structures:	198 feet*

* This number reflects the approximate visible height of the structure from ground to structure top, which may vary depending on terrain and other engineering constraints such as crossing existing transmission lines.

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Explain why these structures were selected; include such factors as landowner preference, engineering considerations, and costs comparisons to alternate structures that were considered.

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

Coupled with their respective long-standing experience in building and operating high voltage electric transmission facilities in ERCOT, Oncor and LCRA TSC evaluated 765 kV transmission lines in operation around the United States and determined that steel lattice towers are the appropriate structure for the Proposed Transmission Line Project for numerous reasons, including technical specifications, nominal distance between structures (*i.e.*, span length), costs, ROW requirements, and other engineering-related reasons. As such, the Applicants selected single-circuit 765 kV self-supporting steel lattice towers for the Proposed Transmission Line Project.

Provide dimensional drawings of the typical structures to be used in the project.

A dimensional drawing of the typical 765 kV tangent structure is shown in Figure 1-2, of the *Environmental Assessment and Alternative Route Analysis for the Proposed Bell County East Switch – Big Hill Substation 765 kV Transmission Line Project in Bell, Burnet, Concho, Coryell, Lampasas, Llano, Mason, McCulloch, Menard, Milam, Mills, San Saba, Schleicher, Tom Green, and Williamson Counties, Texas* (“Environmental Assessment and Routing Study”), prepared by Kimley-Horn and Associates, Inc. (“Kimley-Horn”) and Half Associates, Inc. (“Half”), and included as Attachment No. 1.

Design criteria will comply with applicable statutes, the appropriate edition of the National Electrical Safety Code (“NESC”), and Applicants’ standard design practices.

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The study area lies within the North Central Plains, Principal Edwards Plateau, Central Texas Uplift, and Gulf Coastal Prairies Blackland Prairies physiographic regions of Texas. The North Central Plains region is characterized by a topography of low north-south ridges, called *cuestas*, with bedrock primarily composed of limestones, sandstones, and shales. The elevation within the North Central Plains region ranges from 900 to 3,000 feet above mean sea level (“amsl”). The Principal Edwards Plateau region ranges from 450 to 3,000 feet amsl. The topography of the Edwards Plateau region is typically associated with a flat upper surface with box canyons composed of limestone and dolomite. The Central Texas Uplift region ranges in elevation from 800 to 2,000 feet amsl and the typical components of bedrock are granites, metamorphic rock types, or shales. The Gulf Coastal Prairies Blackland Prairies region is characterized by a topography of low rolling terrain with bedrock primarily composed of chalks and marls. The elevation of the Gulf Coastal Prairies Blackland Prairies region ranges from 450 to 1,250 feet amsl.

The study area comprises a diverse range of land uses, each of which are influenced by the equal mix of terrain, waterways, and vegetation. The eastern portion of the study area is a blend of prairies, rugged hills, and major waterways. South of the proposed Bell County East Switch and east of the IH 35 corridor, aerial photography and roadside viewsheds show the influence of agriculture as grassland pasture and cropland. Woody vegetation at this scale is typically associated with the floodplains of major drainages and fencerows. IH 35 and the City of Salado correlate with the transition from these flatter plains to the more rolling and rugged terrain generally associated with the Texas “Hill

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Country.” Stillhouse Hollow Lake and the Lampasas River floodplain serve as a scenic transition from the urban centers of the Killeen-Belton-Temple complex, (including Fort Hood), to what is a growing community of ranchette-sized properties to the south. Approaching the Colorado River, the aesthetic is further shaped by the topography of the river, its tributaries, and Lake Buchanan. County seats are the major population centers at the intersections of state highway networks yet maintain more rural identities compared to communities along the IH 35 corridor.

The central portion of the study area provides similarly diverse views. San Saba and McCulloch counties may be described as a more cultivated aesthetic compared to the more dramatic geology of neighboring Llano and Mason counties. Native vegetation that is not subject to improved agriculture is often dense and unmaintained, featuring differing combinations of mesquite, Ashe juniper, and live oak. The San Saba River influences the aesthetics in this region as well, supporting numerous pecan orchards and other crops that are readily visible from public roadways. Further west, the agricultural aesthetic is maintained by an abundance of ranches, farms, pivot irrigation, and working windmills.

The western portion of the study area reflects the Edwards Plateau and its more arid climate shaped by large-scale ranching. The San Saba River remains a prominent scenic element as it crosses this portion of the study area, supporting larger trees along its riparian corridor compared to the adjacent upland shrub habitats. As with many of the more remote parts of the study area, population centers consist of county seats and other

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unincorporated communities where the aesthetic (e.g. architecture, land use) reflects the ranching history of the region.

Specific discussion regarding natural, human, and cultural resources in the study area is set forth in Sections 3.1 through 3.8, pages 3-1 through 3-111, of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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.

Oncor's Bell County East Switch

LCRA TSC's Big Hill Substation

The estimated costs associated with the expansion of Oncor's Bell County East Switch total \$395,468,000. LCRA TSC's Big Hill Substation is also being expanded to accommodate the Proposed Transmission Line Project. The Big Hill Substation expansion costs are not included in this application because the total estimated cost for the Big Hill expansion was included in the Big Hill to Sand Lake 765 kV Transmission Line Project, PUC Docket No. 59182. Therefore, the total estimated station costs associated with the Proposed Transmission Line Project are \$395,468,000 (see additional details in response to Question No. 13).

Oncor's Bell County East Switch

Oncor's Bell County East 765 kV switchyard will be constructed on fee-owned property in close proximity to Oncor's existing 345 kV switchyard in Temple, Texas.

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The planned dimensions of the 765 kV switchyard at Bell County East Switch are approximately 1,860 feet by 1,750 feet. As part of the Proposed Transmission Line Project, the Bell County East 765 kV switchyard will be initially installed as a six-breaker, 765 kV double-breaker, double-bus arrangement with two 2,250-MVA, 765/345 kV autotransformer banks. Six single-phase 765/345 kV autotransformers will be configured to operate as two three-phase 765/345 kV autotransformers, and two single-phase autotransformers will be designated as spares, one per bank. These autotransformers will connect to two proposed 345 kV terminals in the existing 345 kV switchyard. Shunt reactive equipment will be installed on the 765 kV line terminals. In order to connect the 345 kV and 765 kV stations, two tie lines will be constructed between the stations.

Ultimately, the 765 kV switchyard can be expanded to accommodate additional 765 kV terminals in a 12-breaker, 765 kV double-breaker double-bus arrangement with space for additional shunt reactive equipment. Relay panels, a supervisory control and data acquisition (SCADA) system, and controls for the 765 kV switchyard equipment will be housed in a dedicated control center.

The dimensions and additional details regarding the layout of the Bell County East 765 kV switchyard are provided in Attachment No. 2.

LCRA TSC's Big Hill Substation

LCRA TSC's Big Hill 765/345 kV expansion will be designed and constructed in conjunction with the planned Sand Lake Switch – Big Hill Substation 765 kV

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transmission line project, as described in PUC Docket No. 59182. The dimensions and additional details regarding the layouts of the Big Hill Substation were provided in the application materials filed in PUC Docket No. 59182.

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.

Not Applicable.

8. Estimated Schedule:

<u>Estimated Dates of:</u>	<u>Start</u>*	<u>Completion</u>*
Right-of-way and Land Acquisition **	09/2026	09/2027 (Oncor) 08/2028 (LCRA TSC)
Engineering and Design	09/2026	07/2028 (Oncor) 11/2028 (LCRA TSC)
Material and Equipment Procurement	09/2026 (Oncor) 10/2026 (LCRA TSC)	05/2030 (Oncor) 03/2029 (LCRA TSC)
Construction of Facilities	01/2028 (Oncor) 08/2028 (LCRA TSC)	12/2030
Energize Facilities	-	12/2030

* Estimated schedule is based on a 180-day CCN process and numerous other factors. The estimated construction schedule should not in any way be considered a representation, promise, or guarantee.

** One or both Applicants may commence ROW discussions with landowners during the pendency of this proceeding.

9. Counties:

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

A list of all counties in which the proposed alternative routes may be constructed is included in Attachment No. 3.

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10. Municipalities:

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

The following table lists municipalities in which portions of the proposed alternative routes are located:

City / Figure Number	Link	Routes
Belton (Figure 3-1A)	E11	389, 391, 392, 399, 402, 453, 462, 469, 479, 524, 527, 528, 529, 530, 535, 537, 539, 543, 546, 547, 548, 551, 557, 588, 589, 592, 623, 625, 628, 629, 631, 643, 645, 647, 648, 650, 651, 668, 729, 767, 771, 831, 837, 900, 901, 902, 904, 905, 906, 907, 1031, 1041, 1055, 1076, 1131, 1241, 1242, 1243, 1245
	E12	389, 391, 392, 453, 469, 524, 527, 528, 529, 530, 543, 546, 547, 548, 551, 588, 589, 623, 628, 629, 643, 647, 651, 668, 729, 767, 771, 831, 837, 900, 901, 902, 904, 1031, 1055, 1076, 1131, 1241, 1242, 1245
Jarrell (Figure 3-1A, 3-1B)	F01	74, 106, 107
	F43	322, 366, 910, 911, 913, 914, 915, 916, 1162, 1164
Little River Academy (Figure 3-1A)	A6	588, 589, 592, 623, 625, 628, 629, 631, 643, 645, 647, 648, 650, 651, 668, 706, 729, 739, 831, 837, 1055, 1203, 1217, 1219, 1241, 1242, 1243, 1245
	C1	588, 589, 592, 623, 625, 628, 629, 631, 643, 645, 647, 648, 650, 651, 668, 706, 729, 739, 767, 771, 831, 837, 910, 911, 913, 914, 915, 916, 1055,

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City / Figure Number	Link	Routes
		1203, 1217, 1219, 1241, 1242, 1243, 1245
Temple (Figure 3-1A)	A42	767, 771, 910, 911, 913, 914, 915, 916

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.

To the extent necessary or applicable, evidence of consent for service in these areas is publicly available and was previously filed in PUCT Docket Numbers 7, 52, and 59.

11. Affected Utilities:

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

No other electric utility will be served by or connected to the Proposed Transmission Line Project other than the Applicants.

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.

No other electric utility will be involved in the construction of the Proposed Transmission Line Project other than the Applicants. No other utilities' existing facilities will be utilized other than the Applicants' facilities.

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.

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Oncor proposes to finance the facilities included in the Proposed Transmission Line Project with a combination of debt and equity in compliance with its authorized capital structure, which is similar to the means used for previous construction projects. Oncor plans to utilize internally generated funds (equity) and proceeds received from the issuance of securities. Oncor will typically obtain short-term borrowings as needed for interim financing of its construction expenditures in excess of funds generated internally. These borrowings are then repaid through the issuance of long-term debt securities, the type and amount of which are as of yet undetermined.

LCRA TSC will finance its portion of the Proposed Transmission Line Project in a similar manner to the approach that has been used for projects previously constructed by LCRA TSC. Financing may include a combination of tax-exempt commercial paper, tax-exempt private revolving note, or taxable commercial paper, and, subsequent to project completion, fixed-rate debt. Interest on the debt may be capitalized until the Project is in service, at which point it is intended that both the principal and interest will be serviced with Transmission Cost of Service revenues.

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.

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	Transmission Line Facilities ¹	Substation Facilities	
		Oncor Bell County East Switch ²	LCRA TSC Big Hill Substation ³
Right-of-way and Land Acquisition	*	\$7,540,000	-
Engineering and Design (Utility)	*	\$5,158,000	-
Engineering and Design (Contract)	*	\$6,224,000	-
Procurement of Material and Equipment (including stores)	*	\$227,842,000	-
Construction of Facilities (Utility)	*	-	-
Construction of Facilities (Contract)	*	\$148,704,000	-
Other (all costs not included in the above categories)	*	-	-
Estimated Total Cost⁴	*	\$395,468,000	-

¹ Refer to Attachment No. 4 for cost estimates for each alternative route presented in this Application.

² Cost estimates concerning the expansion of Oncor’s Bell County East Switch include the 765 kV station expansion and tie lines from the 765 kV station facilities into the existing 345 kV switchyard, as outlined in the response to Question No. 7 above.

³ LCRA TSC’s Estimated Total Cost for the Big Hill 765 kV expansion is provided in PUC Docket No. 59182 and includes the total cost to construct Permian Basin Reliability Plan Project 765 Import 2B (the Big Hill Substation 765 kV expansion) and will accommodate both 765 Import 2D (the proposed transmission line in this docket) and 765 Import 2E (subject of PUC Docket No. 59182).

⁴ Estimated costs are based on Oncor’s and LCRA TSC’s historical costs, as well as coordination with suppliers, contractors, other vendors, and do not include escalation for existing or future tariffs/import duties that may be levied on project materials, equipment, or supplies.

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

Not applicable.

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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.

In 2023, the 88th Texas Legislature enacted House Bill (“H.B.”) 5066, which required the Commission to direct ERCOT to develop a reliability plan for the Permian Basin region to accomplish the following objectives: (1) extend transmission service to areas where mineral resources have been found; (2) increase available transmission capacity to meet forecasted load; and (3) provide available infrastructure to reduce interconnection times in areas without access to transmission service. In accordance with this legislative mandate, the Commission ordered ERCOT to develop and file a Permian Basin reliability plan for the Commission’s consideration.

Over the next seven months, ERCOT hosted stakeholder workshops and engaged with transmission service providers (“TSPs”), Commission Staff, and other interested parties to identify the reliability needs and transmission system improvements necessary to reliably serve the Permian Basin. On July 25, 2024, ERCOT filed the Permian Basin Reliability Plan Study with the Commission. ERCOT then filed an addendum on

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September 11, 2025 (together, the “Permian Basin Reliability Plan”). A copy of the Permian Basin Reliability Plan is included as Attachment No. 5.

The Permian Basin Reliability Plan concluded that the Permian Basin region lacks the necessary transmission infrastructure to reliably serve the projected demand. The tables below show the 5-year historical and forecasted load for the Permian Basin region.

YEAR	2020	2021	2022	2023	2024
LOAD (MW)	4,834	5,119	5,699	6,476	8,491

Table 1: Permian Basin 5-Year Historical Load

YEAR	2025	2026	2027	2028	2029
LOAD (MW)	10,148	11,132	11,609	12,007	12,240

Table 2: Permian Basin 5-Year Projected Load

Looking beyond the 5-year forecast, the Permian Basin Reliability Plan combined forecasts for oil and gas load and non-oil and gas load to forecast the total projected demand in the Permian Basin in 2030 and 2038. For oil and gas load, ERCOT used a 2022 load forecast developed by S&P Global. ERCOT then incorporated demand projections provided by transmission and distribution service providers, including Oncor and LCRA TSC, for the projected non-oil and gas demand. Using this combined data, ERCOT concluded that electric demand in the Permian Basin will reach 23,659 MW in 2030, and 26,400 MW in 2038. The following table shows the projected load growth in the Permian Basin for 2030 and 2038, as reported by ERCOT in the Permian Basin Reliability Plan.

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	2023 RTP Study 2029 Case	Permian Basin Reliability Plan 2030 Case	Permian Basin Reliability Plan 2038 Case
Permian Basin Total Load (MW)	16,577	23,659	26,400
Permian Basin Oil & Gas Load (MW)	12,341	11,964	14,705
Additional Non-oil & Gas Load (MW)	4,236	11,695	11,695

Table 3: Permian Basin Reliability Plan 2030 and 2038 Load Projections

The Permian Basin Reliability Plan details ERCOT’s reliability assessment of potential transmission improvements, including the Proposed Transmission Line Project, based on North American Electric Reliability Corporation (“NERC”) Reliability Standard TPL-001-5.1, the ERCOT Planning Guide, and the ERCOT Nodal Protocols. As part of this assessment, ERCOT first updated the transmission topology in the region to include planned generation, transmission, and load additions and then performed steady-state and dynamic studies, simulating the following contingencies:

- P0 (system intact);
- P1, P2-1, and P7 (N-1 conditions);
- P2-2, P2-3, P4, and P5 (extra high voltage only);
- P3 (G-1 + N-1 (select G-1 generation outages)); and
- P6-2 (X-1 + N-1 (select 345/138 kV transformers only)).
- Maintenance outage scenario for select 345-kV level transmission outages.

ERCOT observed thermal and voltage criteria violations, voltage instability, and unsolved power flow in both the 2030 and 2038 base cases under N-0 (system intact) conditions, which strongly indicated the need for new transmission infrastructure. To identify the local upgrades necessary to serve existing and forecasted load in the Permian

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Basin, ERCOT added area loads incrementally, identified the upgrades needed to mitigate local reliability criteria violations, then repeated the process in other areas. After all loads were included in the study cases, ERCOT re-evaluated the identified transmission upgrades to verify the need for the identified upgrade alternatives.

ERCOT's evaluation determined that (1) significant local upgrades are needed to serve existing and forecasted load in the Permian Basin and (2) significant regional upgrades are needed to facilitate bulk power transfer to reliably serve the Permian Basin region. Thus, the Permian Basin Reliability Plan divided the identified system upgrades into two categories of projects that are needed to meet the objectives of H.B. 5066. As ERCOT explained in the Permian Basin Reliability Plan, the first category is local projects, which satisfy the H.B. 5066 requirements to "extend transmission service to areas where mineral resources have been found" and "provide available infrastructure to reduce interconnection times in areas without access to transmission service." The second category is import path projects, which satisfy the H.B. 5066 requirement to "increase available capacity to meet forecasted load." ERCOT concluded that multiple import paths are needed to reliably serve the projected load growth and offered alternative 765 kV, 500 kV, and 345 kV import path options for the Commission's consideration. On October 5, 2024, the Commission approved the Permian Basin Reliability Plan but deferred a decision on the voltage class for the import path projects in its Order Approving the Reliability Plan for the Permian Basin Region, in Project No. 55718. A copy of that order is included as Attachment No. 6.

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The Commission's order approving the Permian Basin Reliability Plan authorized the applicable TSPs to begin preparing CCN applications for the import paths and local projects. After the Commission approved the Permian Basin Reliability Plan, Commission Staff hosted a public workshop, propounded requests for information, and solicited additional feedback from ERCOT and other stakeholders to assist in the Commission's selection of an import path voltage option. On April 24, 2025, the Commission issued its Second Order Approving the Reliability Plan for the Permian Basin Region, which approved the 765 kV import paths and authorized the applicable TSPs to file CCN applications for the necessary 765 kV import path projects, as identified by ERCOT. A copy of that order is included as Attachment No. 7. That same day, the Commission issued an order in Docket No. 57441, which assigned Oncor and LCRA TSC joint responsibility for the construction, ownership, and operation of the 765 kV Import Path 2 projects. A copy of that order is included as Attachment No. 8.

The Permian Basin Reliability Plan defined each of the three 765 kV import paths that are needed to increase the transmission capacity available to the Permian Basin. Import Path 2 extends from Oncor's existing Sand Lake Switch in Ward County to LCRA TSC's existing Big Hill Substation in Schleicher County to Oncor's existing Bell County East Switch in Bell County. The Proposed Transmission Line Project is the eastern segment of Import Path 2 and consists of (1) a new 765 kV single-circuit transmission line between LCRA TSC's Big Hill Substation and Oncor's Bell County East Switch, and (2) an

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expansion of Oncor’s existing Bell County East Switch to include a 765/345 kV station.

In conjunction with the other components of the Permian Basin Reliability Plan, the Proposed Transmission Line Project will improve bi-directional power flow on the ERCOT transmission system, increase the reliability and resilience of the system, support import capability into the Permian Basin region, address reliability issues driven by rapid load growth, and support the ability of local transmission networks to serve new loads.

ERCOT’s study process resulting in the Permian Basin Reliability Plan included substantial engagement with the Commission, TSPs, and other stakeholders. The Commission’s Order Approving the Reliability Plan for the Permian Basin Region, included as Attachment No. 6, declares that “the common local projects and import paths approved in this Order do not require additional ERCOT RPG review before a CCN application may be filed by the applicable TSPs.” Therefore, the Applicants did not independently submit the Proposed Transmission Line Project to ERCOT’s Regional Planning Group.

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.

The Proposed Transmission Line Project is one half of the 765 kV import path identified in the Permian Basin Reliability Plan as Import Path 2. The projects recommended in the Permian Basin Reliability Plan were the result of months of engagement between ERCOT, the Commission, TSPs, and other stakeholders. Through this process, ERCOT

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evaluated alternatives and identified the specific transmission system improvements that are needed to reliably serve the Permian Basin region. The Commission approved the Permian Basin Reliability Plan and exempted the approved projects from further RPG review.

In addition to ERCOT's evaluation of alternatives, the Commission evaluated the three alternative import path options and approved the 765 kV option, which includes the Proposed Transmission Line Project. The Commission's evaluation incorporated information received through a public workshop, formal requests for information, and other input from various stakeholders and industry experts regarding the carrying capacity, estimated costs, engineering, procurement, and construction of the 765 kV alternative relative to the 345 kV and 500 kV options presented in the Permian Basin Reliability Plan. Based on the information considered and evaluated, the Commission approved the 765 kV option and ordered the applicable TSPs to file CCN applications for the identified 765 kV import projects. The Commission assigned Oncor and LCRA TSC joint responsibility for constructing, operating, and maintaining the Proposed Transmission Line Project; therefore, the Applicants did not independently evaluate alternatives.

Distribution alternatives would not satisfy the need for the Proposed Transmission Line Project because they cannot establish additional import capacity on the transmission system, resolve the identified reliability issues on the transmission system, or allow for the interconnection of new loads at transmission-level voltage. Adding transformers,

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upgrading voltages, or bundling conductors for existing facilities would also fail to satisfy the need for the Proposed Transmission Line Project.

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.

A schematic of the transmission system in the proximate area of the Proposed Transmission Line Project is shown in Attachment No. 9. The location and voltage of existing transmission lines, substations, taps, ties, meter points, and other facilities involving electric utilities in relation to the Proposed Transmission Line Project are included in the map provided as Attachment No. 10. A map outlining the study area can be found in Figures 3-1A through 3-1I, Map Insets Pages 1 through 6, and Airport Map Insets Pages 1 through 3 (collectively, "Figure 3-1") in the Appendix G map pockets of the Environmental Assessment and Routing Study included as Attachment No. 1.

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.

The Applicants retained Kimley-Horn and Halff to prepare the Environmental Assessment and Routing Study. The objective of the Environmental Assessment and Routing Study was to provide information in support of this Application in addressing the requirements of PURA § 37.056(c)(4)(A)-(D) of the Texas Utilities Code, the

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Commission's CCN Application form, and 16 TAC § 25.101 as they apply to the Proposed Transmission Line Project, and other applicable requirements.

By examining existing environmental conditions, including the human and natural resources that are located in the study area, the Environmental Assessment and Routing Study appraises the environmental effects of construction, operation, and maintenance of the Proposed Transmission Line Project. The Environmental Assessment and Routing Study may also be used in support of any additional local, state, or federal permitting activities that may be required for the Proposed Transmission Line Project.

To assist Kimley-Horn and Halff in their evaluation, the Applicants provided information regarding the project endpoints, need for the project, engineering and design requirements, construction practices, and ROW requirements for the Proposed Transmission Line Project.

After considering environmental and geographical data, Kimley-Horn and Halff defined a study area that encompassed the project endpoints with an area large enough to delineate a diverse set of potential routing alternatives. Refer to Section 3.0 of the Environmental Assessment and Routing Study, included as Attachment No. 1, for a discussion of the environmental setting of the study area. After study area data was collected, routing constraints were identified based on information multiple sources (*e.g.*, governmental agencies, evaluation of aerial photography) and consideration of the factors established in PURA § 37.056(c)(4)(A)-(D), the Commission's CCN Application form, and 16 TAC § 25.101.

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Potential line segments were identified by evaluating the constraints mapped within the study area followed by developing potential pathways, such as existing corridors and other linear features with minimal constraints. Corridors were identified and developed into potentially viable alternative routes. Kimley-Horn and Halff evaluated potential impacts to the human and natural environment for each alternative route.

The Applicants then evaluated the alternative routes and selected Route 894 as the route that best addresses the requirements of PURA § 37.056(c)(4)(A)-(D) and 16 TAC § 25.101.

Specific discussion regarding delineation of the study area, identification of constraints, selection of potential line segments, and alternative route analysis is set forth in the Environmental Assessment and Routing Study, included as Attachment No. 1. Specific discussion regarding the evaluation and selection of routes filed with this Application and the route that the Applicants believe best complies with the requirements of PURA and the Commission's Substantive Rules is contained in an office memorandum from Casey D. Petty, P.E., included as Attachment No. 11.

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 16 TAC §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.

In accordance with 16 TAC § 22.52, the Applicants hosted a public participation meeting for the Proposed Transmission Line Project. Due to the expansive nature of the study

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area, the Applicants chose to host three meetings, as summarized below, from 5:00 p.m. to 7:00 p.m., or until the last attendee exited the meeting location. The meetings were attended by personnel from the Applicants, Halff, Kimley-Horn, and Integra Realty Resources (“Integra”) – the property abstractor Applicants engaged for this project.

Meeting Date	Meeting Location
Monday, June 16, 2025	Salado ISD Meadows Room 601 N. Main Street Salado, Texas
Tuesday, June 17, 2025	Lampasas ISD Old Middle School Cafeteria 208 E. Avenue B Lampasas, Texas
Wednesday, June 18, 2025	Menard County Community Center 303 Travis Street Menard, Texas

The Applicants mailed 2,809 individual written notices of the public participation meetings to owners of property within 500 feet of the centerline of the preliminary alternative route links for the Proposed Transmission Line Project in accordance with 16 TAC § 22.52. In consideration of horizontal accuracy limitations as they relate to county appraisal district data and aerial photography interpretation when developing preliminary route links, notice to property owners was intentionally over-inclusive, including properties crossed by or located within 520 feet of preliminary alternative route link centerlines. Notice of the public meetings was published in the following newspapers having general circulation in the counties within the project study area:

Newspaper	County	Publication Date
Temple Daily Telegram	Bell	Tuesday, June 10, 2025
Burnet Bulletin	Burnet	Wednesday, June 11, 2025
Eden Echo	Concho	Thursday, June 12, 2025

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Newspaper	County	Publication Date
Lampasas Dispatch Record	Lampasas	Tuesday, June 10, 2025
Mason County News	Mason	Wednesday, June 11, 2025
Brady-Standard Herald	McCulloch	Wednesday, June 11, 2025
Menard News and Messenger	Menard	Thursday, June 12, 2025
San Saba News & Star	San Saba	Thursday, June 12, 2025
Eldorado Success	Schleicher	Thursday, June 12, 2025
San Angelo Standard-Times	Tom Green	Thursday, June 12, 2025
Georgetown-Williamson County Sun	Williamson	Wednesday, June 11, 2025

The Applicants provided notice of the public meetings to the Department of Defense (“DoD”) Military Aviation and Installation Assurance Siting Clearinghouse (formerly the DoD Siting Clearinghouse) in accordance with 16 TAC § 22.52(a)(4). The Applicants also provided courtesy notice of the public meetings to identified pipeline companies within the project area and certain federal, state, and local agencies.

The public meetings were designed to solicit input from residents, landowners, public officials, and other interested parties concerning the Proposed Transmission Line Project. The primary objectives of each meeting included: gathering information about the values and concerns of the public and community leaders; promoting an understanding of the Proposed Transmission Line Project, including the purpose, need, and potential benefits and impacts; and providing information to the public regarding the CCN certification process and the anticipated project schedule.

Each meeting was configured in an information station format rather than a formal speaker/audience format, with each station devoted to a particular aspect of the project or routing process and staffed with representatives from the Applicants, Kimley-Horn, Half, and/or Integra. Each station had exhibits, maps, illustrations, aerial photography,

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and/or other informational aids describing certain project details and subject matter information. The Applicants have found this meeting format valuable as it allows attendees to determine how much time to allocate toward engaging with particular project aspects based on each attendee's concerns or priorities. Additionally, individual discussions allow for and encourage more interaction with those who otherwise might be hesitant to participate in a more formal setting.

Collectively, 825 members of the public signed in at the public participation meetings for the Proposed Transmission Line Project, and 189 questionnaires were received at the meetings. Numerous questionnaires and/or other correspondence were received at a later date, via mail, email, or phone, by the Applicants, Halff, or Kimley-Horn. Applicants had additional direct contact relating to the project with numerous landowners, state, and local officials.

Additional discussion concerning the public involvement program and specific information regarding the public participation meetings may be found in Section 2.5, pages 2-9 through 2-11, and Section 5.0, pages 5-1 through 5-10, of the Environmental Assessment and Routing Study included as Attachment No. 1. A representative copy of the notices that were provided to property owners and published in the county newspapers, and a copy of the questionnaire prepared for the public participation meeting, is included in Appendix B of the Environmental Assessment and Routing Study. A summary of the questionnaire responses and general public comments,

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received during or after the public participation meetings, is included in Section 5.0 of the Environmental Assessment and Routing Study.

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).

A set of one inch = 4,000 feet maps depicting the study area is included as Figure 3-1 in the Appendix G map pockets of the Environmental Assessment and Routing Study included as Attachment No. 1. Additionally, Map Inset Pages 1 through 6 and Airport Map Inset Pages 1 through 3, located in the Appendix G map pockets, are sets of larger-scaled maps that supplement and enhance the visibility of details included in Figure 3-1. These base maps include sufficient cultural and natural features to identify the location of all routes in the field. Figure 3-1 delineates the study area, routing constraints, and all routes and route links considered in the selection of routes. These maps also depict the approximate locations of electronic installations (such as radio transmitters), airstrips, irrigated pasture or cropland, parks and recreational areas, historical sites, and environmentally sensitive areas (such as wetlands), if any. Figure 3-1 also identifies existing transmission facilities in the area of the Proposed Transmission Line Project,

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including taps, ties, meter points, or other utility facilities, as applicable. To facilitate their protection, archeological sites are not mapped on Figure 3-1.

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.

Figure 3-1 (Appendix G) in the Environmental Assessment and Routing Study depicts on an aerial photograph, as applicable: (1) the location of each link that is used in the alternative routes presented in this Application, with each link identified; (2) the locations of all major public roads, including all federal and state roadways; (3) the locations of all known habitable structures on properties “directly affected”¹ by any link used in the alternative routes or by a proposed substation, if any; and (4) the boundaries (approximate or estimated according to best available county tax information as well as limited deed research) of all properties directly affected by any link used in an alternative route.

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.

Attachment No. 12 includes a table that cross-references each directly affected property identified in Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study; the cross-reference table includes corresponding landowner names and addresses.

¹ Throughout this Application, the term “directly affected” is used as defined in 16 TAC § 22.52(a)(3) unless stated otherwise.

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Attachment No. 12 also cross references each directly affected habitable structure with the applicable alternative routing link(s), route(s), and/or proposed substation(s), if any.

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.

The following permits/approvals and related actions will be obtained/taken after PUCT approval of this Application and prior to beginning construction, if necessary:

1. Texas Department of Transportation (“TxDOT”) permit(s) for crossing a state-maintained roadway, if any.
 2. A Storm Water Pollution Prevention Plan (“SWPPP”) will be prepared, and a Notice of Intent will be submitted to the Texas Commission on Environmental Quality under the Texas Pollutant Discharge Elimination System (“TPDES”) program.
 3. A cultural resources survey plan will be developed with the Texas Historical Commission (“THC”) for the proposed project.
 4. Consultation with the U.S. Army Corps of Engineers (“USACE”) will occur following the Commission’s approval of this Application to determine appropriate requirements under Section 404/Section 10 Permit criteria.
 5. Consultation with the U.S. Fish and Wildlife Service (“USFWS”) will occur following the Commission’s approval of this Application to determine appropriate requirements under the Endangered Species Act.
 6. Consultation with the Federal Aviation Administration (“FAA”) will occur following the Commission’s approval of this Application to determine appropriate requirements and notification under Federal Aviation Regulations (14 CFR Part 77).
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7. Texas General Land Office (“GLO”) miscellaneous easement(s) will be obtained, as necessary, for crossing riverbeds, navigable streams, or other properties involving state property interests.

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 the proposed project will be constructed for operation at 230kV or less, or within 500 feet of the centerline if the proposed project will be constructed for operation at greater than 230kV. 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.

A listing of all habitable structures located within 500 feet of each proposed link centerline comprising the alternative routes filed in this Application, along with a general description of each habitable structure and its distance from the centerline of the link and the associated alternative route(s), is provided in Attachment No. 13. Attachment No. 13 also lists and describes each habitable structure that is located on property adjacent to, or on property directly across a highway, road, or street that is adjacent to, a property on which a proposed substation is located, if any. To account for photographic interpretation limitations such as shadows, tree canopies, and horizontal accuracy of the photography, all habitable structures were identified within a measured distance of 520 feet of each proposed link centerline comprising the alternative routes filed in this Application.

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Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study depicts the locations of all known habitable structures directly affected by the Proposed Transmission Line Project.

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.

One AM radio transmitter is located within 10,000 feet of the centerline of any of the alternative route links (Link U6), and no known FM radio transmitters are located within 2,000 feet of the centerline of any of the alternative route links. A general description of the AM radio transmitter and its distance from the centerline of the link and the associated alternative routes is provided in the table in Attachment No. 14

A total of 44 communication towers, excluding AM radio transmitters, were identified within 2,000 feet of the centerline of any alternative route link. A list of the communication towers located within 2,000 feet of each proposed link centerline comprising the alternative routes filed in this Application, along with a general description of each tower and its distance from the centerline of the link and the associated alternative routes, is provided in the table in Attachment No. 14. Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study depicts the locations of these electronic installations.

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Please refer to Section 3.7.7, page 3-101; Section 7.7.7, page 7-31; Tables 7-2 and 7-3 (Appendix E); Table 7-8 (Appendix F); and Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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.

Kimley-Horn and Halff's review of federal and state aviation/airport maps and directories, aerial photo interpretation, and reconnaissance surveys identified: (1) 11 FAA-registered airports with at least one runway greater than 3,200 feet in length within 20,000 feet of the filed route centerlines; (2) 15 FAA-registered airports with all runways less than 3,200 feet in length within 10,000 feet of the filed route centerlines; (3) six private airstrips within 10,000 feet of the filed route centerlines; and (4) two heliports within 5,000 feet of the filed route centerlines. The approximate distances of aviation facilities from the alternative route link centerlines and associated filed routes are reflected in Attachment No. 15.

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The Proposed Transmission Line Project is not anticipated to have substantial impact on aviation operations in and around the study area, although certain alternative route links may require notice to the FAA under 14 CFR Part 77. Consistent with the Commission's standard ordering paragraph on this issue, Applicants will coordinate with the FAA on necessary steps if, after final design of the Commission-approved route, additional construction considerations are needed under FAA criteria.

Please refer to Section 3.7.6, pages 3-92 through 3-101; Section 7.7.6, pages 7-29 through 7-30; Tables 7-2 and 7-3 (Appendix E); Table 7-7 (Appendix F); and Figure 3-1 (Appendix G), of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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.

Results of aerial photography interpretation and field reconnaissance surveys identified five traveling irrigation systems (rolling or pivot type) within the study area that the Proposed Transmission Line Project may traverse. Details regarding the traveling irrigation systems crossing pasture or cropland relative to the Proposed Transmission Line Project are depicted in the table below.

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Link	Tract Number / Figure Number	Length of Pivot Irrigation System Crossed (ft)	Routes
G44	1943 & 1944 (Figure 3-1C)	694	297, 910, 911, 913, 914, 915, 916, 1162, 1164, 1180, 1181, 1182, 1189, 1193, 1203, 1217, 1219
G44	1945 (Figure 3-1C)	874	
J27	4891 (Figure 3-1D)	837	322, 509, 515, 524, 527, 530, 535, 539, 643, 645, 648, 651, 894, 898, 899, 900, 902, 904, 905, 907, 1162, 1164, 1180, 1182, 1189, 1193, 1203, 1217, 1219, 1241, 1242, 1243
J33	1510 (Figure 3-1D)	606	266, 295, 296, 297, 304, 366, 376, 543, 546, 547, 548, 551, 557, 572, 580, 582, 668, 706, 729, 739, 910, 911, 913, 914, 915, 916
K61	884 (Figure 3-1E)	1641	295, 296, 297, 706
U6	4735 (Figure 3-1D)	978	74, 84, 93, 100, 389, 391, 392, 399, 402, 408, 410, 416, 420, 430, 442, 453, 462, 588, 589, 592

Routing of the Proposed Transmission Line Project attempted to cross the edges of irrigated areas to minimize the need for placing structures within the irrigated footprint. After final design of the Commission-approved route, if additional construction considerations are needed because a traveling irrigation system cannot be fully spanned, Applicants will coordinate with the affected landowner.

Please refer to Section 3.7.3, page 3-90; Section 7.7.3, page 7-25; Tables 7-2 and 7-3 (Appendix E); and Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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25. Notice:

Notice is to be provided in accordance with 16 TAC §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.**

A copy of the written direct notice that will be provided via first-class mail to the owners of land that will be “directly affected” by the Proposed Transmission Line Project, as that term is used in 16 TAC § 22.52(a)(3) and 22.52(a)(3)(C), is provided as Attachment No. 16. This written notice includes the following enclosures: route link descriptions, maps, a table of the link composition of alternative filed routes, the Commission’s brochure titled *Landowners and Transmission Line Cases at the PUC*, the Commission’s *Request to Intervene* form, the Commission’s *Comments* form, and the *State of Texas Landowner’s Bill of Rights*.

The names and addresses of the directly affected landowners to whom notice will be mailed via first-class mail are included in Attachment No. 12. The list of owners of directly affected land in Attachment No. 12 consists of landowner data obtained from the county tax offices and/or the county appraisal districts for Bell, Burnet, Concho, Lampasas, Mason, Menard, McCulloch, San Saba, Schleicher, Tom Green, and Williamson counties as well as limited deed research. This list includes owners of all properties within 520 feet (as mentioned in the Applicants’ response to Question 18 above) of the centerline of all filed routes that will be

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provided notice of this Application filing, irrespective of whether a habitable structure is located on such properties.

The notice discussed in this response includes notice to landowners as described in Texas Utilities Code PURA § 37.054(c).

Additionally, courtesy notice of this Application will be sent via first-class mail to certain pipeline owners/operators/associations identified in the project area as shown in Attachment No. 12 using the form included as Attachment No. 19.

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

A representative copy of the written notice that will be provided to utilities located within five miles of the Proposed Transmission Line Project, with attached route link descriptions, maps, and table of the link composition of alternative filed routes, is provided as Attachment No. 17. This notice will be provided to the following utilities on or before the Application filing date, as required by Commission rules:

American Electric Power Company, Inc.

Brazos Electric Cooperative

Central Texas Electric Cooperative, Inc.

NextEra Energy Transmission

Panda Power Funds

Pedernales Electric Cooperative, Inc.

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South Texas Electric Cooperative, Inc.

Southern Power Company

- C. Provide a copy of the written notice to county and municipal authorities, and the Department of Defense Siting Clearinghouse. Notice to the DoD Siting Clearinghouse should be provided at the email address found at <http://www.acq.osd.mil/dodsc/>.**

A representative copy of the written notice that will be provided to county authorities, with attached route link descriptions, maps, and table of the link composition of alternative filed routes, is included as Attachment No. 17. The below list identifies the county authorities that will be provided notice on the Application filing date. While no proposed transmission facilities are located within Coryell, Llano, Milam, and Mills, or Milam counties, Applicants will provide these counties the same form of notice as required by the Commission rules for the counties in the study area where proposed transmission facilities are located.

- Bell County: County Judge, County Commissioners – Precincts 1, 2, 3, and 4, Director of Administration Services, Director of Contract Management
- Burnet County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
- Concho County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4

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- Coryell County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Lampasas County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Llano County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Mason County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - McCulloch County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Menard County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Milam County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Mills County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - San Saba County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Schleicher County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
 - Tom Green County: County Judge and County Commissioners – Precincts 1, 2, 3, and 4
-

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- Williamson County: County Judge and County Commissioners –
Precincts 1, 2, 3, and 4

A representative copy of the written notice that will be provided to municipal authorities, with attached route link descriptions, maps, and table of the link composition of alternative filed routes, is included as Attachment No. 17. The following municipal authorities will be provided the requisite notice on the Application filing date, as required by Commission rules:

- City of Bartlett: Mayor, Mayor Pro Tem, City Council Members, City Administrator
 - City of Belton: Mayor, Mayor Pro Tem, City Council Members, City Manager, Assistant City Manager
 - City of Bertram: Mayor, Mayor Pro Tem, City Council Members, City Administrator
 - City of Brady: Mayor, Mayor Pro Tem, City Council Members, City Manager
 - City of Burnett: Mayor, Mayor Pro Tem, City Council Members, City Manager, Assistant City Manager
 - City of Copperas Cove: Mayor, Mayor Pro Tem, City Council Members, City Manager
 - City of Eden: Mayor, Mayor Pro Tem, City Council Members, City Administrator
 - City of Eldorado: Mayor, City Council Members, City Secretary
-

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- City of Florence: Mayor, Mayor Pro Tem, Alderpersons, City Secretary
- City of Georgetown: Mayor, Mayor Pro Tem, City Council Members, City Manager, Assistant City Managers
- City of Granger: Mayor, Mayor Pro Tem, City Council Members, City Administrator
- City of Harker Heights: Mayor, Mayor Pro Tem, City Council Members, City Manager, Assistant City Managers
- City of Holland: Mayor, Mayor Pro-Tem, City Council Members, City Administrator
- City of Jarrell: Mayor, Mayor Pro-Tem, Alderpersons, City Secretary
- City of Kempner: Mayor, Mayor Pro-Tem, City Council Members, City Manager
- City of Killeen: Mayor, Mayor Pro-Tem, City Council Members, City Manager, Assistant City Manager
- City of Lampasas: Mayor, City Council Members, City Manager
- City of Lometa: Mayor, Mayor Pro Tem, City Council Members
- City of Little River Academy: Mayor, City Council Members, City Secretary
- City of Melvin: Mayor, City Council Members, City Secretary
- City of Menard: Mayor, City Council Members, City Administrator
- City of Morgan's Point Resort: Mayor, Mayor Pro Tem, City Council Members, City Manager

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- City of Nolanville: Mayor, Mayor Pro Tem, City Council Members, City Manager
- City of Richland Springs: Mayor, Mayor Pro Tem, City Council Members
- City of Rogers: Mayor, Mayor Pro Tem, City Council Members, City Administrator
- Village of Salado: Mayor, Mayor Pro Tem, Alderpersons, Village Administrator
- City of San Saba: Mayor, Mayor Pro Tem, Alderpersons, City Manager
- City of Temple: Mayor, Mayor Pro Tem, City Council Members, City Manager, Assistant City Managers

A representative copy of the written notice, with attached route link descriptions, maps, and table of the link composition of alternative filed routes, that will be provided to the DoD Military Aviation and Installation Assurance Siting Clearinghouse by email at *osd.dod-siting-clearinghouse@mail.mil*, and by first-class mail to the address below on the date this Application is filed, is included as Attachment No. 17.

DoD Military Aviation and Installation Assurance Siting Clearinghouse
3400 Defense Pentagon, Room 5C646
Washington, DC 20301-3400

A copy of this Application and its attachments will also be provided to the Texas Office of Public Utility Counsel (“OPUC”). A representative copy of the written

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notice that will be provided to OPUC, with attached route link descriptions, maps, and table of the link composition of alternative filed routes, is included as Attachment No. 17.

- 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.**

Notice of this Application filing will be published in newspapers of general circulation in counties within the study area, as summarized in the table below.

A representative copy of the general published notice is included as Attachment No. 18, excluding the route link descriptions, maps, and table of the link composition of alternative filed routes.

Newspaper	County of Publication
Temple Daily News	Bell
Belton Journal	Bell
Burnet Bulletin	Burnet
Eden Echo	Concho
Mason County News	Mason
Brady Standard-Herald	McCulloch
Menard News and Messenger	Menard
San Saba News & Star	San Saba
Eldorado Success	Schleicher
San Angelo Standard-Times	Tom Green
Georgetown-Williamson County Sun	Williamson
Lampasas Dispatch Record	Lampasas
Goldthwaite Eagle	Mills
Rockdale Reporter	Milam
Copperas Cover Leader Press	Coryell
Llano News	Llano

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Proof of publication will be provided in the form of publisher's affidavits and newspaper tear sheets following publication of these notices.

For a CREZ application, in addition to the requirements of 16 TAC § 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 notices, Applicant may 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.

A review of federal, state, and local websites and maps, as well as field reconnaissance, identified four parks or recreational areas owned by a government body or an organized group, club, or church located within 1,000 feet of the centerline of any alternative route filed with this Application. General descriptions for each park or recreational area and their distances from the centerlines of the proposed alternative route links and proposed alternative routes are provided in the table in Attachment No. 20.

Please refer to Section 3.7.2, pages 3-87 through 3-90; Section 7.7.2, pages 7-24 through 7-25; Tables 7-2 and 7-3 (Appendix E); and Figure 3-1 (Appendix G), of the Environmental Assessment and Routing Study, included as Attachment No. 1.

27. Historical and Archeological Sites:

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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.

Research and a records review of the Texas Historic Commission (“THC”) Texas Archeological Sites Atlas were conducted to locate known cultural resources within 1,000 feet of any alternative route centerline for the Proposed Transmission Line Project. THC records indicated 23 cemeteries, nine Official Texas Historic Markers (“OTHM”), and 100 known archeological sites within 1,000 feet of the centerline of one or more alternative route links for the Proposed Transmission Line Project, as shown in the table in Attachment No. 21. The table in Attachment No. 21 also shows Old Spiller Cemetery and Senterfitt Cemetery as the only cemeteries that are also designated as OTHMs.

Please refer to Section 3.8, pages 3-101 through 3-111; Section 7.8, pages 7-31 through 7-33; Tables 7-2 and 7-3 (Appendix E); and Figure 3-1 (Appendix G) of the Environmental Assessment and Routing Study included as Attachment No. 1. Archeological sites are not shown on maps filed with this Application for their protection and conservation.

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.

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The Proposed Transmission Line Project is not located, either in whole or in part, within the coastal management program boundary as defined in 31 TAC § 27.1 (formerly 31 TAC § 503.1).

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.

The Environmental Assessment and Routing Study prepared by Kimley-Horn and Halff is included as Attachment No. 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
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 this Application and its attachments, including the Environmental Assessment and Routing Study, will be provided to the Texas Parks and Wildlife Department (“TPWD”) for review within seven days following the filing of the Application. Please refer to Attachment No. 22 for a copy of the transmittal letter with which the Application

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and its attachments, including the Environmental Assessment and Routing Study, will be sent to the TPWD.

30. Affidavit

Attach a sworn affidavit from a qualified individual authorized by the applicant to verify and affirm that, to the best of their knowledge, all information provided, statements made, and matters set forth in this application and attachments are true and correct.

Attachment Nos. 23 and 24, respectively, are the sworn affidavits of Jeremy McConnell, an Oncor Project Manager, and Kelly Wells, an LCRA TSC Regulatory Case Manager, both of whom are qualified individuals authorized by the Applicants to verify and affirm that, to the best of their knowledge, all information provided, statements made, and matters set forth in this Application, including its attachments, are true and correct.

31. List of Attachments to the CCN Application

Volume 1 of 3

Attachment No. 1: Environmental Assessment and Alternative Route Analysis

Volume 2 of 3

Attachment No. 1: Environmental Assessment and Alternative Route Analysis

(continued) - Appendices

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Attachment No. 2: Preliminary Layout – Bell County East 765 kV and 345 kV Station
Yards

Attachment No. 3: Counties Crossed by Filed Alternative Routes

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- Attachment No. 4: Cost Estimates
- Attachment No. 5: ERCOT’s Permian Basin Reliability Plan Study Report (July 25, 2024) and Addendum (September 11, 2024) (together, “Permian Basin Reliability Study”)
- Attachment No. 6: Commission Order Approving the Permian Basin Reliability Plan (October 2024)
- Attachment No. 7: Commission Order Approving the 765 kV Import Paths (April 2025)
- Attachment No. 8: Commission Order Assigning Responsibility for the Permian Basin Reliability Plan Transmission Projects (April 2025)
- Attachment No. 9: Schematic of Transmission System in Proximate Area of Project
- Attachment No. 10: Transmission System Map in Project Area
- Attachment No. 11: Routing Memorandum of Casey D. Petty, P.E.
- Attachment No. 12: List of Directly Affected Landowners for Notice and Pipeline Owners, Operators, and Associations for Courtesy Notice
- Attachment No. 13: Habitable Structures within 500 Feet of the Filed Alternative Routes
- Attachment No. 14: Electronic Installations within 2,000 Feet of the Filed Alternative Routes
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Attachment No. 15: Aircraft Landing Facilities within 20,000 Feet of the Filed
Alternative Routes

Attachment No. 16: Copy of Notice to Directly Affected Landowners

Attachment No. 17: Copy of Notice to Utilities, Counties, OPUC, Municipalities, and
Department of Defense Military Aviation and Installation Siting
Clearinghouse

Attachment No. 18: Copy of Newspaper/Public Notice

Attachment No. 19: Copy of Courtesy Notice to Pipeline Owners, Operators, and
Associations

Attachment No. 20: Parks and Recreation Areas within 1,000 Feet of the Filed
Alternative Routes

Attachment No. 21: Cultural Resources within 1,000 Feet of the Filed Alternative
Routes

Attachment No. 22: Transmittal Letter to TPWD

Attachment No. 23: Affidavit of Jeremy McConnell (Oncor)

Attachment No. 24: Affidavit of Kelly Wells (LCRA TSC)