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Control Number - 56799

Item Number - 3

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

DOCKET NO. 56799

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

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

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

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.

Oncor will hold the sole ownership interest in the Reiter Switch – Tesoro Switch 345 kilovolt ("kV") Transmission Line Project (the "Proposed Transmission Line Project").

3. Person to Contact:	Christine Williams
Title/Position:	Regulatory Senior Project Manager
Phone Number:	(214) 486-5841
Mailing Address:	1616 Woodall Rodgers Fwy, Suite 6A-014 Dallas, Texas 75202-1234
Email Address:	Christine.Williams@oncor.com

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 75202-1234
Email Address:	Thomas.Yamin@oncor.com

3b.	**Legal Counsel:**	Jaren A. Taylor Rachael L. Curtin
	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 rcurtin@velaw.com

Please contact Jaren Taylor with any inquiries regarding the project.

4. Project Description:

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:	Reiter Switch – Tesoro Switch 345 kV Transmission Line Project
Design Voltage Rating (kV):	345 kV
Operating Voltage Rating (kV):	345 kV
Normal Peak Operating Current (A):	5,138 A

The Proposed Transmission Line Project is a new, double-circuit 345 kV transmission line to be built on double-circuit lattice steel towers, between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County, both in Texas.[1] The Proposed Transmission Line Project is needed to address reliability issues

[1] The Reiter Switch is planned for construction prior to the estimated construction start date for, and independent of, the Proposed Transmission Line Project. A certificate amendment is not required under 16 TAC § 25.101(c)(2).

identified by the Electric Reliability Council of Texas ("ERCOT") and Oncor in the Permian Basin region of West Texas.

Reiter Switch will be a new station established in the existing Oncor Odessa EHV Switch to Moss Switch and Odessa EHV Switch to Wolf Switch 345 kV transmission line circuits. The portion of Oncor's fee-owned property upon which the Reiter Switch is to be constructed is located approximately 1.2 miles north of the intersection of State Highway ("SH") Loop 338 and Farm-to-Market Road ("FM") 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and SH Loop 338, near Odessa, Texas.

The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, depending on which route is selected by the Public Utility Commission of Texas ("PUC" or "Commission").

The Proposed Transmission Line Project includes modifications to the 345 kV switchyard at the existing Tesoro Switch. The 345 kV switchyard at the Tesoro Switch is currently in operation. The 345 kV switchyard at Reiter Switch is planned to be in operation prior to the estimated construction start date for the Proposed Transmission Line Project. Minimal work is needed to terminate the Proposed Transmission Line Project at the planned Reiter Switch.

5. Conductor and Structures:

Conductor Size and Type:	1926.9 kcmil Aluminum Conductor Steel Supported Trapezoidal-Shaped Wire ("ACSS/TW")
Number of conductors per phase:	2
Continuous Summer Static Current Rating (A):	5,138 A
Continuous Summer Static Line Capacity at Operating Voltage (MVA):	3,070 MVA
Continuous Summer Static Line Capacity at Design Voltage (MVA):	3,070 MVA
Type and composition of Structures:	Double-Circuit Lattice Steel Tower
Height of Typical Structures:	120 feet*
Estimated Maximum Height of Structures:	180 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.

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.

Oncor selected the double-circuit 345 kV self-supporting lattice steel towers for numerous reasons including costs, technical specifications, structure footprint, right-of-way ("ROW") requirements, the specific characteristics of the study area, and other engineering-related reasons. This structure type is Oncor's current standard for new single- and double-circuit 345 kV construction.

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

A dimensional drawing of the typical tangent structure is shown in Figure 1-2, page 1-7, of the *Environmental Assessment and Alternative Route Analysis for the Proposed Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas* ("Environmental Assessment and Routing Study"), prepared by Halff Associates, Inc. ("Halff") and included as Attachment No. 1.

6. Right-of-way:

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.

Miles of Right-of-Way:	Approximately 4.0 to 5.2 miles
Miles of Circuit:	Approximately 8.0 to 11.0 miles
Width of Right-of-Way:	Approximately 160 feet
Percent of Right-of-Way Acquired:	6.1% to 10.6%*

* Oncor has acquired ROW for portions of alternative routes within the boundaries of its Reiter Switch fee-owned property and its Tesoro Switch perpetual easement. Please refer to Tables 5-2 and 5-3 in the Environmental Assessment and Routing Study, included as Attachment No. 1, and the Routing Memorandum Map in Attachment No. 10 for additional details on the extent to which proposed routing alternatives utilize existing Oncor ROW.

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.

The study area is situated within Ector and Midland counties, with the City of Odessa extending into the northwest portion of the study area. No unincorporated towns or communities are located within the study area. Most of the study area consists of rural, undeveloped land used primarily for oil and gas production or livestock grazing. The topography of the study area is gently rolling, with several unnamed stream features that generally drain to the northeast.

Residential development is represented by two isolated developments located along Bates Field Road (also known as Ector County Road ["CR"] 1285) and Midland CR 171. Commercial developments are generally associated with the City of Odessa in the northwestern corner of the study area. Development in the central portion of the study area is associated with oil and gas production.

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 3-68, 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.

Tesoro Switch

The existing Tesoro Switch is an Oncor-owned switching station located approximately 1.5 miles southeast of the intersection of IH-20 and SH Loop 338 near Odessa, Texas. The dimensions of the existing Tesoro Switch are approximately 1,250 feet by 700 feet. Construction of the Proposed Transmission Line Project will not change the current dimensions of the Tesoro Switch.

Relay panels, a supervisory control and data acquisition ("SCADA") system, and controls for the existing 138 kV switchyard equipment are housed in a dedicated control center. The existing 138 kV switchyard is a 12-breaker, breaker-and-a-half bus arrangement with capacity for future expansion. Ultimately, the layout can be expanded to accommodate additional 138 kV terminals with an 18-breaker, 138 kV breaker-and-a-half bus arrangement.

Relay panels, a SCADA system, and controls for the existing 345 kV switchyard equipment are housed in a dedicated control center. The existing 345 kV switchyard is a 10-breaker, breaker-and-a-half bus arrangement with two 345/138 kV autotransformers and two 37.5 MVAR reactors on the tertiary of each autotransformer and capacity for future expansion. The Proposed Transmission Line Project will add four new 345 kV breakers, in a breaker-and-a-half arrangement, and related controls within the footprint of the existing 345 kV switchyard. Ultimately, the layout can be expanded to accommodate additional 345 kV terminals with an 18-breaker, 345 kV breaker-and-a-half bus arrangement.

The dimensions and additional details of the Tesoro Switch are provided in Attachment No. 2-A.

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.

Reiter Switch

Oncor's planned Reiter Switch will be a 345/138 kV switchyard constructed to terminate the Proposed Transmission Line Project on Oncor-owned property located approximately 1.2 miles north of the intersection of SH Loop 338 and FM 3503, south of Odessa, Texas. Reiter Switch will be built adjacent to Oncor's existing Odessa EHV Switch to Moss Switch and Odessa EHV Switch to Wolf Switch 345 kV circuits. These circuits will terminate into the Reiter Switch 345 kV switchyard prior to construction of the Proposed Transmission Line Project.

The dimensions of the Reiter Switch's 345/138 kV switchyard will be approximately 1,600 feet by 750 feet. At the start of construction for the Proposed Transmission Line Project, Reiter Switch will include a 138 kV 13-breaker, breaker-and-a-half bus arrangement, a 345 kV 16-breaker, breaker-and-a-half bus arrangement with two 345/138 kV autotransformers and two 37.5 MVAR reactors on the tertiary of each autotransformer. Relay panels, a SCADA system, and controls for the switchyard equipment will be housed in two dedicated control centers. Ultimately, the layout can be expanded to accommodate additional 138 kV terminals with an 18-breaker, 138 kV breaker-and-a-half bus arrangement with shunt reactive equipment and additional 345 kV terminals with a 24-breaker, 345 kV breaker-and-a-half bus arrangement.

The Proposed Transmission Line Project will connect to two of the 16 initial 345 kV breakers in a breaker-and-a-half bus arrangement and related controls within the footprint of the planned 345 kV switchyard.

The dimensions and additional details regarding the planned layout of the Reiter Switch are provided in Attachment No. 2-B.

8. Estimated Schedule:

[*The remainder of this page is intentionally left blank. The table begins on the following page.*]

Estimated Dates of:	Start[1]	Completion[1]
Right-of-way and Land Acquisition	02/2025	12/2026
Engineering and Design	03/2025	04/2026
Material and Equipment Procurement	07/2025	07/2026
Construction of Facilities	07/2026	12/2026
Energize Facilities	-	12/2026

[1] 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.

9. Counties:

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

All of the proposed alternative routes have portions within both Ector and Midland counties.

10. Municipalities:

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

The proposed route will not traverse any municipality.

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.

Not applicable.

Evidence of consent for service in this area is publicly available and previously filed in PUC Docket Nos. 24 (Ector County) and 53 (Midland County).

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.

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, and no other electric utility's existing facilities will be utilized for the Proposed Transmission Line Project.

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.

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.

Oncor is the sole applicant. No other party will be reimbursed for any portion of the Proposed Transmission Line Project.

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.

[*The remainder of this page is intentionally left blank. The table begins on the following page.*]

Transmission	**Substation Facilities**

	Facilities[1]	Reiter Switch[2]	Tesoro Switch[3]
Right-of-way and Land Acquisition	*	$ -	$ -
Engineering and Design (Utility)	*	$ -	$ 156,000
Engineering and Design (Contract)	*	$ -	$ 190,000
Procurement of Material and Equipment (including stores)	*	$ -	$ 3,094,000
Construction of Facilities (Utility)	*	$ -	$ -
Construction of Facilities (Contract)	*	$ -	$ 1,985,000
Other (all costs not included in the above categories)	*	$ -	$ -
Estimated Total Cost	*	$ -	**$ 5,425,000**

[1] Refer to Attachment No. 3 for cost estimates for each alternative route presented in the Application.

[2] The cost for the minimal work needed to terminate the Proposed Transmission Line Project at the planned Reiter Switch is included in the transmission line cost category. Costs associated with the establishment of the switch and termination of the existing 345 kV circuits will be captured in a separate project.

[3] Estimates for Tesoro Switch station costs include a four-breaker, breaker-and-a-half expansion of the 345 kV switchyard and associated controls to connect the Proposed Transmission Line Project. Relay panels and controls for the 345 kV switchyard equipment will be housed in a control center.

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.

The Proposed Transmission Line Project will expand and upgrade Oncor's transmission system in West Texas to address reliability issues. Load growth, load integration requests, and the age of existing facilities all contribute to the Proposed Transmission Line Project's need. The following table shows historical and projected load in the project area:

YEAR	2022	2023	2024	2025	2026	2027	2028
LOAD (MW)	5,824	6,476	8,480	10,139	11,119	11,595	11,993

In December 2021, ERCOT completed the Permian Basin Load Interconnection Study Report ("Permian Basin Study"), included as Attachment No. 4. The Permian Basin Study identified transmission upgrades necessary to reliably serve the existing and projected oil and gas loads in the Permian Basin area. The Permian Basin Study includes Oncor's Proposed Transmission Line Project to resolve an overload condition on the Odessa EHV 345/138 kV autotransformer identified in the 2025 and 2030 cases that were studied by ERCOT.

Additionally, the Proposed Transmission Line Project is included in Oncor's West Texas 345 kV Infrastructure Rebuild Project, which was submitted to ERCOT's Regional Planning Group on November 3, 2023 ("RPG Submittal"), included as Attachment No. 5. The RPG Submittal recommends the Proposed Transmission Line Project and identifies the need for an in-service date by the summer of 2028. In May 2024, ERCOT issued its Independent Review of the RPG Submittal ("Independent Review"), included as Attachment No. 6. Using ERCOT's previous Permian Basin Study as its foundation, ERCOT's Independent Review found that the Proposed Transmission Line Project is needed for the reliability of the ERCOT transmission system and recommended that the project be in-service by the summer of 2028. On June 18, 2024, ERCOT's Board of Directors formally endorsed the West Texas 345 kV Infrastructure Rebuild Project, including the Proposed Transmission Line Project, as a Tier 1 project under 16 Texas Administrative Code ("TAC") § 25.101(b)(3)(D). A letter with the meeting minutes memorializing this approval is included as Attachment No. 7.

The Permian Basin area lacks the transmission facilities necessary to address the substantial load growth it is experiencing. Without the Proposed Transmission Line Project, capacity would not exist to further serve anticipated oil and gas development and load in the general project area. Without transmission system upgrades, the continuation of this load growth will increase the likelihood of reliability issues rises. ERCOT's Permian Basin Study identified the Proposed Transmission Line Project as necessary by the summer of 2028 to resolve potential thermal overload violations during an N-1 condition—that is, the unexpected failure or outage of a transmission system component—relating to certain North American Electric Reliability Corporation ("NERC") Category P7 contingencies. Under NERC Reliability Standard TPL-001-5.1, with certain exceptions, a Category P7 contingency includes the loss of any two (vertically or horizontally) adjacent circuits on a common structure. The Proposed

Transmission Line Project will address these potential NERC Reliability Standard violations.

The Proposed Transmission Line Project will result in improvements such as: (1) providing increased operational flexibility during emergency conditions; (2) enhancing voltage support in the Permian Basin by creating a more-integrated 345 kV transmission system; (3) providing transformer redundancy in the area; and (4) allowing for future expansion in the project area.

The Proposed Transmission Line Project will address reliability violations under NERC Reliability Standards and improve the transmission system's import capability to support future load growth in the area. This will improve service for new and existing customers as swift economic expansion occurs in the Permian Basin area.

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 Permian Basin Load Interconnection Study recommended the Proposed Transmission Line Project as part of the preferred reliability upgrades identified by the study. The study evaluated three alternatives to the Proposed Transmission Line Project. Two of the alternatives were found not to perform as well as the Proposed Transmission Line Project while the third alternative would be more costly.

Distribution alternatives to the Proposed Transmission Line Project would not resolve the identified reliability issues on the transmission system or address the large loads and generation seeking interconnection at transmission level voltage. Adding transformers or upgrading voltage or bundling conductors for existing facilities would also fail to address the identified reliability issues or provide the necessary level of service to meet electric demand in the 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.

A schematic of the transmission system in the proximate area of the Proposed Transmission Line Project is shown in Attachment No. 8. 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. 9. A map outlining the study area can

be found in Figure 3-1 of the Environmental Assessment and Routing Study (Appendix D), 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.

Oncor retained 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 PUC CCN Application form, and 16 TAC § 25.101 as they apply to the Proposed Transmission Line Project.

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 Halff in its evaluation, Oncor provided information regarding the project endpoints, need for the project, engineering and design requirements, construction practices, and ROW requirements.

After considering environmental and geographical data, Halff defined a study area that encompassed the provided endpoints with a sufficient area to identify 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 study area. Routing constraints were identified after collection of area data from many sources (*e.g.*, governmental agencies, evaluation of aerial photography) and consideration of the criteria established in PURA § 37.056(c)(4)(A)-(D), the PUC CCN Application form, and 16 TAC § 25.101.

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

Oncor then evaluated the alternative routes and selected Route 10 as the route that best addresses the requirements of PURA § 37.056(c)(4)(A)-(D) and 16 TAC § 25.101.

Specific discussion regarding selection of a study area, identification of constraints, selection of potential line segments, and alternative route analysis is set forth in the Environmental Assessment and Routing Study. Specific discussion regarding the evaluation and selection of routes filed with the Application and the route that Oncor believes best complies with the requirements of PURA and the PUC's Substantive Rules is contained in an office memorandum from Amy L. Zapletal (included as Attachment No. 10).

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.

The Proposed Transmission Line Project, including both endpoints, traverses property owned by seven (7) landowners, including Oncor. Oncor did not hold a public meeting because the prerequisites for public meetings under 16 TAC § 22.52 were not met.

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 one inch = 1,500 feet map is included as Figure 3-1 in Appendix D of the Environmental Assessment and Routing Study included as Attachment No. 1. This base map includes sufficient cultural and natural features to identify the location of all routes in the field. This figure delineates the study area, routing constraints, and all routes and route links considered in the selection of routes. This map also depicts the approximate locations of electronic installations (such as radio transmitters), airstrips, irrigated pasture or cropland, parks and recreational areas, historical and archeological sites, and environmentally sensitive areas, such as wetlands, if any. Figure 3-1 in Appendix D also identifies existing transmission facilities in the area of the Proposed Transmission Line Project, including taps, ties, meter points, or other utility facilities, as applicable.

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 in Appendix D of the Environmental Assessment and Routing Study, included as Attachment No. 1, depicts on an aerial photograph, as applicable: (1) the location of each link that is used in the alternative routes filed in this CCN 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 by any link used in the alternative routes, if any; and (4) the boundaries (approximate or estimated according to best available county tax information) of all properties directly affected by any link used in an alternative route. In addition, the locations of radio transmitters and other electronic installations, airstrips, irrigated pasture or cropland, parks and recreational areas, historical and archeological sites, and any environmentally sensitive areas, such as wetlands, if any, are depicted.

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. 11 includes a table that cross-references each directly affected property identified in Figure 3-1 in Appendix D of the Environmental Assessment and Routing Study; the cross-reference table includes corresponding landowner names and addresses. No known habitable structures were identified within 500 feet of the centerline of any proposed alternative route.

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 PUC approval of the CCN 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 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 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).
7. Texas General Land Office miscellaneous easement(s) 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.

As depicted on Figure 3-1 in Appendix D of the Environmental Assessment and Routing Study, included as Attachment No. 1, no habitable structures are located within 500 feet of any route links used in the proposed alternative routes.

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.

There are no known AM radio transmitters located within 10,000 feet of the centerline of any of the alternative route links and no known FM radio transmitters located within 2,000 feet of the centerline of any of the alternative route links.

One communication tower is located within 2,000 feet of the centerline of the filed alternative routes. This communication tower ("Tower 1") is located east of SH Loop 338 and is depicted on Figure 3-1 in Appendix D of the Environmental Assessment and

Routing Study, included as Attachment No. 1. A general description of Tower 1 and its distance from the centerline of proposed alternative route links is provided in the table below.

Facility ID	Installation Type	Licensee	Link	Distance (ft)	Direction to Link
THERE ARE NO AM RADIO TRANSMITTERS WITHIN 10,000 FEET OF ROUTES					
Facility ID	**Installation Type**	**Licensee**	**Link**	**Distance (ft)**	**Direction to Link**
THERE ARE NO FM RADIO TRANSMITTERS WITHIN 2,000 FEET OF ROUTES					
Facility ID	**Installation Type**	**Licensee**	**Link**	**Distance (ft)**	**Direction to Link**
OTHER ELECTRONIC INSTALLATIONS WITHIN 2,000 FEET OF ROUTE LINKS					
Tower 1	Unknown	Unknown	B4	1,930	Southwest
			C2	1,930	Southwest
			D3	610	South
			E3	740	Southeast
			E4	420	East
			F4	740	Southeast

Please refer to Section 3.7.7, page 3-60; Section 5.7.7, page 5-16; and Tables 5-2 and 5-3, Appendix C, 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.

Halff's review of federal and state aviation/airport maps and directories, aerial photo interpretation, and reconnaissance survey identified: (1) no FAA-registered airport with a runway greater than 3,200 feet in length within 20,000 feet of the proposed routes; (2) no FAA-registered airport without a runway greater than 3,200 feet in length within 10,000 feet of the proposed routes; (3) no heliport within 5,000 feet of the proposed routes; and (4) no private airstrip within 10,000 feet of the proposed routes.

Please refer to Section 3.7.6, pages 3-59 and 3-60; Section 5.7.6, page 5-15; and Tables 5-2 and 5-3, Appendix C, 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 a field reconnaissance survey did not identify any agricultural land irrigated by traveling irrigation systems (rolling or pivot type) that will be traversed by any of the alternative routes of the Proposed Transmission Line Project.

Please refer to Section 3.7.3, pages 3-57 and 3-58; Section 5.7.3, page 5-13; and Tables 5-2 and 5-3, Appendix C, of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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, with attached map, 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), is included as Attachment No. 12. The names and addresses of the directly affected landowners to whom notice will be mailed via first-class mail are included in Attachment No. 11. The list of owners of directly affected land in Attachment No. 11 consists of landowner data obtained via the tax offices and the appraisal districts for Ector and Midland counties.

No notice is required under Texas Utilities Code § 37.054(c) because Oncor is not requesting approval to build a new load serving substation in this application.

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

A copy of the written direct notice, with attached map, that will be provided to utilities that are located within five miles of the routes is included as Attachment No. 13. The following utilities will be provided the requisite notice on or before the filing date as required by Commission rules:

Garland Power & Light
Lower Colorado River Authority
Wind Energy Transmission Texas, LLC

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, with attached map, that will be provided to county authorities is included as Attachment No. 13. The following county authorities will be provided the requisite notice on or before the Application filing date, as required by Commission rules:

Ector County, County Judge
Ector County, County Commissioners – Precincts 1, 2, 3, and 4
Midland County, County Judge
Midland County, County Commissioners – Precincts 1, 2, 3, and 4

A representative copy of the written notice, with attached map, that will be provided to municipal authorities is included as Attachment No. 13. The following municipal authorities will be provided the requisite notice on or before the filing date, as required by Commission rules:

City of Odessa, Mayor
City of Odessa, Council Members – Districts 1, 2, 3, 4, 5, and At-Large
City of Midland, Mayor
City of Midland, Council Members – Districts 1, 2, 3, 4, and At-Large

A representative copy of the written notice, with attached route description and map, that will be provided to the Department of Defense Military Aviation and Installation 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. 13.

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

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 for this Application will be published in the *Odessa American* and in the *Midland Reporter-Telegram*, newspapers of general circulation in Ector and Midland counties, respectively. A representative copy of the general public notice to be published is included as Attachment No. 14.

Proof of publication will be provided in the form of a publisher's affidavit and tear sheet following publication of this notice.

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.

A copy of the Application and all attachments will be provided to the Texas Office of Public Utility Counsel ("OPUC"). A representative copy of the written notice, with attached route description and map, that will be provided to OPUC is included as Attachment No. 13.

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 a field reconnaissance survey, identified no parks or recreational areas owned by a government body or an organized group, club, or church located were identified within 1,000 feet of the centerline of any alternative route for the Proposed Transmission Line Project.

Please refer to Section 3.7.2, page 3-57; Section 5.7.2, page 5-13; and Tables 5-2 and 5-3, Appendix C, of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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.

Research and a records review of the Texas Historic Commission ("THC") Historic Sites Atlas and the THC Archaeological Sites Atlas were conducted to locate known cultural resources within 1,000 feet of any alternative route centerline for the proposed project. THC records indicated no known historical or archeological sites within 1,000 feet of the centerline of any route for the Proposed Transmission Line Project. THC records indicated no National Register of Historic Places listings, State Antiquities Landmarks, or cemeteries recorded within 1,000 feet of the proposed route centerline.

Please refer to Section 3.8, pages 3-60 through 3-68; Section 5.8, pages 5-16 through 5-21; and Tables 5-2 and 5-3, Appendix C, of the Environmental Assessment and Routing Study, included as Attachment No. 1.

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.

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 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 the Environmental Assessment and Routing Study and Application will be provided to the Texas Parks and Wildlife Department ("TPWD") for review within seven days following the filing of the Application for the Proposed Transmission Line Project. Please refer to Attachment No. 17 for a copy of the transmittal letter with which the Environmental Assessment and Routing Study and Application 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.

31. List of Attachments to the CCN Application

Attachment No. 1:	Environmental Assessment and Alternative Route Analysis
Attachment No. 2-A:	Preliminary Layout — Tesoro Switch with the Proposed Transmission Line Project Connection
Attachment No. 2-B:	Preliminary Layout — Reiter Switch with the Proposed Transmission Line Project Connection
Attachment No. 3:	Cost Estimates
Attachment No. 4:	ERCOT's Permian Basin Load Interconnection Study Report (December 2021)
Attachment No. 5:	ERCOT RPG Submittal for Oncor's West Texas 345 kV Infrastructure Rebuild Project (November 3, 2023)
Attachment No. 6:	ERCOT Independent Review of Oncor's West Texas 345 kV Infrastructure Rebuild Project (May 16, 2024)
Attachment No. 7:	ERCOT's Board of Directors Meeting Minutes Memorializing Approval for Oncor's West Texas 345 kV Infrastructure Rebuild Project (June 18, 2024)

Attachment No. 8:	Schematic of Transmission System in Proximate Area of Project
Attachment No. 9:	Transmission Area Map in Project Area
Attachment No. 10:	Routing Memorandum of Amy L. Zapletal
Attachment No. 11:	List of Directly Affected Landowners for Notice and Recipients of Courtesy Notice to Pipeline Owners/Operators
Attachment No. 12:	Copy of Notice to Directly Affected Landowners
Attachment No. 13:	Copy of Notice to Utilities, Counties, OPUC, Municipalities, and Department of Defense Military Aviation and Installation Siting Clearinghouse
Attachment No. 14:	Copy of Newspaper/Public Notice
Attachment No. 15:	Copy of Courtesy Notice to Pipeline Owners/Operators
Attachment No. 16:	Transmittal Letter to TPWD
Attachment No. 17:	Affidavit

The following files are not convertible:

EA-Table 5_2__Environmental Data for Alternative Route Evaluation.xlsx
EA-Table 5_3__Environmental Data for Alternative Route Link Evaluation.xlsx
Att. 3 - Estimated Costs.xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.

Amy L. Zapletal, P.E.
Project Manager Senior
Transmission Engineering Right-of-Way

Office Memorandum

Date: July 2, 2024

To: File

From: Amy L. Zapletal. P.E.

Subject: Alternative Routes Evaluation: Reiter Switch – Tesoro Switch 345 kV Transmission Line Project

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This memorandum discusses my evaluation of routing alternatives for Oncor Electric Delivery Company LLC's ("Oncor's") proposed Reiter Switch – Tesoro Switch 345 kV Transmission Line Project ("Proposed Transmission Line Project"). In addition to the recommendation for a route that best meets the requirements of the Texas Utilities Code and the Substantive Rules of the Public Utility Commission of Texas ("Commission"), I also selected alternative routes to be filed with the CCN Application.

Background

The goal of this route evaluation process is to provide the Commission with an adequate number of alternative routes to conduct a proper evaluation. These alternative routes provide good geographic diversity while complying with Section 37.056(c)(4)(A)-(D) of the Texas Utilities Code, Commission Procedural Rule 22.52(a)(4), and Commission Substantive Rule 25.101(b)(3)(B), including the Commission's policy of prudent avoidance.

The alternative route selections are based on my: (1) reconnaissance and observations of the project area; (2) independent review of the data included in the *Environmental Assessment and Alternative Route Analysis for Oncor Electric Delivery Company LLC's Proposed Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas* ("Environmental Assessment and Routing Study"), prepared by Halff Associates, Inc. ("Halff"); (3) discussions with Halff personnel; (4) discussions with Oncor personnel; and (5) other information. My recommendation incorporates consideration of information in the Environmental Assessment and Routing Study, engineering feasibility, the estimated cost of alternative routes, and construction limitations.

Development of Alternative Route Links

Halff documented its efforts to identify potential preliminary alternative routes for the Proposed Transmission Line Project in Section 4.0 of the Environmental Assessment and Routing Study. After completing the initial data gathering and constraints mapping process, Halff identified preliminary alternative route links on recent aerial photography obtained from NearMap (available through Halff's subscription service). These preliminary alternative route links were selected considering the location of existing corridors, apparent property boundaries and routing constraints. Some of the routing constraints within the study area include: (1) oil and gas facilities; (2) existing transmission lines; (3) State Highway

("SH") Loop 338 and other state-maintained roadways where 90-degree roadway crossings by transmission lines are typically required by the Texas Department of Transportation; (4) residential development; and (5) commercial and industrial development. Numerous preliminary alternative route links were identified by Halff that, when combined, formed numerous preliminary alternative routes to connect Oncor's proposed Reiter Switch 345 kV switchyard to its existing Tesoro Switch. The preliminary alternative route links evaluated by Halff are depicted in Figure 3-1 (Appendix D) in the Environmental Assessment and Routing Study.

The Proposed Transmission Line Project, including both endpoints, traverses property owned by seven (7) landowners, including Oncor. Oncor did not hold public meetings because the prerequisites for public meetings under 16 TAC § 22.52 were not met. Therefore, the preliminary alternative route links were finalized after incorporating the findings of field reconnaissance by Halff and Oncor and data received from landowners. These route links are discussed in Section 4.0 of the Environmental Assessment and Routing Study.

In general, links were proposed to coordinate with routing constraints and to comply with the Commission's policy of prudent avoidance after field investigation. Following review of the preliminary alternative route links, a total of 52 alternative route links were adopted, from which 150 alternative routes were delineated and further evaluated, as discussed in Section 5.0 of the Environmental Assessment and Routing Study.

Development of Alternative Routes

Halff identified multiple potential alternative routes using these 52 alternative route links. Ultimately, a total of 150 alternative routes were identified for further routing analysis. I initially identified three alternative route links that created corridors in which to group potential alternative routes. The alternative route combinations within each of the three routing corridors were identified. Each of the alternative route link corridors were analyzed to identify a select number of geographically diverse and forward-progressing route alternatives from which the Commission could compare the routing possibilities for the Proposed Transmission Line Project. Below, I discuss the 21 alternative routes that I selected to be filed with the CCN Application, as shown in Table 2 attached to this Memorandum.

Discussion of Alternative Routes

Each of the 150 preliminary alternative routes identified possesses both positive and negative comparative attributes. I considered these attributes to select a set of geographically diverse routing alternatives to be filed as a part of the CCN Application. Below is a discussion of the 21 alternative routes that were identified to be filed with the CCN Application. Each alternative route complies with Section 37.056(c)(4)(A)-(D) of the Texas Utilities Code and Commission Substantive Rule 25.101, including the Commission's policy of prudent avoidance. None of the 150 preliminary alternative routes identified for the Proposed Transmission Line Project have habitable structures within 500 feet of the route centerline.

The alternative routes can be grouped in many different ways; one approach is to group them into geographic corridors. I grouped the alternative routes into three different geographic corridors following the north-south orientation of the alternative route links. These three corridors are identified as the: (1) west corridor using Link E4; (2) central corridor using Link G4; and (3) east corridor using Link I4. The map

attached to this Memorandum shows these alternative route link locations. All alternative routes cross SH Loop 338.

I presented the 52 alternative route links and all 150 preliminary alternative routes to Oncor's engineering witness for this project, Mr. Kaleb Roberts, for consideration of engineering feasibility, construction limitations, and alternative route cost estimates. Mr. Roberts confirmed the engineering feasibility based on known constraints for each of the alternative routes, and he also provided cost estimates for each alternative route.

Based on my analysis, I selected 21 geographically diverse alternative routes to be filed with the CCN Application to allow for an adequate number of alternative routes to conduct a proper evaluation. Table 1, attached to this Memorandum, presents the route links that comprise these alternative routes. Table 2, attached to this Memorandum, presents quantifiable environmental data on the 21 alternative routes filed as a part of the CCN Application. The filed alternative routes use each of the 52 alternative route links in at least one route. Below is a discussion of each of the geographic corridors and the alternative routes selected for filing within each corridor.

The west corridor routes containing Link E4 ("Link E4 Corridor Routes") vary in length from approximately 4.05 to 4.78 miles. Transmission line costs for Link E4 Corridor Routes range from an estimated $19,518,000 to $24,875,000. The Link E4 Corridor Routes range have a range of 31.3% to 64.0% of their total route length parallel to existing compatible corridors and a range of 6.8% to 10.7% of their total route length within existing Oncor easement or fee-owned property (collectively, Oncor right-of-way ["ROW"]). The seven alternatives filed in the CCN Application from the Link E4 Corridor Routes include Alternative Routes 1, 4, 5, 6, 46, 61, and 88.

The central corridor routes containing Link G4 ("Link G4 Corridor Routes") vary in length from approximately 4.11 to 4.66 miles. Transmission line costs for Link G4 Corridor Routes range from an estimated $19,514,000 to $25,591,000. The Link G4 Corridor Routes have a range of 26.6% to 68.3% of their total route length parallel to existing compatible corridors and a range of 6.7% to 10.2% of their total route length within existing Oncor. The six alternatives filed in the CCN Application from the Link G4 Corridor Routes include Alternative Routes 7, 13, 14, 50, 53, and 65.

The east corridor routes containing Link I4 ("Link I4 Corridor Routes") vary in length from approximately 4.20 to 5.23 miles. Transmission line costs for Link I4 Corridor Routes range from an estimated $18,115,000 to $28,794,000. The Link I4 Corridor Routes range have a range of 7.6% to 49.1% of their total route length parallel to existing compatible corridors and a range of 6.4% to 12.2% of their total route length within existing Oncor. The eight alternatives filed in the CCN Application from the Link I4 Corridor Routes include Alternative Routes 10, 15, 27, 52, 66, 73, 106, and 123.

Selection of Route 10 as the Route Best Addressing the Applicable Routing Factors

After holistically analyzing each of the 21 routes within the three geographic corridors, I selected Route 10 of the Link I4 Corridor Routes as the route that best meets the requirements of Texas Utilities Code Section 37.056 (c)(4)(A)-(D) and Commission Substantive Rule 25.101(b)(3)(B). Route 10 is comprised of Links A-B4-D3-F4-H4-I4-I5-I6-J.

Some of the significant factors which led to the selection of Route 10 include the following:

- The length of Route 10 is approximately 4.43 miles, which is only 0.38 mile longer than the shortest among all the filed routes (Routes 46 and 61) and approximately 0.80 mile shorter than the longest alternative route included in the Application (Route 123 is the longest at approximately 5.23 miles);
- The estimated transmission line cost for Route 10 is $18,115,000, which is approximately 0.68% more than the least expensive project cost (Route 52 estimated at $17,993,000) and is approximately 58.9% less than the most expensive (Route 106 estimated at $28,794,000);
- There are no habitable structures within 500 feet of the centerline of Route 10, and there are no habitable structures within 500 feet of the centerline of any alternative route included in the Application;
- Route 10 parallels existing compatible corridors (including apparent property boundaries) for approximately 35.4% of its length. Route 13 possesses the highest percentage parallel to existing compatible corridors (68.3%) but is longer in route length (4.66 miles). Route 66 has the lowest percentage parallel to existing compatible corridors (7.6%);
- Route 10 utilizes existing Oncor ROW for 10.2% of its length. Route 106 possesses the highest percentage of its route length within existing Oncor ROW (12.2%) but is longer in route length (5.15 miles). Route 73 had the lowest percentage (6.4%) of its route length within existing Oncor ROW;
- Route 10 has 1,941 feet of its route through commercial/industrial areas. Route lengths through commercial/industrial areas vary from 1,748 feet (Route 123) to 2,398 feet (Route 4);
- Route 10 crosses 21,458 feet of rangeland pasture. Route lengths crossing rangeland pasture vary from 19,374 feet (Route 61) to 25,844 feet (Route 123);
- Route 10 crosses no parks/recreational areas, does not have any parks/recreational areas within 1,000 feet of its centerline, and does not have any length of ROW within a foreground visual zone (0.5 mile of unobstructed view) of any parks/recreational areas. Because there are no parks/recreational areas within the study area, all alternative filed routes share these characteristics;
- Route 10 has no length of its route across potential wetlands. No filed route crosses potential wetlands;
- Route 10 has no streams crossed by its centerline. No filed route crosses a stream;
- Route 10 has no length of its route parallel to streams (within 100 feet), and there are no routes with any length parallel to streams (within 100 feet) included in the Application;
- Route 10 has no length of its route across lakes or ponds (open waters). No filed route crosses lakes or ponds (open waters);
- Route 10 has no recorded cultural resource site crossed by its centerline. No filed route has a recorded cultural resource site crossed by its centerline;
- Route 10 has: (i) no private airstrip or FAA-registered airport with all runways 3,200 feet or less within 10,000 feet of the centerline along its entire length; (ii) no FAA-registered airport with a runway greater than 3,200 feet within 20,000 feet of the centerline along its entire length; and (iii) no heliport within 5,000 feet of its centerline. All alternative filed routes share these characteristics;
- Route 10 has one electronic installation within 2,000 feet of its centerline. The range in electronic installations within 2,000 feet of the alternative filed route centerlines varies from 0 to 1;
- Route 10 crosses one State Highway, SH Loop 338, along its entire length. Due to the locations of the Reiter Switch and Tesoro Switch stations, all routes cross SH Loop 338;

- Route 10 crosses one Farm-to-Market ("FM") road, county road or other street along its entire length. All filed routes have one FM, county road or other street crossing;
- Route 10 has 5,281 feet of estimated ROW length within the foreground visual zone (0.5 mile of unobstructed view) of US and SH, which is the least (along with Route 7) among all filed routes. The filed routes range in estimated ROW length within the foreground visual zone of US and SH from 5,281 feet to 16,558 feet; and
- Route 10 has been judged to be feasible from an engineering perspective based on currently known conditions, without the benefit of on-the-ground and subsurface surveys. There are no currently-identifiable engineering constraints that impact this alternative route that cannot be addressed with additional consideration by Oncor during the engineering and construction processes.

Additional information concerning the issues addressed in this Memorandum can be found in the Environmental Assessment and Routing Study, included as Attachment No. 1 to the CCN Application, as well as my direct testimony filed concurrently with the CCN Application.

The following files are not convertible:

Att. 10 - Routing Memo Table 1.xlsx
Att. 10 - Routing Memo Table 2.xlsx
Att. 11 - List of Directly Affected Landowners for Notice and Courtesy Pipeline Notice.xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.

Application of Oncor Electric Delivery Company LLC to Amend a Certificate of Convenience and Necessity for the Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas

PUBLIC UTILITY COMMISSION OF TEXAS (PUC) DOCKET NO. 56799

LANDOWNER:

This notice is provided to notify you that Oncor Electric Delivery Company LLC ("Oncor") has applied to amend its certificate of convenience and necessity ("CCN") to construct, own, and operate a new double-circuit 345 kV transmission line between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County ("Proposed Transmission Line Project"). The location of the planned Reiter Switch is approximately 1.2 miles north of the intersection of State Highway ("SH") Loop 338 and Farm-to-Market Road ("FM") 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and SH Loop 338 near Odessa, Texas. The Proposed Transmission Line Project includes modifications to the existing 345 kV switchyard at Tesoro Switch. The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, with an estimated cost range of approximately $23,418,000 to $34,219,000 (including station costs), depending on which route is selected by the Public Utility Commission of Texas ("PUC").

Your land may be directly affected in this docket. If one of Oncor's routes is approved by the PUC, Oncor will have the right to build a facility which may directly affect your land. This docket will not determine the value of your land or the value of an easement if one is needed by Oncor to build the facility. If you have questions about this project, you may contact Christine Williams of Oncor at (214) 486-5841.

A detailed routing map may be reviewed at the following location:

Display Location	Address
Ector County Courthouse Annex	1010 E Eighth Street Odessa, TX 79761

All routes and route segments included in this notice are available for selection and approval by the Public Utility Commission of Texas.

Oncor is filing an application at the PUC to obtain approval for the Proposed Transmission Line Project. Landowners who are directly affected by the Proposed Transmission Line Project may intervene in the PUC proceeding. The enclosure entitled "Guide for Landowners Affected by a New Electric Transmission Line Route" provides basic information about how you may participate in this docket and how you may contact the PUC. Please read this guide carefully. The guide includes sample forms for making comments and for making a request to intervene as a party in this docket. ***The only way to fully participate in the proceeding is to intervene in this docket. It is important for an affected person to intervene because the utility is not obligated to keep affected***

persons informed of the PUC's proceedings and cannot predict which route may or may not be approved by the PUC.

In addition to the contacts listed in the guide, you may call the PUC's Customer Assistance Hotline at (888) 782-8477. Hearing- and speech-impaired individuals may contact the Commission through Relay Texas at 1-800-735-2989. If you wish to participate in this proceeding by becoming an intervenor, the deadline for intervention in the proceeding is **August 26, 2024**, which is 32 days after the filing of the application. The PUC must receive your request to intervene by that date if you choose to intervene. The request to intervene form is included with your guide.

The preferred method for you to file your request for intervention is electronically. If you decide to file a request for intervention, you will be required to serve the request on all other parties by email. Therefore, please include your own email address on the intervention form. Instructions for electronic filing via the "PUC Filer" on the PUC's website can be found here: https://interchange.puc.texas.gov/filer. Instructions for using the PUC Filer are available at https://ftp.puc.texas.gov/public/puct-info/industry/filings/E-Filing_Instructions.pdf. For assistance with your electronic filing, please contact the PUC's Help Desk at (512) 936-7100 or helpdesk@puc.texas.gov. You can review materials filed in this docket on the PUC Interchange at http://interchange.puc.texas.gov.

While the preferred method for submitting a request for intervention is electronically, you may file your request for intervention by mailing a hard copy of your request to the PUC. Any request must be received by the intervention deadline of **August 26, 2024**. If you are not filing your request for intervention electronically, mail the request for intervention and 10 copies of the request to:

Public Utility Commission of Texas
Central Records
Attn: Filing Clerk
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326

Persons who wish to intervene in the docket must also email or mail a copy of their request for intervention to all parties in the docket and all persons that have pending motions to intervene, at or before the time the request for intervention is electronically filed with, or mailed to, the PUC. In addition to the intervention deadline, other important deadlines may exist that affect your participation in this docket. You should review the orders and other filings made in the docket. The enclosed guide explains how you can access these filings.

Enclosures:

- Route Composition, Route Description and Maps
- Guide for Landowners Affected by a New Electric Transmission Line Route
- Request to Intervene Form
- Comment Form
- The State of Texas Landowner's Bill of Rights

Application of Oncor Electric Delivery Company LLC to Amend a Certificate of Convenience and Necessity for the Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas

PUBLIC UTILITY COMMISSION OF TEXAS (PUC) DOCKET NO. 56799

DOD Military Aviation and Installation Siting Clearinghouse, OPUC, County, or Municipality:

This notice is provided to notify you that Oncor Electric Delivery Company LLC ("Oncor") has applied to amend its certificate of convenience and necessity ("CCN") to construct, own, and operate a new double-circuit 345 kV transmission line between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County ("Proposed Transmission Line Project"). The location of the planned Reiter Switch is approximately 1.2 miles north of the intersection of State Highway ("SH") Loop 338 and Farm-to-Market Road ("FM") 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and SH Loop 338 near Odessa, Texas. The Proposed Transmission Line Project includes modifications to the existing 345 kV switchyard at Tesoro Switch. The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, with an estimated cost range of approximately $23,418,000 to $34,219,000 (including station costs), depending on which route is selected by the Public Utility Commission of Texas ("PUC").

Persons with questions about the transmission line may contact Christine Williams of Oncor at (214) 486-5841.

A detailed routing map may be reviewed at the following location:

Display Location	Address
Ector County Courthouse Annex	1010 E Eighth Street Odessa, TX 79761

All routes and route segments included in this notice are available for selection and approval by the Public Utility Commission of Texas.

Oncor is filing an application at the PUC to obtain approval for the Proposed Transmission Line Project. The preferred method for you to file your request for intervention is electronically. If you decide to file an electronic request for intervention electronically, you will be required to serve the request on all other parties by email. Therefore, please include your own email address on the intervention form. Instructions for electronic filing via the "PUC Filer" on the PUC's website can be found here: https://interchange.puc.texas.gov/filer. Instructions for using the PUC Filer are available at https://ftp.puc.texas.gov/public/puct-info/industry/filings/E-Filing_Instructions.pdf. For assistance with your electronic filing, please contact the PUC's Help

Desk at (512) 936-7100 or helpdesk@puc.texas.gov. You can review materials filed in this docket on the PUC Interchange at http://interchange.puc.texas.gov.

While the preferred method for submitting a request for intervention is electronically, you may file your request for intervention by mailing a hard copy of your request to the PUC. Any request must be received by the intervention deadline of **August 26, 2024**. If you are not filing your request for intervention electronically, mail the request for intervention and 10 copies of the request to:

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Central Records
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Austin, Texas 78711-3326

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The deadline for intervention in the docket is **August 26, 2024**, and the PUC must receive your request to intervene by that date if you choose to do so.

The PUC has a document titled "Guide for Landowners Affected by a New Electric Transmission Line Route." Copies of the guide may be requested by contacting Christine Williams of Oncor at (214) 486-5841 or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this docket, you may contact the PUC's Customer Assistance Hotline at (512) 936-7120 or (888) 782-8477. Hearing- and speech-impaired individuals may contact the Commission through Relay Texas at 1-800-735-2989. In addition to the intervention deadline, other important deadlines may exist that affect your participation in this docket. As such, you should review the orders and other filings made in the docket.

Enclosures:

- Route Composition, Route Description and Maps

Application of Oncor Electric Delivery Company LLC to Amend a Certificate of Convenience and Necessity for the Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas

PUBLIC UTILITY COMMISSION OF TEXAS (PUC) DOCKET NO. 56799

This notice is provided to notify you that Oncor Electric Delivery Company LLC ("Oncor") has applied to amend its certificate of convenience and necessity ("CCN") to construct, own, and operate a new double-circuit 345 kV transmission line between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County ("Proposed Transmission Line Project"). The location of the planned Reiter Switch is approximately 1.2 miles north of the intersection of State Highway ("SH") Loop 338 and Farm-to-Market Road ("FM") 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and SH Loop 338 near Odessa, Texas. The Proposed Transmission Line Project includes modifications to the existing 345 kV switchyard at Tesoro Switch. The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, with an estimated cost range of approximately $23,418,000 to $34,219,000 (including station costs), depending on which route is selected by the Public Utility Commission of Texas ("PUC").

Persons with questions about the transmission line may contact Christine Williams of Oncor at (214) 486-5841.

A detailed routing map may be reviewed at the following location:

Display Location	Address
Ector County Courthouse Annex	1010 E Eighth Street Odessa, TX 79761

All routes and route segments included in this notice are available for selection and approval by the Public Utility Commission of Texas.

Oncor is filing an application at the PUC to obtain approval for the Proposed Transmission Line Project. The preferred method for you to file your request for intervention is electronically. If you decide to file a request for intervention electronically, you will be required to serve the request on all other parties by email. Therefore, please include your own email address on the intervention form. Instructions for electronic filing via the "PUC Filer" on the PUC's website can be found here: https://interchange.puc.texas.gov/filer. Instructions for using the PUC Filer are available at https://ftp.puc.texas.gov/public/puct-info/industry/filings/E-Filing_Instructions.pdf. For assistance with your electronic filing, please contact the PUC's Help Desk at (512) 936-7100 or helpdesk@puc.texas.gov. You can review materials filed in this docket on the PUC Interchange at http://interchange.puc.texas.gov.

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The deadline for intervention in the docket is **August 26, 2024**, and the PUC must receive your request to intervene by that date if you choose to do so.

The PUC has a document titled "Guide for Landowners Affected by a New Electric Transmission Line Route." Copies of the guide may be requested by contacting Christine Williams of Oncor at (214) 486-5841 or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this docket, you may contact the PUC's Customer Assistance Hotline at (512) 936-7120 or (888) 782-8477. Hearing- and speech-impaired individuals may contact the Commission through Relay Texas at 1-800-735-2989. In addition to the intervention deadline, other important deadlines may exist that affect your participation in this docket. As such, you should review the orders and other filings made in the docket.

Application of Oncor Electric Delivery Company LLC to Amend a Certificate of Convenience and Necessity for the Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas

PUBLIC UTILITY COMMISSION OF TEXAS (PUC) DOCKET NO. 56799

Pipeline Owner/Operator or Association

This courtesy notice is provided to notify you that Oncor Electric Delivery Company LLC ("Oncor") has applied to amend its certificate of convenience and necessity ("CCN") to construct, own, and operate a new double-circuit 345 kV transmission line between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County ("Proposed Transmission Line Project"). The location of the planned Reiter Switch is approximately 1.2 miles north of the intersection of State Highway ("SH") Loop 338 and Farm-to-Market Road ("FM") 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and SH Loop 338 near Odessa, Texas. The Proposed Transmission Line Project includes modifications to the existing 345 kV switchyard at Tesoro Switch. The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, with an estimated cost range of approximately $23,418,000 to $34,219,000 (including station costs), depending on which route is selected by the Public Utility Commission of Texas ("PUC").

Persons with questions about the transmission line may contact Christine Williams of Oncor at (214) 486-5841.

A detailed routing map may be reviewed at the following location:

Display Location	Address
Ector County Courthouse Annex	1010 E Eighth Street Odessa, TX 79761

All routes and route segments included in this notice are available for selection and approval by the Public Utility Commission of Texas.

Oncor is filing an application at the PUC to obtain approval for the Proposed Transmission Line Project. The preferred method for you to file your request for intervention is electronically. If you decide to file a request for intervention, you will be required to serve the request on all other parties by email. Therefore, please include your own email address on the intervention form. Instructions for electronic filing via the "PUC Filer" on the PUC's website can be found here: https://interchange.puc.texas.gov/filer. Instructions for using the PUC Filer are available at https://ftp.puc.texas.gov/public/puct-info/industry/filings/E-Filing_Instructions.pdf. For assistance with your electronic filing, please contact the PUC's Help Desk at (512) 936-7100 or helpdesk@puc.texas.gov. You can review materials filed in this docket on the PUC Interchange at http://interchange.puc.texas.gov.

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Public Utility Commission of Texas
Central Records
Attn: Filing Clerk
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Austin, Texas 78711-3326

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The deadline for intervention in the docket is **August 26, 2024**, and the PUC must receive your request to intervene by that date if you choose to do so.

The PUC has a document titled "Guide for Landowners Affected by a New Electric Transmission Line Route." Copies of the guide may be requested by contacting Christine Williams of Oncor at (214) 486-5841 or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this docket, you may contact the PUC's Customer Assistance Hotline at (512) 936-7120 or (888) 782-8477. Hearing- and speech-impaired individuals may contact the Commission through Relay Texas at 1-800-735-2989. In addition to the intervention deadline, other important deadlines may exist that affect your participation in this docket. As such, you should review the orders and filings made in the docket.

Enclosures:

- Route Composition, Route Description and Maps

Christine Williams
Sr. Project Manager

July 25, 2024

Mr. John Silovsky – Director of Wildlife
Texas Parks and Wildlife Department
4200 Smith School Road
Austin, Texas 78744

Re: PUC Docket No. *56799, Application of Oncor Electric Delivery Company LLC to Amend a Certificate of Convenience and Necessity for the Reiter Switch – Tesoro Switch 345 kV Transmission Line Project in Ector and Midland Counties, Texas*

Dear Mr. Silovsky:

Pursuant to the rules of the Public Utility Commission of Texas ("Commission"), please find enclosed a copy of the environmental assessment and routing study ("EA") that is being attached to Oncor Electric Delivery Company LLC's ("Oncor's") application, also enclosed, which requests certification for the Reiter Switch – Tesoro Switch 345 kV Transmission Line project in Ector Midland counties ("Proposed Transmission Line Project"). This application was filed at the Commission on July 25, 2024, in Commission Docket No. 56799.

This docket concerns Oncor's request for approval to construct, own, and operate a new double-circuit 345 kV transmission line between Oncor's planned Reiter Switch in Ector County and Oncor's existing Tesoro Switch in Midland County. The location of the planned Reiter Switch is approximately 1.2 miles north of the intersection of State Highway Loop 338 and Farm-to-Market Road 3503, south of Odessa, Texas. The Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway 20 and SH Loop 338 near Odessa, Texas.

The Proposed Transmission Line Project includes modifications to the existing 345 kV switchyard at Tesoro Switch and to the planned 345 kV switchyard at Reiter Switch. The length of the Proposed Transmission Line Project is approximately 4.0 to 5.2 miles, with an estimated cost range of approximately $27,117,000 to $37,918,000 (including station costs), depending on which route is selected by the Commission.

The EA provides a detailed description of the data gathered and analyzed by Halff Associates, Inc., the environmental/routing consultant retained by Oncor for the proposed project.

Oncor respectfully requests to be copied on any correspondence that TPWD might send to the Commission regarding this project. Please contact me if you have any questions regarding this transmittal or the Proposed Transmission Line Project.

Sincerely,

Christine Williams

Christine Williams

cc w/o attachments:
Therese Harris, Public Utility Commission of Texas
Jaren Taylor, Vinson & Elkins

Oncor
1616 Woodall Rodgers Fwy
Dallas, Texas 75202
Tel 214.486.5841
Christine.Williams@oncor.com

The following files are not convertible:

Att. Nos. 12-15 - Notice Composition of Routes.xlsx

Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.

Link A
Link A begins at the location of the Reiter Switch, located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of FM 3503 in Ector County. From this point the link proceeds in a northeasterly direction approximately 630 feet before terminating at the intersection of **Links A, A1, B0, B3**, and **B4**, which is located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 1,210 feet east of FM 3503.

Link A1
Link A1 begins at the intersection of **Links A, A1, B0, B3**, and **B4**, located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 1,210 feet east of FM 3503 in Ector County. From this point the link proceeds in a northeasterly direction approximately 140 feet before terminating at the intersection of **Links A1, A2,** and **B2**, which is located approximately 4,000 feet south of Bates Field Road (Ector CR 1285) and 1,360 feet east of FM 3503.

Link A2
Link A2 begins at the intersection of **Links A1, A2,** and **B2**, located approximately 4,000 feet south of Bates Field Road (Ector CR 1285) and 1,360 feet east of FM 3503 in Ector County. From this point the link proceeds in a southeasterly direction approximately 450 feet to an angle point. From this angle point, Link A2 proceeds in a northeasterly direction approximately 360 feet before terminating at the intersection of **Links A2, A3,** and **A4**, which is located approximately 4,460 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet east of FM 3503.

Link A3
Link A3 begins at the intersection of **Links A3, B0**, and **B1**, located approximately 4,320 feet south of Bates Field Road (Ector CR 1285) and 1,720 feet east of FM 3503 in Ector County. From this point the link proceeds in a southeasterly direction approximately 140 feet before terminating at the intersection of **Links A2, A3,** and **A4**, which is located approximately 4,460 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet east of FM 3503.

Link A4
Link A4 begins at the intersection of **Links A2, A3,** and **A4**, located approximately 4,460 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet east of FM 3503 in Ector County. From this point the link proceeds in a southeasterly direction approximately 1,160 feet to an angle point. From this angle point, Link A4 proceeds in a northeasterly direction approximately 2,490 feet before terminating at the intersection of **Links A4, B1,** and **E0**, which is located approximately 5,930 feet south of Bates Field Road (Ector CR 1285) and 120 feet west of Loop 338.

Link B0
Link B0 begins at the intersection of **Links A, A1, B0, B3**, and **B4**, located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 1,210 feet east of FM 3503 in Ector County. From this point the link proceeds in a southeasterly direction approximately 580 feet before terminating at the intersection of **Links A3, B0,** and **B1**, which is located approximately 4,320 feet south of Bates Field Road (Ector CR 1285) and 1,720 feet east of FM 3503.

Link B1
Link B1 begins at the intersection of **Links A3, B0**, and **B1**, located approximately 4,320 feet south of Bates Field Road (Ector CR 1285) and 1,720 feet east of FM 3503 in Ector County. From this point the link proceeds in a southeasterly direction approximately 2,920 feet before

terminating at the intersection of **Links A4, B1,** and **E0**, which is located approximately 5,930 feet south of Bates Field Road (Ector CR 1285) and 120 feet west of Loop 338.

Link B2

Link B2 begins at the intersection of **Links A1, A2,** and **B2**, located approximately 4,000 feet south of Bates Field Road (Ector CR 1285) and 1,360 feet east of FM 3503 in Ector County. From this point the link proceeds in a northeasterly direction approximately 2,660 feet, crossing a natural gas pipeline and a liquids pipeline. Link B2 then terminates at the intersection of **Links B2, C1,** and **D1**, which is located approximately 4,020 feet south of Bates Field Road (Ector CR 1285) and 1,130 feet west of Loop 338.

Link B3

Link B3 begins at the intersection of **Links A, A1, B0, B3,** and **B4**, located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 1,210 feet east of FM 3503 in Ector County. From this point the link proceeds in a northeasterly direction approximately 2,360 feet, crossing two natural gas pipelines, a liquids pipeline and a crude oil pipeline. From this angle point, Link B3 proceeds in a northeasterly direction approximately 860 feet before terminating at the intersection of **Links B3, C1, C2,** and **D2**, which is located approximately 2,630 feet south of Bates Field Road (Ector CR 1285) and 1,660 feet west of Loop 338.

Link B4

Link B4 begins at the intersection of **Links A, A1, B0, B3,** and **B4**, located approximately 3,990 feet south of Bates Field Road (Ector CR 1285) and 1,210 feet east of FM 3503 in Ector County. From this point the link proceeds in a northwesterly direction approximately 2,770 feet, crossing two natural gas pipelines, a crude oil pipeline and a liquids pipeline. From this angle point, Link B4 proceeds in a northeasterly direction approximately 2,800 feet before terminating at the intersection of **Links B4, C2,** and **D3**, which is located approximately 1,120 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet west of Loop 338.

Link C1

Link C1 begins at the intersection of **Links B2, C1,** and **D1**, located approximately 4,020 feet south of Bates Field Road (Ector CR 1285) and 1,130 feet west of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 1,350 feet, crossing a natural gas pipeline and a crude oil pipeline. Link C1 then terminates at the intersection of **Links B3, C1, C2,** and **D2**, which is located approximately 2,630 feet south of Bates Field Road (Ector CR 1285) and 1,660 feet west of Loop 338.

Link C2

Link C2 begins at the intersection of **Links B3, C1, C2,** and **D2**, located approximately 2,630 feet south of Bates Field Road (Ector CR 1285) and 1,660 feet west of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 1,450 feet before terminating at the intersection of **Links B4, C2,** and **D3**, which is located approximately 1,120 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet west of Loop 338.

Link D1

Link D1 begins at the intersection of **Links B2, C1,** and **D1**, located approximately 4,020 feet south of Bates Field Road (Ector CR 1285) and 1,130 feet west of Loop 338 in Ector County. From this point the link proceeds in a southeasterly direction approximately 2,560 feet, crossing Loop 338 and two natural gas pipelines. Link D1 then terminates at the intersection of **Links**

D1, E1, E2, and **F2**, which is located approximately 5,330 feet south of Bates Field Road (Ector CR 1285) and 1,490 feet east of Loop 338.

Link D2

Link D2 begins at the intersection of **Links B3, C1, C2,** and **D2**, located approximately 2,630 feet south of Bates Field Road (Ector CR 1285) and 1,660 feet west of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 2,230 feet, crossing three natural gas pipelines, a crude oil pipeline and Loop 338. Link D2 then terminates at the intersection of **Links D2, E2, E3,** and **F3**, which is located approximately 2,600 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338.

Link D3

Link D3 begins at the intersection of **Links B4, C2,** and **D3**, located approximately 1,120 feet south of Bates Field Road (Ector CR 1285) and 1,730 feet west of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 2,240 feet, crossing three natural gas pipelines, a crude oil pipeline and Loop 338. Link D3 then terminates at the intersection of **Links D3, E3, E4,** and **F4**, which is located approximately 1,110 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338.

Link E0

Link E0 begins at the intersection of **Links A4, B1,** and **E0**, located approximately 5,930 feet south of Bates Field Road (Ector CR 1285) and 120 feet west of Loop 338 in Ector County. From this point the link proceeds in a southeasterly direction approximately 1,270 feet, crossing Loop 338. Link E0 then terminates at the intersection of **Links E0, E1,** and **F1**, which is located approximately 6,610 feet south of Bates Field Road (Ector CR 1285) and 1,170 feet east of Loop 338.

Link E1

Link E1 begins at the intersection of **Links E0, E1,** and **F1**, located approximately 6,610 feet south of Bates Field Road (Ector CR 1285) and 1,170 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 1,570 feet, crossing two natural gas pipelines and a liquids pipeline. Link E1 then terminates at the intersection of **Links D1, E1, E2,** and **F2**, which is located approximately 5,330 feet south of Bates Field Road (Ector CR 1285) and 1,490 feet east of Loop 338.

Link E2

Link E2 begins at the intersection of **Links D1, E1, E2,** and **F2**, located approximately 5,330 feet south of Bates Field Road (Ector CR 1285) and 1,490 feet east of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 2,650 feet, crossing a natural gas pipeline. Link E2 then terminates at the intersection of **Links D2, E2, E3**, and **F3**, which is located approximately 2,600 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338.

Link E3

Link E3 begins at the intersection of **Links D2, E2, E3**, and **F3**, located approximately 2,600 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 1,450 feet before terminating at the intersection of **Links D3, E3, E4**, and **F4,** which is located approximately 1,110 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338.

Link E4

Link E4 begins at the intersection of **Links D3, E3, E4**, and **F4**, located approximately 1,110 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 2,820 feet, crossing a liquids pipeline, Bates Field Road (Ector CR 1285), and three refined liquid product pipelines. Link E4 then terminates at the intersection of **Links E4, E5**, and **F5**, which is located approximately 1,800 feet north of Bates Field Road (Ector CR 1285) and 580 feet east of Loop 338.

Link E5

Link E5 begins at the intersection of **Links E4, E5**, and **F5**, located approximately 1,800 feet north of Bates Field Road (Ector CR 1285) and 580 feet east of Loop 338 in Ector County. From this point the link proceeds in a northwesterly direction approximately 2,230 feet, crossing a liquids pipeline and an existing transmission line. Link E5 then terminates at the intersection of **Links E5, E6,** and **F6**, which is located approximately 4,100 feet north of Bates Field Road (Ector CR 1285) and 630 feet east of Loop 338.

Link E6

Link E6 begins at the intersection of **Links E5, E6,** and **F6**, located approximately 4,100 feet north of Bates Field Road (Ector CR 1285) and 630 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 1,750 feet to an angle point. From this angle point, the link proceeds in a northeasterly direction approximately 2,620 feet, crossing five natural gas pipelines, a crude FWS pipeline, a liquids pipeline and the Ector/Midland County boundary. Link E6 terminates at the intersection of **Links E6, F8,** and **F9**, which is located approximately 5,880 feet north of Midland CR 171 and 4,070 feet east of Loop 338 in Midland County.

Link F1

Link F1 begins at the intersection of **Links E0, E1,** and **F1**, located approximately 6,610 feet south of Bates Field Road (Ector CR 1285) and 1,170 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 5,460 feet, crossing two natural gas pipelines, two liquids pipelines and the and the Ector/Midland County boundary. Link F1 terminates at the intersection of **Links F1, G1,** and **H1**, which is located approximately 6,660 feet south of Midland CR 171 and 3,450 feet west of CR 1325 in Midland County.

Link F2

Link F2 begins at the intersection of **Links D1, E1, E2,** and **F2**, located approximately 2,600 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 4,480 feet, crossing the Ector/Midland County boundary, a natural gas pipeline, and a liquids pipeline. Link F2 terminates at the intersection of **Links F2, G1, G2,** and **H2**, which is located approximately 5,290 feet south of Midland CR 171 and 3,470 feet west of CR 1325 in Midland County.

Link F3

Link F3 begins at the intersection of **Links D2, E2, E3,** and **F3**, located approximately 2,600 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 4,440 feet, crossing the Ector/Midland County boundary, a liquids pipeline, and a natural gas pipeline. Link F3 terminates at the intersection of **Links F3, G2, G3,** and **H3**, which is located approximately 2,600 feet south of Midland CR 171 and 3,500 feet west of CR 1325 in Midland County.

Link F4
Link F4 begins at the intersection of **Links D3, E3, E4,** and **F4**, located approximately 1,110 feet south of Bates Field Road (Ector CR 1285) and 570 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 4,420 feet, crossing the Ector/Midland County boundary, a liquids pipeline, and a natural gas pipeline. Link F4 terminates at the intersection of **Links F4, G3, G4,** and **H4**, which is located approximately 1,070 feet south of Midland CR 171 and 3,520 feet west of CR 1325 in Midland County.

Link F5
Link F5 begins at the intersection of **Links E4, E5,** and **F5**, located approximately 1,800 feet north of Bates Field Road (Ector CR 1285) and 580 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction approximately 4,420 feet, crossing a liquids pipeline and the Ector/Midland County boundary. Link F5 terminates at the intersection of **Links F5, G4, G5,** and **H5**, which is located approximately 1,810 feet north of Midland CR 171 and 5,130 feet east of Loop 338 in Midland County.

Link F6
Link F6 begins at the intersection of **Links E5, E6,** and **F6**, located approximately 4,100 feet north of Bates Field Road (Ector CR 1285) and 630 feet east of Loop 338 in Ector County. From this point the link proceeds in a northeasterly direction, parallel to the north side of an existing transmission line for approximately 2,810 feet, crossing five natural gas pipelines, a crude FWS pipeline, a liquids pipeline, and the Ector/Midland County boundary. Link F6 terminates at the intersection of **Links F6, F7,** and **F8**, which is located approximately 4,100 feet north of Midland CR 171 and 3,580 feet east of Loop 338 in Midland County.

Link F7
Link F7 begins at the intersection of **Links F6, F7,** and **F8**, located approximately 4,100 feet north of Midland CR 171 and 3,580 feet east of Loop 338 in Midland County. From this point the link proceeds in a northeasterly direction, parallel to the north side of an existing transmission line for approximately 1,300 feet before terminating at the intersection of **Links F7, G6,** and **G7**, which is located approximately 4,080 feet north of Midland CR 171 and 4,930 feet east of Loop 338.

Link F8
Link F8 begins at the intersection of **Links F6, F7,** and **F8**, located approximately 4,100 feet north of Midland CR 171 and 3,580 feet east of Loop 338 in Midland County. From this point the link proceeds in a northerly direction approximately 1,790 feet before terminating at the intersection of **Links E6, F8,** and **F9**, which is located approximately 5,880 feet north of Midland CR 171 and 4,070 feet east of Loop 338.

Link F9
Link F9 begins at the intersection of **Links E6, F8,** and **F9**, located approximately 5,880 feet north of Midland CR 171 and 4,070 feet east of Loop 338 in Midland County. From this point the link proceeds in a northeasterly direction, parallel to the south side of an existing transmission line for approximately 1,870 feet, crossing two natural gas pipelines. Link F9 terminates at the intersection of **Links F9, G7,** and **H7**, which is located approximately 5,900 feet north of Midland CR 171 and 6,000 feet east of Loop 338.

Link G1
Link G1 begins at the intersection of **Links F1, G1,** and **H1**, located approximately 6,660 feet south of Midland CR 171 and 3,450 feet west of CR 1325 in Midland County. From this point

the link proceeds in a northwesterly direction approximately 1,320 before terminating at the intersection of **Links F2, G1, G2,** and **H2**, which is located approximately 5,290 feet south of Midland CR 171 and 3,470 feet west of CR 1325.

Link G2

Link G2 begins at the intersection of **Links F2, G1, G2,** and **H2,** located approximately 5,290 feet south of Midland CR 171 and 3,470 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction approximately 2,610 feet, crossing a natural gas pipeline. Link G2 terminates at the intersection of **Links F3, G2, G3,** and **H3**, which is located approximately 2,600 feet south of Midland CR 171 and 3,500 feet west of CR 1325.

Link G3

Link G3 begins at the intersection of **Links F3, G2, G3,** and **H3,** located approximately 2,600 feet south of Midland CR 171 and 3,500 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction approximately 1,480 feet before terminating at the intersection of **Links F4, G3, G4,** and **H4**, which is located approximately 1,070 feet south of Midland CR 171 and 3,520 feet west of CR 1325.

Link G4

Link G4 begins at the intersection of **Links F4, G3, G4,** and **H4,** located approximately 1,070 feet south of Midland CR 171 and 3,520 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction approximately 2,780 feet, crossing Midland CR 171 and three refined liquid product pipelines. Link G4 terminates at the intersection of **Links F5, G4, G5,** and **H5**, which is located approximately 1,810 feet north of Midland CR 171 and 5,130 feet east of Loop 338.

Link G5

Link G5 begins at the intersection of **Links F5, G4, G5,** and **H5,** located approximately 1,810 feet north of Midland CR 171 and 5,130 feet east of Loop 338 in Midland County. From this point the link proceeds in a northwesterly direction approximately 610 feet before terminating at the intersection of **Links G5, G6,** and **H6**, which is located approximately 2,440 feet north of Midland CR 171 and 5,150 feet east of Loop 338.

Link G6

Link G6 begins at the intersection of **Links G5, G6,** and **H6**, located approximately 2,440 feet north of Midland CR 171 and 5,150 feet east of Loop 338 in Midland County. From this point the link proceeds in a northwesterly direction approximately 600 feet to an angle point, crossing a liquids pipeline. From this angle point, the link proceeds in a northwesterly direction approximately 1,080 feet, crossing five natural gas pipelines, a crude FWS pipeline, and an existing transmission line. Link **G6** terminates at the intersection of **Links F7, G6,** and **G7**, which is located approximately 4,080 feet north of Midland CR 171 and 4,930 feet east of Loop 338.

Link G7

Link G7 begins at the intersection of **Links F7, G6,** and **G7**, located approximately 4,080 feet north of Midland CR 171 and 4,930 feet east of Loop 338 in Midland County. From this point the link proceeds in a northeasterly direction approximately 2,050 feet, crossing two natural gas pipelines. Link G7 terminates at the intersection of **Links F9, G7,** and **H7**, which is located approximately 5,900 feet north of Midland CR 171 and 6,000 feet east of Loop 338.

Link H1
Link H1 begins at the intersection of **Links F1, G1,** and **H1**, located approximately 6,660 feet south of Midland CR 171 and 3,450 feet west of CR 1325 in Midland County. From this point the link proceeds in a northeasterly direction for approximately 2,740 feet, crossing four natural gas pipelines and a liquids pipeline. Link H1 terminates at the intersection of **Links H1** and **I1**, which is located approximately 6,700 feet south of Midland CR 171 and 630 feet west of CR 1325.

Link H2
Link H2 begins at the intersection of **Links F2, G1, G2,** and **H2**, located approximately 5,290 feet south of Midland CR 171 and 3,470 feet west of CR 1325 in Midland County. From this point the link proceeds in a northeasterly direction for approximately 2,780 feet, crossing three natural gas pipelines and a liquids pipeline. Link H2 terminates at the intersection of **Links H2, I1,** and **I2**, which is located approximately 5,280 feet south of Midland CR 171 and 600 feet west of CR 1325.

Link H3
Link H3 begins at the intersection of **Links F3, G2, G3,** and **H3**, located approximately 2,600 feet south of Midland CR 171 and 3,500 feet west of CR 1325 in Midland County. From this point the link proceeds in a northeasterly direction for approximately 2,910 feet, crossing four natural gas pipelines and a liquids pipeline. Link H3 terminates at the intersection of **Links H3, I2,** and **I3**, which is located approximately 2,170 feet south of Midland CR 171 and 530 feet west of CR 1325.

Link H4
Link H4 begins at the intersection of **Links F4, G3, G4,** and **H4**, located approximately 1,070 feet south of Midland CR 171 and 3,520 feet west of CR 1325 in Midland County. From this point the link proceeds in a northeasterly direction for approximately 2,870 feet crossing four natural gas pipelines and a liquids pipeline. Link H4 terminates at the intersection of **Links H4, I3,** and **I4**, which is located approximately 1,040 feet south of Midland CR 171 and 560 feet west of CR 1325.

Link H5
Link H5 begins at the intersection of **Links F5, G4, G5,** and **H5**, located approximately 1,810 feet north of Midland CR 171 and 5,130 feet east of Loop 338 in Midland County. From this point the link proceeds in a northeasterly direction for approximately 2,800 feet, crossing three natural gas pipelines and a liquids pipeline. Link H5 terminates at the intersection of **Links H5, I4,** and **I5**, which is located approximately 1,800 feet north of Midland CR 171 and 8,040 feet east of Loop 338.

Link H6
Link H6 begins at the intersection of **Links G5, G6,** and **H6**, located approximately 2,440 feet north of Midland CR 171 and 5,150 feet east of Loop 338 in Midland County. From this point the link proceeds in a northerly direction approximately 1,340 feet, crossing six natural gas pipelines, a crude FWS, and a liquids pipeline. From this angle point, the link proceeds in a northeasterly direction, parallel to the south side of an existing transmission line for approximately 2,280 feet, crossing four natural gas pipelines and a liquids pipeline. Link H6 terminates at the intersection of **Links H6, I5,** and **I6**, which is located approximately 3,730 feet north of Midland CR 171 and 8,040 feet east of Loop 338.

Link H7

Link H7 begins at the intersection of **Links F9, G7,** and **H7**, located approximately 5,900 feet north of Midland CR 171 and 6,000 feet east of Loop 338 in Midland County. From this point the link proceeds in a northeasterly direction, parallel to the south side of an existing transmission line for approximately 1,740 feet, crossing three natural gas pipelines and a liquids pipeline. Link H7 terminates at the intersection of **Links H7, I6,** and **J**, which is located approximately 5,920 feet north of Midland CR 171 and 7,780 feet east of Loop 338.

Link I1

Link I1 begins at the intersection of **Links H1** and **I1**, located approximately 6,700 feet south of Midland CR 171 and 630 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 1,370 feet before terminating at the intersection of **Links H2, I1** and **I2**, which is located approximately 5,280 feet south of Midland CR 171 and 600 feet west of CR 1325.

Link I2

Link I2 begins at the intersection of **Links H2, I1,** and **I2**, located approximately 5,280 feet south of Midland CR 171 and 600 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 3,000 feet, crossing one crude oil pipeline and four natural gas pipelines. Link I2 terminates at the intersection of **Links H3, I2,** and **I3**, which is located approximately 2,170 feet south of Midland CR 171 and 530 feet west of CR 1325.

Link I3

Link I3 begins at the intersection of **Links H3, I2,** and **I3**, located approximately 2,170 feet south of Midland CR 171 and 530 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 1,090 feet before terminating at the intersection of **Links H4, I3,** and **I4**, which is located approximately 1,040 feet south of Midland CR 171 and 560 feet west of CR 1325.

Link I4

Link I4 begins at the intersection of **Links H4, I3,** and **I4**, located approximately 1,040 feet south of Midland CR 171 and 560 feet west of CR 1325 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 2,760 feet, crossing Midland CR 171 and three refined liquid product pipelines. Link I4 terminates at the intersection of **Links H5, I4,** and **I5**, which is located approximately 1,800 feet north of Midland CR 171 and 8,040 feet east of Loop 338.

Link I5

Link I5 begins at the intersection of **Links H5, I4,** and **I5**, located approximately 1,800 feet north of Midland CR 171 and 8,040 feet east of Loop 338 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 1,870 feet before terminating at the intersection of **Links H6, I5,** and **I6**, which is located approximately 3,730 feet north of Midland CR 171 and 8,040 feet east of Loop 338.

Link I6

Link I6 begins at the intersection of **Links H6, I5,** and **I6**, located approximately 3,730 feet north of Midland CR 171 and 8,040 feet east of Loop 338 in Midland County. From this point the link proceeds in a northwesterly direction for approximately 930 feet to a slight angle point, crossing an existing transmission line and a natural gas pipeline. From this slight angle point, the link proceeds in a northwesterly direction approximately 1,210 feet, crossing a natural gas pipeline.

Link I6 terminates at the intersection of **Links H7, I6,** and **J**, which is located approximately 5,920 feet north of Midland CR 171 and 7,780 feet east of Loop 338.

Link J

Link J begins at the intersection of **Links H7, I6,** and **J**, located approximately 5,920 feet north of Midland CR 171 and 7,780 feet east of Loop 338 in Midland County. From this point the link proceeds in a northwesterly direction, parallel to the east and west sides of existing transmission lines for approximately 910 feet. Link J then terminates at the Tesoro Switch, which is located approximately 7,550 feet north of Midland CR 171 and 6,850 feet east of Loop 338 in Midland County.