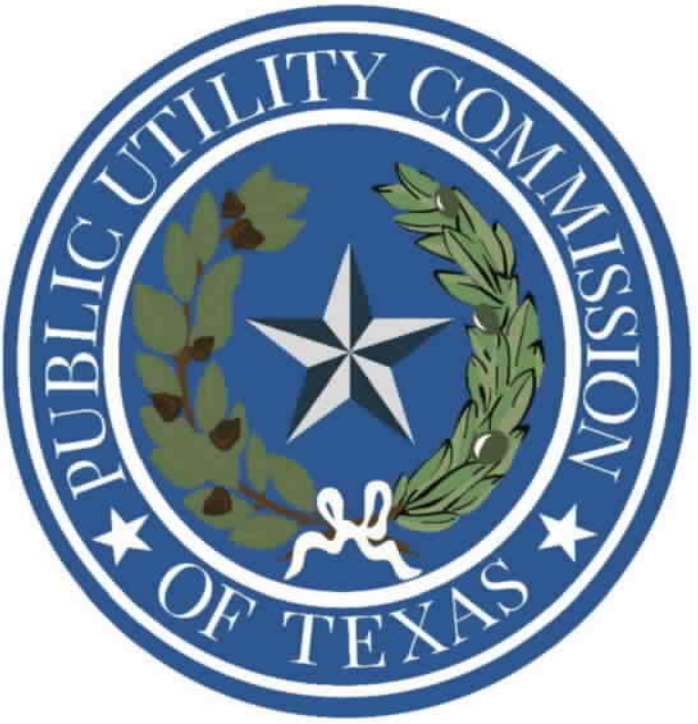

Filing Receipt

Filing Date - 2024-07-25 03:34:35 PM

Control Number - 56799

Item Number - 5

PUC DOCKET NO. 56799

DIRECT TESTIMONY
OF KALEB ROBERTS, WITNESS FOR
ONCOR ELECTRIC DELIVERY COMPANY LLC

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Exhibit KR-1 Resume of Kaleb Roberts

DIRECT TESTIMONY OF KALEB ROBERTS

I. POSITION AND QUALIFICATIONS

Q. PLEASE STATE YOUR NAME, EMPLOYMENT POSITION, AND BUSINESS ADDRESS.

A. My name is Kaleb Roberts. I am employed as a Senior Engineer in the Transmission Engineering Line Design group at Oncor Electric Delivery Company LLC ("Oncor"). My business address is 777 Main St., Suite 707, Fort Worth, Texas 76102.

Q. PLEASE DESCRIBE YOUR PROFESSIONAL QUALIFICATIONS.

A. I am the lead Oncor engineer responsible for the design, development, and execution of the Reiter Switch-Tesoro Switch 345 kV transmission line project ("Proposed Transmission Line Project"). I have been employed at Oncor as a Senior Engineer since June of 2022. Prior to my employment at Oncor, my professional experience was dedicated to engineering and project management at another electric utility. I am a licensed professional engineer in the State of Texas (License No. 151189). I received a Bachelor of Science degree in Construction Engineering and Management Technology from Purdue University North Central in 2010. My educational and professional qualifications are more fully presented in my resume, which is attached hereto as Exhibit KR-1.

Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE THE PUBLIC UTILITY COMMISSION OF TEXAS ("COMMISSION")?

A. No, I have not.

II. PURPOSE OF TESTIMONY

Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?

A. The purpose of my direct testimony is to introduce, support, describe, and sponsor the project schedule, financing, and cost estimates included in Oncor's Standard Application for a Certificate of Convenience and Necessity ("CCN") for a Proposed Transmission Line filed in this docket (the "Application"). My testimony will also introduce, support, sponsor, and

describe the following aspects associated with the Proposed Transmission Line Project: structure and conductor selection; station construction; neighboring utilities and political subdivisions; known engineering constraints; project permitting; and generation impacts.

I sponsor Oncor's responses to Application Question Nos. 1-13 and 20, as well as Attachment Nos. 2-3 to the Application. The Application, as it may be amended and/or supplemented, will be offered into evidence by Oncor at the hearing on the merits. My direct testimony was prepared by me or under my direct supervision. The facts and statements set forth in the portions of the Application that I sponsor are true and correct to the best of my knowledge.

III. DESCRIPTION OF PROPOSED TRANSMISSION LINE PROJECT

Q. PLEASE GENERALLY DESCRIBE THE PROPOSED TRANSMISSION LINE PROJECT.

A. The Proposed Transmission Line Project is part of Oncor's overall West Texas 345 kV Infrastructure Rebuild Project, which ERCOT endorsed. The Proposed Transmission Line Project includes constructing a new 4.0- to 5.2-mile, double-circuit 345 kV transmission line connecting Oncor's planned Reiter Switch station in Ector County to Oncor's existing Tesoro Switch station in Midland County. The transmission line is proposed to be built on double-circuit lattice steel towers.

The planned Reiter Switch will be energized independent of the Proposed Transmission Line Project before the start of construction for the proposed transmission line. The Tesoro Switch is already in-use. This project seeks approval to construct the proposed transmission line and station work needed to terminate the line at each of the switching stations.

The Proposed Transmission Line Project will be designed and constructed to meet or exceed the specifications and/or criteria set forth in the latest edition of the National Electrical Safety Code ("NESC"), the

statutes of the State of Texas, the Commission's rules, and Oncor's standard design practices.

Q. WILL NEW PERMANENT RIGHT-OF-WAY ("ROW") BE REQUIRED FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. Yes. The Proposed Transmission Line Project will require a standard right-of-way ("ROW") width of approximately 160 feet, although additional ROW width and/or alternate structures may be required in certain areas to address engineering constraints.

IV. PROJECT SCHEDULE AND FINANCING

Q. WHAT IS THE CURRENT SCHEDULE FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. The schedule for the Proposed Transmission Line Project was developed based on a 180-day approval timeline. The following schedule is premised on Commission approval of the Proposed Transmission Line Project by January 2025:

Description	Start	Completion
ROW and Land Acquisition	February 2025	December 2026
Engineering and Design	March 2025	April 2026
Material and Equipment Procurement	July 2025	July 2026
Construction of Facilities	July 2026	December 2026
Energize Facilities	--	December 2026

Q. HOW WILL THE PROPOSED TRANSMISSION LINE PROJECT BE FINANCED?

A. As explained in the Application, 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 types and amounts of which are as of yet undetermined. Oncor is the sole applicant for the Proposed Transmission Line Project, and therefore no other party will be reimbursed for any portion of this project.

V. STRUCTURE AND CONDUCTOR SELECTION

Q. WHAT STRUCTURES DID ONCOR SELECT FOR CONSTRUCTION OF THE PROPOSED TRANSMISSION LINE PROJECT?

A. Oncor will construct the Proposed Transmission Line Project primarily on double-circuit lattice steel towers with a typical structure height of 120 feet and an estimated maximum structure height of 180 feet. After evaluating numerous factors relating to the study area, including, but not limited to, span length between structures, structure footprints, construction and maintenance issues, commodity and labor costs, ROW requirements, impacts to affected landowners, and constraints in the study area, Oncor affirmed the use of this structure for the Proposed Transmission Line Project. A typical 345 kV double-circuit lattice steel tower is shown in Figure 1-2 in 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"), which is included as Attachment No. 1 to the Application. Section 1.3 of the Environmental Assessment also discusses Oncor's selected structure type.

Q. WHAT CONDUCTOR DOES ONCOR PROPOSE TO USE FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. The 345 kV circuits will be installed using 1926.9 kcmil aluminum conductor steel supported, trapezoidal-shaped wire ("ACSS/TW") conductor. The continuous summer static current rating for this conductor is 5,138 amperes, and the line capacity at both operating and design voltage is 3,070 megavolt-amperes ("MVA").

Q. IS ONCOR'S CHOSEN CONDUCTOR THE MOST COST-EFFECTIVE AND RELIABLE OPTION FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. Yes. ERCOT's independent review requires that this line be constructed with conductors rated to at least 3,070 MVA. Considering this ERCOT requirement for the Proposed Transmission Line Project, it is both prudent and necessary to install the 1926.9 kcmil ACSS/TW conductor.

VI. PROJECT ENDPOINTS

Q. WILL ANY STATION WORK BE REQUIRED FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. Yes. The Proposed Transmission Line Project will include station work and expansion necessary to connect the proposed line at each station. Because the Proposed Transmission Line Project will connect to two of the initial 345 kV breakers at the planned Reiter Switch, the station work for that endpoint will include only the minimal work needed to terminate the Proposed Transmission Line Project into the Reiter Switch. The Tesoro Switch station work will include a four-breaker, breaker-and-a-half expansion of the 345 kV switchyard and associated controls needed for connection. Oncor will be solely responsible for all aspects of the Proposed Transmission Line Project.

Q. PLEASE DESCRIBE THE EXISTING TESORO SWITCH STATION.

A. Oncor's existing Tesoro Switch is located approximately 1.5 miles southeast of the intersection of Interstate Highway ("IH") 20 and State Highway ("SH") Loop 338 near Odessa, Texas. The above-mentioned station work, which includes expansion, is required at the Tesoro Switch for connection to the Proposed Transmission Line Project. The dimensions and details of the Tesoro Switch are included in the Application as Attachment No. 2-A. Construction of the Proposed Transmission Line Project will not change the current dimensions of the Tesoro Switch.

Q. PLEASE DESCRIBE THE PLANNED REITER SWITCH STATION.

A. The planned Reiter Switch station will include a 345/138 kV switchyard prior to construction of the Proposed Transmission Line Project. The Reiter Switch Oncor-owned property is located approximately 1.2 miles north of the intersection of SH Loop 338 and FM 3503, south of Odessa, Texas. The dimensions and details of the Tesoro Switch are included in the Application as Attachment No. 2-B.

As I stated previously, the construction of the Proposed Transmission Line Project will not begin until after operation of the Reiter Switch commences. Specifically, the Reiter Switch will initially include the cut-in of two existing Oncor 345 kV circuits: (1) the Odessa EHV Switch to Moss Switch, and (2) the Odessa EHV Switch to Wolf Switch.

VII. NEIGHBORING UTILITIES AND POLITICAL SUBDIVISIONS

Q. ARE ANY OTHER ELECTRIC UTILITIES INVOLVED WITH THE PROPOSED TRANSMISSION LINE PROJECT?

A. No. Oncor is the sole applicant for the Proposed Transmission Line Project and will construct the transmission line and related station facilities.

Q. PLEASE IDENTIFY THE POLITICAL SUBDIVISIONS IN WHICH THE PROPOSED TRANSMISSION LINE PROJECT WILL BE LOCATED.

A. The boundary of Ector and Midland counties runs through the middle of the study area, with the City of Odessa extending into the northwest portion of the study area. The Proposed Transmission Line Project is not located within any other political subdivisions, including unincorporated towns or communities.

VIII. COST ESTIMATES

Q. WHAT ARE THE ESTIMATED COSTS OF THE TRANSMISSION LINE WORK FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. As detailed in Attachment No. 3 to the Application, I estimate that transmission line costs to construct the Proposed Transmission Line Project, excluding station costs, will range from approximately $17,993,000

to approximately $28,794,000, depending on the route selected by the Commission.

Q. WHAT ARE THE ESTIMATED COSTS OF THE STATION FACILITIES ASSOCIATED WITH THE PROPOSED TRANSMISSION LINE PROJECT?

A. As detailed in Attachment No. 3 to the Application and in response to CCN Application Question No. 13, I estimate that station costs to construct the Proposed Transmission Line Project will total approximately $5,425,000. Neither station requires any ROW or land acquisition for the necessary station work.

The Proposed Transmission Line Project requires modifications to the existing Tesoro Switch. For the planned Reiter Switch, the Proposed Transmission Line Project includes only the equipment necessary for termination. Termination costs are included in the estimated transmission line costs, as shown in my response to CCN Application Question No. 13.

Q. PLEASE PROVIDE A BREAKDOWN OF ONCOR'S ESTIMATED STATION COSTS FOR TESORO SWITCH STATION.

A. Oncor's estimated station costs for the modifications to Oncor's existing Tesoro Switch station include approximately: $156,000 for Oncor engineering and design; $190,000 for contract engineering and design; $3,094,000 for material and equipment procurement, including stores; and $1,985,000 for contract labor and construction.

IX. ENGINEERING CONSTRAINTS

Q. WHAT ARE SOME EXAMPLES OF ENGINEERING CONSTRAINTS?

A. Examples of engineering constraints may include, but are not limited to: existing residential development; oil, gas, or water wells; flood-prone areas; pipeline ROWs; highway crossings; uneven or unstable terrain; unfavorable soil conditions; and bodies of water.

Q. PLEASE DESCRIBE THE KNOWN ENGINEERING CONSTRAINTS.

A. One of the primary engineering constraints within the study area for the Proposed Transmission Line Project is the existence of numerous oil and

gas wells and pipelines. While most of the study area consists or rural, undeveloped land, additional engineering constraints include: electrical transmission lines; transportation corridors (*e.g.*, SH Loop 338 and Farm-to-Market Road 3503), residential subdivisions, and the City of Odessa urban area.

Q. ARE THERE ANY KNOWN ENGINEERING CONSTRAINTS ASSOCIATED WITH THE PROPOSED ROUTE FOR THE PROPOSED TRANSMISSION LINE PROJECT?

A. At this time, the proposed routing alternatives do not present any known engineering constraints that cannot be resolved with additional consideration by Oncor during the design and construction phases following approval of the Proposed Transmission Line Project. There may exist unknown engineering constraints that would require further adjustments if discovered through the survey process.

X. PROJECT PERMITTING

Q. WILL ANY PERMITS BE REQUIRED FOR THE PROPOSED TRANSMISSION LINE PROJECT IN ADDITION TO THE CCN SOUGHT IN THIS PROCEEDING?

A. Yes, assuming that the Commission approves the Application, it is likely that additional permits will be necessary to construct the Proposed Transmission Line Project. Following approval, and prior to construction, Oncor will acquire all necessary permits/approvals and make all required notifications. Oncor will coordinate with the Texas Department of Transportation regarding any crossings of interstate and state highways and of state-maintained roadways. If required, Oncor will prepare a Storm Water Pollution Prevention Plan and submit a Notice of Intent to the Texas Commission on Environmental Quality under the Texas Pollutant Discharge Elimination System program. A cultural resources survey plan will be developed with the Texas Historical Commission for the approved project. Consultation with the United States Army Corps of Engineers will occur, as

necessary, following Commission approval of the Application to determine appropriate permit requirements, including consultation under Section 404 of the Clean Water Act. If necessary, consultation with the U.S. Fish and Wildlife Service will occur following Commission approval of the Application to determine appropriate requirements under the Endangered Species Act. Texas General Land Office miscellaneous easements will also be acquired as necessary for crossing properties involving State of Texas property interests, such as navigable streams.

Q. IS ANY PART OF THE PROPOSED TRANSMISSION FACILITIES LOCATED WITHIN THE COASTAL MANAGEMENT PROGRAM BOUNDARY AS DEFINED IN 31 TEXAS ADMINISTRATIVE CODE § 503.1?

A. No. The Proposed Transmission Line Project is entirely outside the coastal management program boundary.

XI. GENERATION IMPACTS

Q. DOES ONCOR EXPECT ANY GENERATOR TO BE PRECLUDED OR LIMITED FROM GENERATING OR DELIVERING ELECTRICITY TO THE ERCOT GRID DUE TO CONSTRUCTION OF THE PROPOSED TRANSMISSION LINE PROJECT, OR THAT ONCOR'S CONSTRUCTION WILL ADVERSELY AFFECT THE RELIABILITY OF THE ERCOT SYSTEM?

A. No, Oncor does not anticipate that construction of the Proposed Transmission Line Project will preclude or limit a generator from generating or delivering power, or adversely affect the reliability of the ERCOT system. As further discussed in Oncor witness Jared Gurley's direct testimony, the Proposed Transmission Line Project will address reliability issues that may otherwise limit the generation or delivery of electricity on the ERCOT grid.

XII. CONCLUSION

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

A. Yes, it does.

AFFIDAVIT

STATE OF TEXAS §
§
COUNTY OF TARRANT §

BEFORE ME, the undersigned authority, on this day personally appeared Kaleb Roberts who, having been placed under oath by me, did depose as follows:

"My name is Kaleb Roberts. I am of legal age and a resident of the State of Texas. The foregoing testimony and exhibit offered by me are true and correct, and the opinions stated therein are, to the best of my knowledge and belief, accurate, true and correct."

Kaleb James Roberts

Kaleb Roberts

SUBSCRIBED AND SWORN TO BEFORE ME on this 24th day of July, 2024.

Terri Watts

Notary Public, State of Texas

My Commission Expires

07-07-2028

TERRI WATTS
Notary Public, State of Texas
Comm. Expires 07-07-2028
Notary ID 1129360-0

Kaleb Roberts
210 Sandstone Way Gordon, TX 76453
(219) 393-9539

Profile

I have 13 years' experience in the Electric Utility industry with a concentration in engineering and project management. I have the ability to plan, design, and manage projects and project teams. I currently serve as a Senior Engineer in Oncor's Transmission Engineering Line Design Department where I design, lead, and oversee engineering responsibilities related to Oncor's transmission line design projects. I am currently seeking the Manager Transmission I - Line Design position that is posted for Oncor.

Education

Purdue University North Central, 1401 S. U.S. 421 Westville, IN 46391
BS Construction Engineering and Management Technology - Graduated December 2010
AS Architectural Technology - Graduated December 19, 2008

Licenses

Professional Engineer – Texas – January 2024

Certifications

PMP® PMI Project Management Certification – February 2015

Skills

Distribution & Transmission Design	Proficient Understanding of Industry Codes
Leadership Skills	Project Management Skills
Ability to multi-task	Supervisory experience

Work experience

Oncor

- Transmission Line Design Engineer – June 2022 – Present
  - Produce engineering designs, drawings, specifications, and BOMs for transmission line construction projects 69kV – 345kV in accordance with Company practices and industry codes
  - Prepare budgetary cost estimates and Work Authorizations to obtain financial approval
  - Communicate, coordinate, and interface with other internal and external stakeholders to assure that line designs and construction practices are appropriate
  - Provide design solutions and engineering designs as requested to resolve issues
  - Provide technical assistance to Transmission operations and maintenance
  - Incorporates personnel and public safety as a priority in the design of all projects
  - Work with multiple stakeholder groups to lead positive change and improvements to processes and procedures
  - Provide leadership and guidance to internal and external engineering teams
  - Actively look for opportunities to teach and provide insight into engineering designs
  - Serve as Oncor's SME on steel lattice tower designs

NIPSCO

- Transmission Line Engineer – October 2018 – June 2022
  - Plan, estimate, design and manage complex electric transmission line projects according to Company Standards, sound engineering practices, and applicable codes.
  - Prepare detailed drawings, permits, easements, material estimates, and reservations; along with all other documents required for project completion.
  - Manage projects to completion and provide engineering direction throughout the project life cycle.
  - Work with external engineering contractors to ensure project quality, constructability, as well as conformance to all company standards and applicable codes.
  - Provide technical support for the operations of all Company and customer transmission lines.
  - Research, specify, order, and coordinate material purchases and establish stocking levels of major transmission line electrical equipment.
  - Verify Transmission Line Engineering's methods and procedures are kept current with the latest and best industry safety requirements and engineering practices.
  - Interfaces and works with various interconnected companies, utilities, and entities such as INDOT, REMC, FERC, NERC, and Midwest ISO where appropriate.
- Engineer III / Joint Facilities Project Manager - June 2014 – October 2018
  - Manage Joint Use contracts to ensure contracts are current, compliant with FCC, State, and local guidelines, as well as NIPSCO standards. Support documentation by acquiring and maintaining a record of all bonds and insurance certificates for each company.
  - Create and update policies, procedures, standards, job aids, PM tools, and processes.
  - Managed and was responsible for initiating, planning, executing, monitoring and controlling, and closing of new attachment request projects.
  - Monitors FCC timelines and ensures all projects are in compliance.
  - Continuously improving processes to enhance operational excellence.
  - Manages Colocations projects (communications equipment/towers in our substations or on our transmission towers) dealing with equipment upgrades, installs, and retires.
  - Interact and coordinate with multiple internal and external stakcholders to meet customer requirements.
  - Represent company as SME regarding wireline/wireless attachments
  - Engineer electric system improvement and reliability projects

- Distribution Project Engineer – June 2011 – June 2014
  - Evaluate, design, estimate, and project manage the maintenance and construction of electric distribution systems.
  - Design and manage all projects in accordance with applicable requirements, standards and codes, ensuring safe, reliable service to customers.
  - Design and manage maintenance/system improvement projects to ensure timely completion of compliance and/or system related issues.

- Manage customer requirements for electric service by meeting customer and project milestones within a timely manner.
- Engineer and manage Public Improvement Projects
- Prepare/complete complex detailed CAD drawings, permits, easements, other relevant documents, and document projects in computerized systems.
- Provide engineering oversight, coordination, and direction to all project stakeholders

- Engineering Technician – December 2010 - June 2011
  - Worked with customers to fulfill their electrical and gas services.
  - Design and manage System Improvement projects
  - Worked on specialty projects - Meter encroachments

- Engineering - Electrical Standards Intern - June 2010 - December 2010
  - Revised and update standards.
  - Revise and update pole book.
  - Investigate problems with electric part failures or issues.
  - Analysis part problems and help resolve issues.

References

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