Instructions: [please do not include these pages when submitting form]

1) **Complete Part I of the form first to determine if the project meets the conditions and requirements of NWP 12, including the General and Regional Conditions as well as the notification requirements. Additional information on the general conditions is available at the following website:**

   http://www.swf.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits.aspx

2) **Boxes 1 to 3:** Provide contact information for the Applicant, Agent, Owner, etc.

3) **Box 4:**
   a. **Nature of Activity:** Describe the overall activity or project. Give appropriate dimensions of structures such as wingwalls, dikes (identify the materials to be used in construction, as well as the methods by which the work is to be done), or excavations (length, width, and height). Indicate whether discharge of dredged or fill material is involved. Also, identify any structure to be constructed on a fill, piles, or float-supported platforms. The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach a separate sheet marked "Box 4 Nature of Activity."

   b. **Proposed Project Purpose:** Describe the purpose and need for the proposed project. What will it be used for and why? Also include a brief description of any related activities to be developed as the result of the proposed project.

   c. **Delineation of waters of the U.S.:**
   Waters of the U.S. are defined under 33 CFR part 328.3 (a) as:
   (1) All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
   (2) All interstate waters including interstate wetlands;
   (3) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
      (i) Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
      (ii) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
      (iii) Which are used or could be used for industrial purposes by industries in interstate commerce;
   (4) All impoundments of waters otherwise defined as waters of the U.S. under the definition;
   (5) Tributaries of waters identified in paragraphs (a) (1) through (4) of this section;
   (6) The territorial seas;
   (7) Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) (1) through (6) of this section.

   In addition, 33 CFR part 328.3 (b) states: The term wetlands means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

   Under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act, the ordinary high water mark, as well as any adjacent wetlands, demarcate the limits of non-tidal waters of the U.S. Wetlands are identified and delineated using the methods and criteria

established in the USACE *Wetlands Delineation Manual* (1987 Manual) (i.e., occurrence of hydrophytic vegetation, hydric soils, and wetland hydrology) as well as any applicable interim regional supplements.

Applicants should follow the USACE Fort Worth District procedures for jurisdictional determinations found at the following website:

http://media.swf.usace.army.mil/pubdata/environ/regulatory/jurisdiction/jurisdictionaldeterminationprocedures.pdf

d. **Multiple Waters of the U.S.**: If the project impacts multiple waters of the U.S., include information for each water in the table in Attachment D.

4) **Box 5:**

Required drawings (see examples in separate file): Submit one legible copy of all drawings (8 1/2 x 11-inch or 11 x 17-inch) with a 1-inch margin around the entire sheet. The title box shall contain the title of the proposed project, date, and sheet number.

i. **Vicinity map:** Cover an area large enough so the project can be easily located; include arrow marking the project area, identifiable landmarks (e.g., named waterbody, county, city), name or number of roads, north arrow, and scale.

ii. **Plan view:** Include features such as existing bank lines, ordinary high water mark line(s), average water depth around the activity, dimensions of the proposed project, dimensions of any structures immediately adjacent to the proposed activity, north arrow, and scale.

iii. **Elevation and/or cross-section views:** Include features such as water elevation as shown on plan view drawing, existing and proposed ground level, dimensions of the proposed project, dimensions of any structures immediately adjacent to the proposed activity, and scale.

5) **Box 6:** A list of navigable waters in the Fort Worth District can be found at the following website:

http://media.swf.usace.army.mil/pubdata/environ/regulatory/introduction/navlist.pdf

Under Section 404 of the Clean Water Act, the USACE regulates the discharge of dredged or fill material into waters of the U.S. More information on regulated activities can be found at the following website:

http://www.swf.usace.army.mil/Missions/Regulatory/RegulatedActivities.aspx

6) **Box 8:** Information on federally threatened or endangered species may be found on the U.S. Fish and Wildlife Service website and the Texas Parks and Wildlife Department website. Include an attachment if additional space is required for listing species or critical habitat potentially affected by the project.

http://www.fws.gov/southwest/es/ES_ListSpecies.cfm

http://www.tpwd.state.tx.us/huntwild/wild/species/endang/index.phtml

http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/index.phtml

7) **Box 10:** When completing this box, be aware that the USACE will consider if the project has been designed to avoid and minimize adverse effects, both temporary and permanent, to waters of the U.S. to the maximum extent practicable at the project site when determining appropriate and practicable mitigation necessary to ensure that adverse effects to the aquatic environment are minimal. The USACE may also require compensatory mitigation at a minimum one-for-one ratio for losses of wetlands, streams, and open waters to ensure that the project results in

minimal adverse effects on the aquatic environment. See the USACE Fort Worth District Regulatory Branch website for a mitigation plan template and requirements.

http://www.swf.usace.army.mil/Missions/Regulatory/Permitting/Mitigation.aspx

8) **Box 11:** Projects in Texas should meet the conditions of the Texas Commission on Environmental Quality (TCEQ) Clean Water Act Section 401 certification for NWP 3. The TCEQ conditions of Section 401 certification for NWP 3 as well as a description of Best Management Practices can be found at the following website:

http://www.swf.usace.army.mil/Portals/47/Users/053/21/821/NWP%202017%20Texas%20401cert.pdf

Projects in Louisiana require water quality certification from the Louisiana Department of Environmental Quality (LDEQ). LDEQ has issued water quality certification for NWP 3 without conditions. Information about water quality certification from LDEQ can be found at the following website:

http://www.swf.usace.army.mil/Portals/47/Users/053/21/821/NWP2017Louisiana401cert.pdf?ver=2017-03-24-115120-290

9) **Attachments:** Check the boxes in Part IV for those attachments that are included, and place a cover sheet or tab with each attachment behind the last page of the form. If Attachment D is not needed, discard this page, but if more room is necessary, include an additional table.

US Army Corps
of Engineers
Fort Worth District

General Recommendations for Department of the Army Permit Submittals for Linear Projects

July 28, 2003

1. A detailed project description.

2. A large-scale map showing the entire route of the project.

3. The proposed route of the project on 8½ by 11-inch copies of 7.5-minute United States Geological Survey (USGS) quadrangle maps, national wetland inventory maps, published soil survey maps, scaled aerial photographs, and/or other suitable maps. Identify all base maps, (e.g. "Fort Worth, Texas" 7.5-minute USGS quadrangle, Natural Resources Conservation Service Tarrant County Soil Survey, sheet 10). Clearly mark (such as by circling) and number the location of each proposed linear project crossing of a water of the United States and any appurtenant structure(s) in waters of the United States on the map. Waters of the United States include streams and rivers; most lakes, ponds, mudflats, sandflats, wetlands, sloughs, and wet meadows; abandoned sand, gravel, and construction pits, and similar areas.

4. For each potential linear project crossing or appurtenant structure in a water of the United States, the following site specific information when applicable:

    a. 7.5-minute USGS quadrangle map name, universal transverse mercator (UTM) coordinates, county or parish, waterway name;

    b. a brief characterization of the crossing area (stream, forested wetland, non-forested wetland, etc.) including the National Wetland Inventory classification and soil series;

    c. distance between ordinary high water marks;

    d. proposed method of crossing (bore, trench, fill with culvert, fill with bridge, etc.);

    e. length of proposed crossing;

    f. width of temporary and permanent rights-of-way;

    g. type and amount of dredged or fill material proposed to be discharged;

    h. acreage of proposed temporary and permanent adverse impacts to waters of the United States, including wetlands; and

    i. a typical cross-section.

Please refer to the "General Recommendations for Department of the Army Permit Submittals" for additional details about what to submit for linear projects. Additional information, including more detailed jurisdictional determination data, may be needed to complete the Corps evaluation of a project in some cases. We encourage you to consult with a qualified specialist (biologist, ecologist or other specialist qualified in preliminary jurisdictional determinations) who is familiar with the 1987 Corps of Engineers Wetlands Delineation Manual and the USACE Regulatory Program (33 CFR Parts 320-331).

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April 5, 2021

Beau Brooks
District Conservationist
NRCS Waxahachie Service Center
1822 FM 66
Waxahachie, Texas 75167

Re: Oncor Electric Delivery Company's Proposed Old Country Switch 345 kV Tap Transmission Line Project in Ellis County, Texas

Dear District Conservationist Brooks:

Oncor Electric Delivery Company LLC (Oncor) proposes to construct a 345 kilovolt (kV) transmission line between the proposed Oncor Old Country Switch and Oystercatcher Solar's facilities in Ellis County. The proposed Oncor Old Country Switch will be located along the existing Oncor 345 kV Transmission Line approximately two miles to the west of Interstate Highway 35E and approximately 0.3 miles to the east of Farm to Market Road (FM) 876. The Oystercatcher Plant Switch is located proximal to the intersection of Iola Lane and L R Campbell Road approximately 3.5 miles to the north-northwest of Italy, Texas. The distance between these project endpoints as shown in the attached map is approximately three miles.

Freese and Nichols, Inc. is preparing an Environmental Assessment (EA) and Alternative Route Analysis to support an application for a Certificate of Convenience and Necessity (CCN) from the Public Utility Commission of Texas (PUCT). Freese and Nichols is currently in the process of gathering data on the existing environment and identifying environmental land use constraints within the project study area that will be used in the creation of an environmental and land use constraints map. Freese and Nichols will identify potential alternative routes that consider environmental and land use constraints.

Freese and Nichols is requesting that your office provide environmental and land use constraints information regarding existing or planned land development projects, city projects, or other areas of interest to the NRCS within the project study area. Your comments will be an important consideration in the evaluation of alternative routes and in the assessment of impacts. Upon certification of the final route for the proposed project, Oncor will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, Oncor will contact your office following certification of this project.

Thank you for your assistance with this transmission line project. If you have any questions or require additional information, please contact me at (817) 735-7332 or Kimberly.Buckley@freese.com. Your earliest reply will be appreciated.

Sincerely,
FREESE AND NICHOLS, INC.

Kimberly Buckley

Kimberly Buckley, PG
Associate, Project Manager

Attachment

FREESE AND NICHOLS

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April 5, 2021

Debra Bills
Field Supervisor
USFWS Arlington Ecological Services Field Office
2005 Northeast Green Oaks Boulevard, Suite 140
Arlington, Texas 76006

Re: Oncor Electric Delivery Company's Proposed Old Country Switch 345 kV Tap Transmission Line Project in Ellis County, Texas

Dear Field Supervisor Bills:

Oncor Electric Delivery Company LLC (Oncor) proposes to construct a 345 kilovolt (kV) transmission line between the proposed Oncor Old Country Switch and Oystercatcher Solar's facilities in Ellis County. The proposed Oncor Old Country Switch will be located along the existing Oncor 345 kV Transmission Line approximately two miles to the west of Interstate Highway 35E and approximately 0.3 miles to the east of Farm to Market Road (FM) 876. The Oystercatcher Plant Switch is located proximal to the intersection of Iola Lane and L R Campbell Road approximately 3.5 miles to the north-northwest of Italy, Texas. The distance between these project endpoints as shown in the attached map is approximately three miles.

Freese and Nichols, Inc. is preparing an Environmental Assessment (EA) and Alternative Route Analysis to support an application for a Certificate of Convenience and Necessity (CCN) from the Public Utility Commission of Texas (PUCT). Freese and Nichols is currently in the process of gathering data on the existing environment and identifying environmental land use constraints within the project study area that will be used in the creation of an environmental and land use constraints map. Freese and Nichols will identify potential alternative routes that consider environmental and land use constraints.

Freese and Nichols is requesting that your office provide environmental and land use constraints information regarding existing or planned land development projects, city projects, or other areas of interest to the US Fish and Wildlife Service within the project study area. Your comments will be an important consideration in the evaluation of alternative routes and in the assessment of impacts. Upon certification of the final route for the proposed project, Oncor will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, Oncor will contact your office following certification of this project.

Thank you for your assistance with this transmission line project. If you have any questions or require additional information, please contact me at (817) 735-7332 or Kimberly.Buckley@freese.com. Your earliest reply will be appreciated.

Sincerely,
FREESE AND NICHOLS, INC.

Kimberly Buckley

Kimberly Buckley, PG
Associate, Project Manager

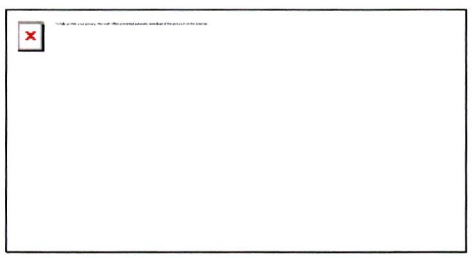
Attachment

Kimberly Buckley

From: Edwards, Sean <sean_edwards@fws.gov>
Sent: Tuesday, May 11, 2021 3:11 PM
To: Kimberly Buckley
Subject: Oncor Old Country Switch Project

Kimberly,

We have received Freese & Nichols April 5, 2021, letter requesting information on federally listed species and other environmental concerns regarding Oncor's Old Country Switch Project proposed to occur in Ellis County, Texas. Thank you for the opportunity to participate and provide input in this project. To streamline this coordination, we recommend that you utilize our Information for Planning and Consultation (IPaC) online tool at https://ecos.fws.gov/ipac/. IPaC can provide you with a quick consultation and USFWS response specific to your project. Please contact me if anything additional is needed.



IPaC: Home - FWS

Build a biological assessment Consultation Package Builder (CPB) replaces and improves on the original Impact Analysis by providing an interactive, step-by-step process to help you prepare a full consultation package leveraging U.S. Fish and Wildlife Service data and recommendations, including conservation measures designed to help you avoid or minimize effects to listed species.

ecos.fws.gov

Kind Regards,

Sean Edwards
Fish & Wildlife Biologist
U.S. Fish & Wildlife Service
2005 NE Green Oaks Blvd. Ste. 140
Arlington, Texas 76006

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April 5, 2021

Dr. Bonny Cain, Superintendent
Waxahachie Independent School District
411 North Gibson Street
Waxahachie, Texas 75165

Re: Oncor Electric Delivery Company's Proposed Old Country Switch 345 kV Tap Transmission Line Project in Ellis County, Texas

Dear Dr. Cain:

Oncor Electric Delivery Company LLC (Oncor) proposes to construct a 345 kilovolt (kV) transmission line between the proposed Oncor Old Country Switch and Oystercatcher Solar's facilities in Ellis County. The proposed Oncor Old Country Switch will be located along the existing Oncor 345 kV Transmission Line approximately two miles to the west of Interstate Highway 35E and approximately 0.3 miles to the east of Farm to Market Road (FM) 876. The Oystercatcher Plant Switch is located proximal to the intersection of Iola Lane and L R Campbell Road approximately 3.5 miles to the north-northwest of Italy, Texas. The distance between these project endpoints as shown in the attached map is approximately three miles.

Freese and Nichols, Inc. is preparing an Environmental Assessment (EA) and Alternative Route Analysis to support an application for a Certificate of Convenience and Necessity (CCN) from the Public Utility Commission of Texas (PUCT). Freese and Nichols is currently in the process of gathering data on the existing environment and identifying environmental land use constraints within the project study area that will be used in the creation of an environmental and land use constraints map. Freese and Nichols will identify potential alternative routes that consider environmental and land use constraints.

Freese and Nichols is requesting that your office provide environmental and land use constraints information regarding existing or planned land development projects, city projects, or other areas of interest to the Waxahachie Independent School District within the project study area. Your comments will be an important consideration in the evaluation of alternative routes and in the assessment of impacts. Upon certification of the final route for the proposed project, Oncor will determine the need for other approvals and/or permits. If your jurisdiction has approvals and/or permits that would apply to this project, please identify them in response to this inquiry. If permits are required from your office, Oncor will contact your office following certification of this project.

Thank you for your assistance with this transmission line project. If you have any questions or require additional information, please contact me at (817) 735-7332 or Kimberly.Buckley@freese.com. Your earliest reply will be appreciated.

Sincerely,
FREESE AND NICHOLS, INC.

Kimberly Buckley

Kimberly Buckley, PG
Associate, Project Manager

Attachment

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APPENDIX B
PUBLIC INVOLVEMENT

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ONCOR ELECTRIC DELIVERY COMPANY LLC
NOTICE OF PUBLIC PARTICIPATION MEETING FOR THE
PROPOSED OLD COUNTRY SWITCH 345 kV TAP TRANSMISSION LINE PROJECT

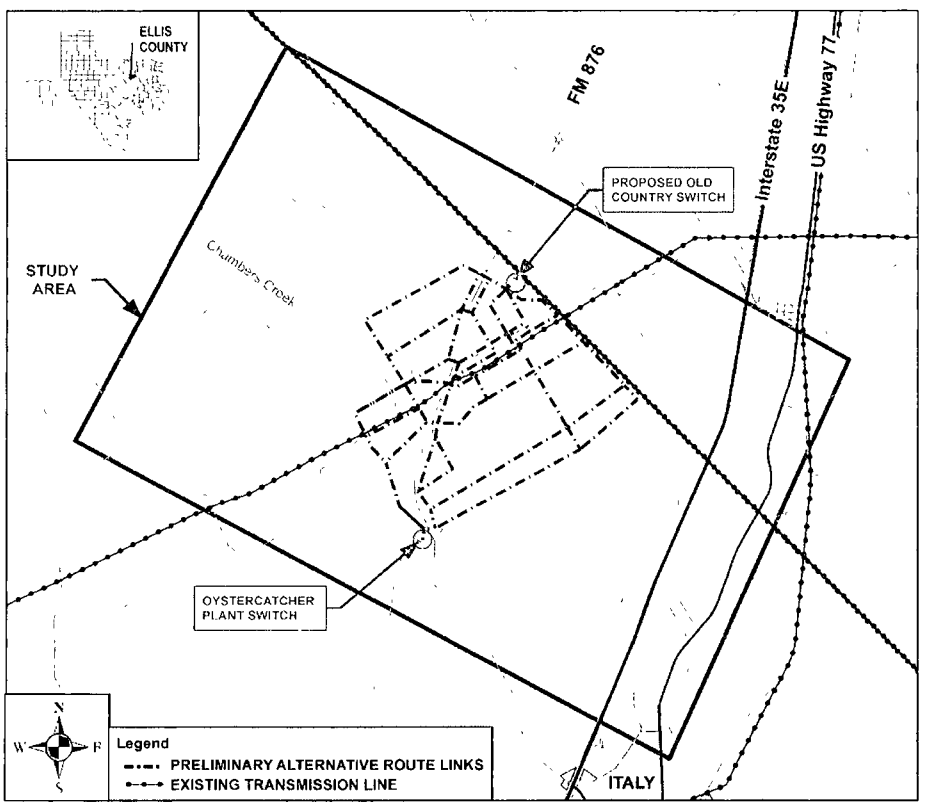
Thursday, May 20, 2021

Italy Community Center
108 Harpold, Italy, Texas 76651

https://clients.freese.com/OncorOldCountySwitchProject//

4:00 – 7:00 PM

Oncor Electric Delivery Company LLC (Oncor) proposes to construct a 345 kilovolt (kV) transmission line between the proposed Oncor Old Country Switch and Oystercatcher Solar facilities in Ellis County. The proposed Oncor Old Country Switch will be located along the existing Oncor 345 kV Transmission Line approximately two miles to the west of Interstate Highway 35E and approximately 0.3 miles to the east of Farm to Market Road (FM) 876. The Oystercatcher Plant Switch is located proximal to the intersection of Iola Lane and L R Campbell Road approximately 3.5 miles to the north-northwest of Italy, Texas. The new transmission line will use a single circuit position on double circuit capable structures. Oncor is committed to routing the proposed transmission line in a manner consistent with the values of the local communities, the Texas Utilities Code, and the Public Utility Commission of Texas (PUCT) rules and policies. In support of this process, Oncor is holding a Public Participation Meeting to inform the public about this project and solicit input for use in determining routing alternatives for the proposed transmission line. Freese and Nichols, a consulting firm retained by Oncor for the project, has identified preliminary alternative transmission line route links for consideration, which are shown as dashed lines on the provided map. Maps with greater detail will be exhibited at the virtual and in-person open house meeting. Individuals attending either the virtual or in-person open house meeting will have an opportunity to ask questions and provide comment to representatives and technical experts from Oncor and Freese and Nichols regarding the proposed transmission line project. As a result of the COVID-19 pandemic, social distancing recommendations made by the Centers for Disease Control and Prevention and the State of Texas will be adhered to at all times during the in-person meeting. If you have any questions concerning this meeting, please contact Mr. Ife Adetoro at (214) 486–4918 or email at transmissionprojects@oncor.com. Additional information concerning this and other Oncor transmission line projects can be obtained at the following website: http://www.oncor.com/transmissionprojects.



ONCOR ELECTRIC DELIVERY COMPANY LLC
OLD COUNTRY SWITCH 345 kV TAP LINE TRANSMISSION LINE PROJECT
PUBLIC PARTICIPATION MEETING

Thursday, May 20, 2021

Italy Community Center
108 Harpold, Italy, Texas 76651

https://clients.freese.com/OncorOldCountySwitchProject//

4:00 – 7:00 PM

Welcome, and thank you for taking the time to attend this Public Participation Meeting for the proposed Old Country Switch 345 kilovolt (kV) Tap transmission line project (Proposed Transmission Line Project). The new transmission line is proposed for construction to connect the proposed Oncor Old Country Switch and Oystercatcher Solar facilities in Ellis County. The proposed Oncor Old Country Switch will be located along the existing Oncor 345 kV transmission line approximately two miles to the west of Interstate Highway 35E and approximately 0.3 miles to the east of Farm to Market Road (FM) 876. The Oystercatcher Plant Switch is located proximal to the intersection of Iola Lane and L R Campbell Road approximately 3.5 miles to the north-northwest of Italy, Texas. The new transmission line will, if approved, use a single circuit position on double circuit capable structures along a route that the Public Utility Commission of Texas (PUCT) selects. The Proposed Transmission Line Project is currently planned for completion in 2024.

The purpose of this Public Participation Meeting is to present information, receive your ideas and comments, and answer your questions about the Proposed Transmission Line Project. The Questions and Answers below provide general information about the project.

You will notice that there are several subject matter stations with associated exhibits. Oncor representatives, as well as representatives from Freese and Nichols, Inc. (FNI) and 7Arrows Land Staff, LLC (7Arrows), contracted by Oncor, can provide answers to specific questions about the Proposed Transmission Line Project. We encourage you to take advantage of this opportunity to talk with the various representatives of Oncor, our environmental consultant, FNI, and our abstractor, 7Arrows. Oncor and contractor representatives can provide information concerning particular areas of expertise as they relate to the proposed project. Please spend as much time as you need at each station to have your questions answered or address any issues you may have at this open house. Please bear with us and we will make every attempt to answer any questions you may have in as timely a manner as possible.

Who is Oncor?

Oncor is an electric transmission and distribution utility regulated by the PUCT. Oncor constructs, owns, and operates many of the transmission and distribution lines that move electric power between points of the electric transmission and distribution system, connecting electric power producers with electric power consumers. Oncor does not own power plants or buy or sell electric power. TXU Energy and Luminant are not the same company as, or affiliated with, Oncor.

What does the transmission system do?

The State of Texas' electric system is a network of power generation facilities, transmission lines, switching stations and substations, and distribution lines designed to provide reliable electric service to retail customers. Transmission lines carry, or transport, electricity from power generation facilities at a high voltage to substations where electricity is converted to a lower voltage that the distribution lines carry to residences and businesses.

Why must a new transmission line be constructed in this area?

Oystercatcher Solar, LLC is constructing a new 223 megawatt (MW) solar facility (Oystercatcher Plant Switch) in Ellis County, Texas. In order to provide facilities necessary to interconnect with Oystercatcher, LLC's facility, a new switching station and transmission line is necessary to connect the new generation facility to the transmission grid. The construction of the proposed Oncor Old Country Switch 345 kV Tap will connect to the existing Venus Switch - Navarro 345 kV Line, and the construction of a new transmission line from the solar facility to the proposed Oncor Old Country Switch will provide adequate capacity to transport the proposed generation to the transmission grid. Construction of the Proposed Transmission Line Project will provide a new 345 kV source to the area, which will strengthen the transmission system so it can serve the additional need for electricity and ensure long term reliability for the area.

What is the location of the proposed transmission line?

The locations of the proposed transmission line preliminary route segments are shown on the attached location map (Exhibit 1). The proposed transmission line will occupy a single circuit position on double circuit capable structures. Once the routing options for the transmission line are finalized, all routes and route segments will be available for selection and approval by the PUCT.

How long will the transmission line be?

The transmission line will be approximately 3 to 4 miles long, depending on the route that is ultimately approved, or "certificated", by the PUCT, if any.

What type of transmission structure will be used?

This transmission line will utilize a self-supporting, steel lattice tower structure. A drawing of this structure is attached (Exhibit 2).

Who will benefit from the new transmission line?

The completion of this transmission line project will provide benefits to all participants in the Texas electric market, including end-use consumers of electricity in the Ellis County areas. The proposed enhancements will improve the electric system to continue

the reliable electric service consumers have come to expect from Oncor as well as add important necessary transmission capacity to allow additional power generation to support the electric grid, thereby continuing development and economic growth of the local communities in these areas.

Will environmental studies be conducted to determine the impact of the project?

Yes. FNI, an engineering firm with environmental expertise in Fort Worth, is preparing an Environmental Assessment and Routing Study to support an Application for a Certificate of Convenience and Necessity (CCN) from the PUCT. The Environmental Assessment and Routing Study will include a compilation of the impacts of the transmission line routes to the existing environment and land uses.

How will property owners or other interested persons find out information regarding the status of the Oncor project and the results of the certification process?

There are several ways members of the public may: (1) be made aware of Oncor's filing of its CCN application at the PUCT; (2) participate or provide comment in the certification process; (3) monitor the proceeding as it progresses; and (4) determine the results of the PUCT's action regarding Oncor's Proposed Transmission Line Project.

First, a formal notice will be provided (via first class mail) to any property owner whose land will be crossed by the Proposed Transmission Line Project filed by Oncor as part of the formal application for approval to construct the project. In addition, a formal notice will also be provided (via first class mail) to any property owner within 520 feet of the centerline of the Proposed Transmission Line Project. Property ownership for this notice has been determined by current county appraisal district tax records.

Second, public notice will be provided in newspapers of general circulation within the county during the week following the filing of Oncor's application at the PUCT. Information about Oncor's application, and its proceedings at the PUCT, can be obtained on the PUCT's online filings Interchange. The PUCT's website provides free access to documents that are officially filed with the Commission.

The docket number (also called a control number on the PUCT website) of a case is a key piece of information used in locating documents in the case. The docket number will be available once Oncor files its CCN application with the PUCT, and it will be provided in the mailed and published notices. You may access the Interchange by visiting the PUCT's website at www.puc.state.tx.us.

One way to become involved in a case before the Commission is as an "intervenor." An intervenor is a person who, upon showing a justiciable interest, is permitted to become a party to the proceeding. Intervenors are full participants in the proceeding and can make legal arguments, conduct discovery, file testimony, cross-examine witnesses, and are themselves, if they testify, subject to cross- examination by the other parties in the case. For more information and rules about participating as an intervenor, visit the PUCT's website at: http://www.puc.texas.gov/agency/rulesnlaws/Participate.aspx.

If you do not wish to be a full participant in this proceeding, you may become a "protestor." Protestors are not parties to the case and may not conduct discovery, cross-examine witnesses or present a direct case. Protestors may, however, make a written or verbal statement in support of or in opposition to the application and give information to the PUCT staff that they believe may be helpful. If you intend to be a protestor, you can either send written comments stating your position regarding the application, or if the docket progresses to a hearing, a statement of protest can be made on the first day of hearing, as allowed. Although public comments are not sworn and therefore not treated as evidence, they help to inform the PUCT and its staff of the public's concerns and to identify issues to be explored. The PUCT welcomes such participation in its proceedings.

Finally, if the Proposed Transmission Line Project is approved by the PUCT, a notice (via first class mail) will be sent to the property owners who were provided formal notice of the filing of Oncor's application at the PUCT indicating the issuance of a Final Order by the PUCT for the Proposed Transmission Line Project.

When will construction of the proposed transmission line begin?

Before construction can begin, Oncor must seek and receive approval from the PUCT. This process, along with typical time frames for each step of the process, is provided in the attached **Licensing Process for New Transmission Facilities.** Based on an in-service date of 2024, Oncor anticipates seeking PUCT approval in August of 2021 and, if approved, anticipates construction could begin in late 2023.

If I have additional questions following this meeting, who should I contact?

Additional information concerning this and other Oncor transmission line projects can be obtained at the following website: http://www.oncor.com/transmissionprojects. You may also contact Mr. Ife Adetoro of Oncor at (214) 486–4918 or via email at transmissionprojects@oncor.com.

Thank you again for attending this open house!

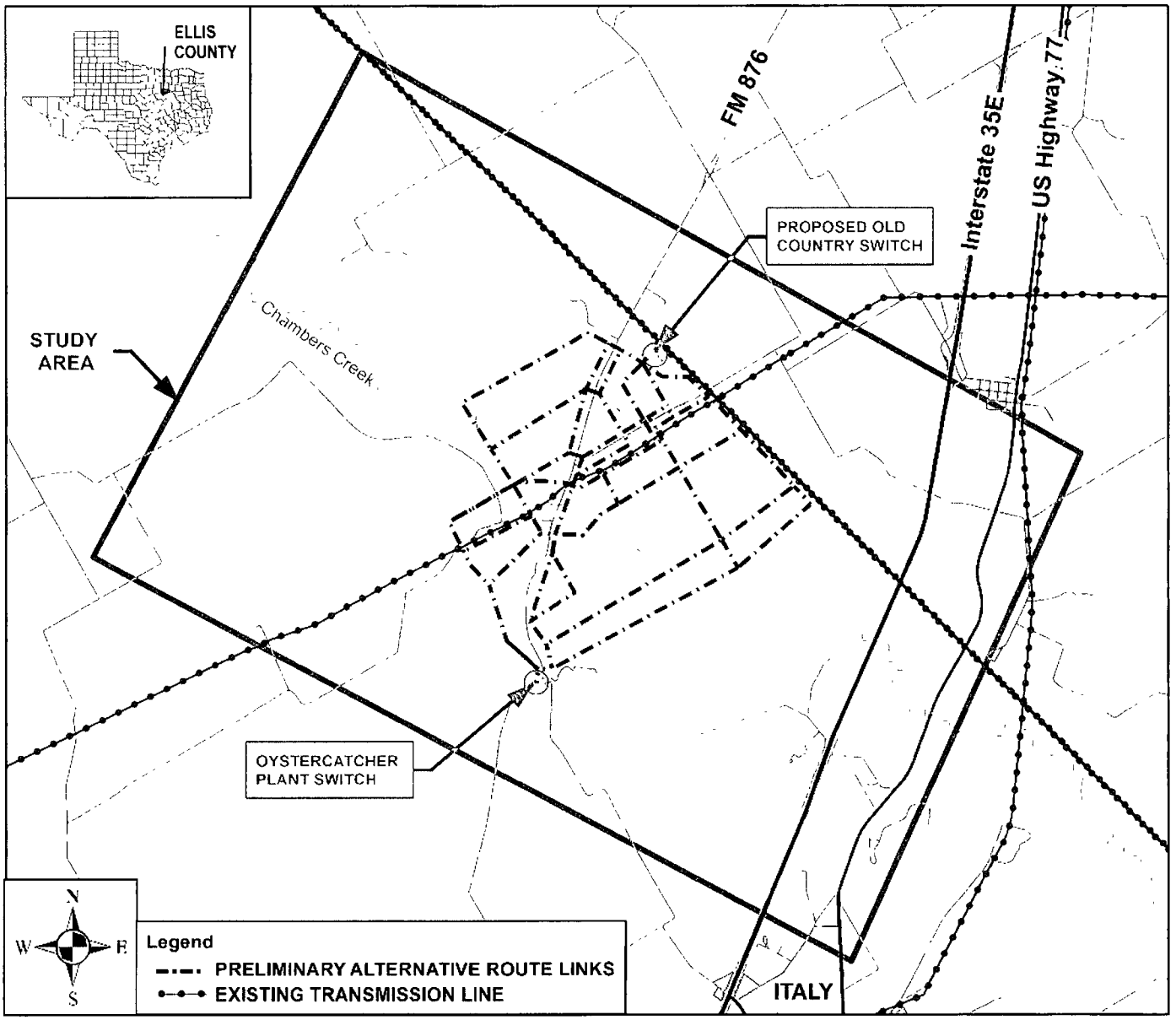
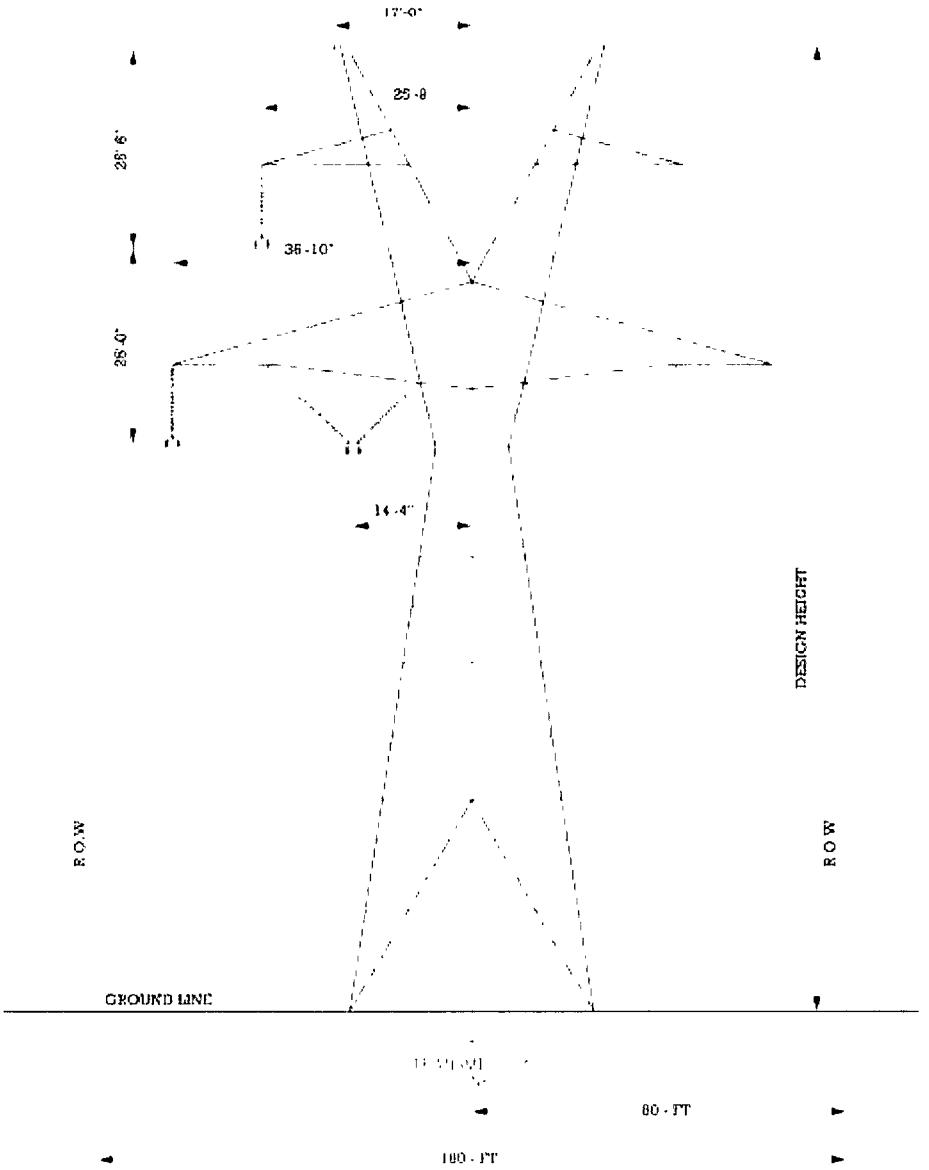

ELLIS COUNTY
FM 876
Interstate 35E
US Highway 77
PROPOSED OLD COUNTRY SWITCH
STUDY AREA
Chambers Creek
OYSTERCATCHER PLANT SWITCH
ITALY
N
W
E
S
Legend
PRELIMINARY ALTERNATIVE ROUTE LINKS
EXISTING TRANSMISSION LINE

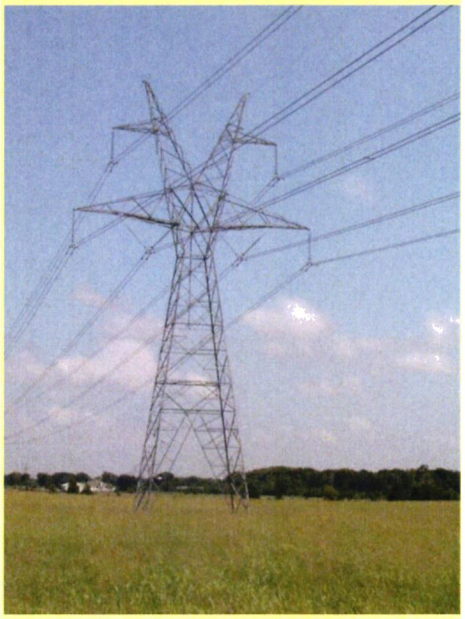
Exhibit 1



TYPICAL 345 KV TANGENT DOUBLE CIRCUIT "V" TOWER
(ONE CIRCUIT IN PLACE INITIALLY)

ONCOR.

Exhibit 2



Old Country 345kV Tap Transmission Line Project

In order to provide facilities necessary to interconnect with Oystercatcher, LLC's facility, a new switching station and transmission line is necessary to connect the new generation facility to the transmission grid. The construction of the Old Country 345 kV Switch and proposed transmission line project, will connect to the existing Venus Switch - Navarro 345 kV Line, and will provide adequate capacity to transport the proposed generation to the transmission grid. The completion of this transmission line project will provide benefits to all participants in the Texas electric market, including end-use consumers of electricity in the Ellis County areas. The proposed enhancements will improve the electric system and continue the reliable electric service consumers have come to expect from Oncor, as well as add important necessary transmission capacity to support the continuing development and economic growth of the local communities in these areas.

What is a transmission line? Why does Oncor Electric Delivery Company need to build them?

Transmission lines are the high voltage conductors that move electricity from power plants to distribution systems, which deliver electricity to your homes and businesses. Ensuring adequate transmission capability is essential for electric reliability. It may help to think of them as "highways" for electricity. In the same way that highways are built to ensure that you and your family get from one place to another, transmission lines are necessary to make sure that electricity gets from where it is produced to where it is consumed.

What is the process for approval?

Step 1: Need

- The first step in the process is determining the need for the project. The need for the project dictates essential facilities and prescribes the type, electrical location, and capacity.

Step 2: Engineering, Routing and Environmental Assessment

- The second step in the process of building a new transmission line is determining potential routes for the line. The Company, along with its outside consultants, considers a variety of environmental and other important factors. The public is encouraged to attend these meetings and learn more about the project, as well as participate.

Step 3: Review/Approval Process

- After the environmental assessment is complete, Oncor files its application with the Public Utility Commission of Texas ("PUCT") requesting a Certificate of Convenience and Necessity ("CCN"), which outlines specific attributes of the line, describes the need for the line and identifies potential impacts on the surrounding community and environment.
- After the Company files the CCN application with the PUCT, interested parties have an opportunity to participate in the process and express their views to the PUCT. In most cases, the PUCT has up to one year to approve or deny a CCN application.

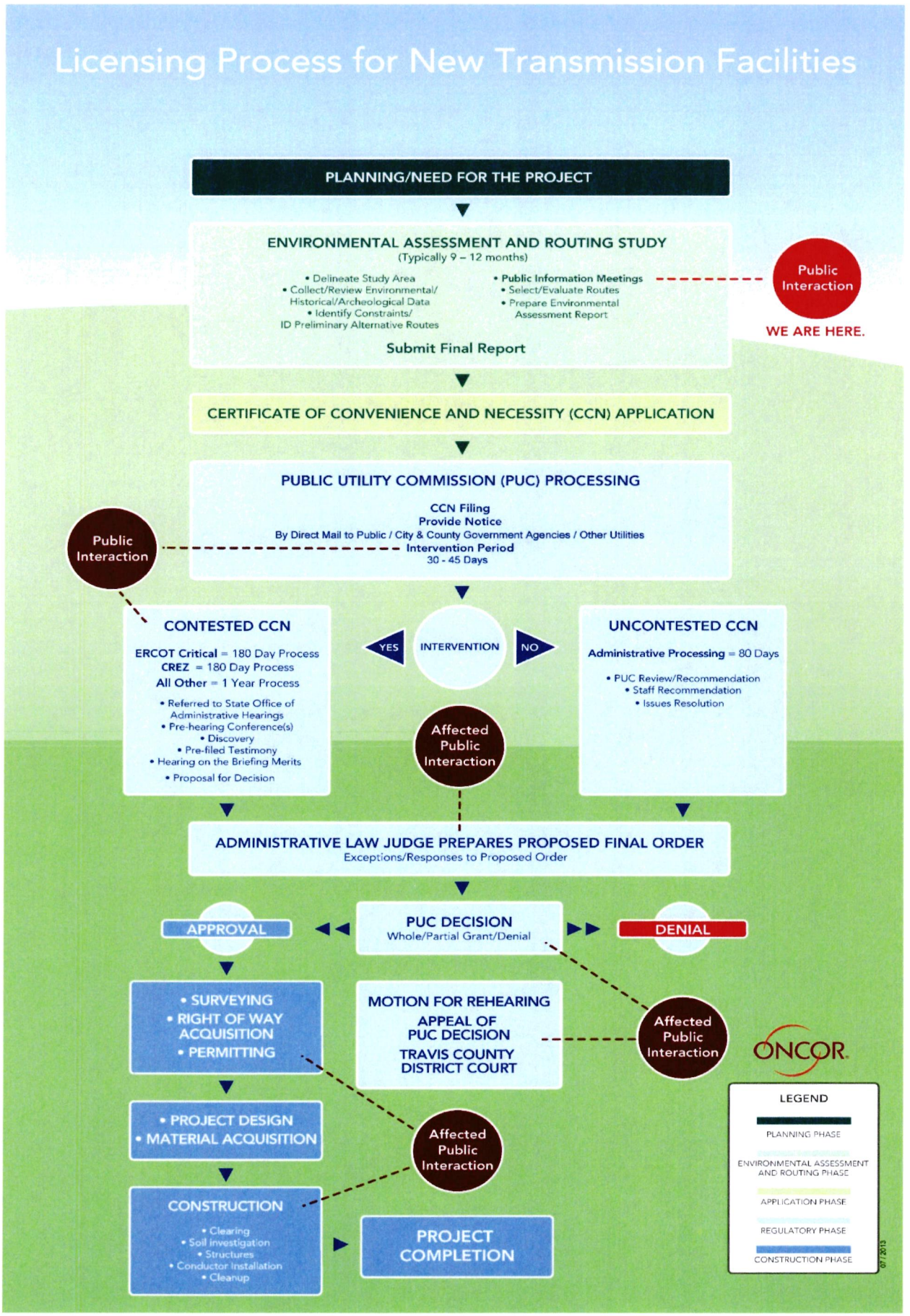
Step 4: Post-Approval

After a CCN is approved by the PUCT, Oncor will begin acquiring rights-of-way and constructing the new facilities. While the requisite formal review and approval process for proposed transmission facilities is an involved process that can take several years to complete, the process is one that thoroughly examines essential interests, including the views of the public, to ensure that the State's electric system continues to be reliable and provides the necessary support for sustained development and growth.

For More Information, contact:

Ife Adetoro
Regulatory Project Manager
Oncor Electric Delivery Company LLC,
transmissionprojects@oncor.com

Public Message
Telephone: 214-486-4918


Licensing Process for New Transmission Facilities
PLANNING/NEED FOR THE PROJECT
ENVIRONMENTAL ASSESSMENT AND ROUTING STUDY
(Typically 9 – 12 months)
• Delineate Study Area
• Collect/Review Environmental/ Historical/Archeological Data
• Identify Constraints/ ID Preliminary Alternative Routes
• Public Information Meetings
• Select/Evaluate Routes
• Prepare Environmental Assessment Report
Submit Final Report
Public Interaction
WE ARE HERE.
CERTIFICATE OF CONVENIENCE AND NECESSITY (CCN) APPLICATION
PUBLIC UTILITY COMMISSION (PUC) PROCESSING
CCN Filing
Provide Notice
By Direct Mail to Public / City & County Government Agencies / Other Utilities
Intervention Period
30 - 45 Days
Public Interaction
CONTESTED CCN
ERCOT Critical = 180 Day Process
CREZ = 180 Day Process
All Other = 1 Year Process
• Referred to State Office of Administrative Hearings
• Pre-hearing Conference(s)
• Discovery
• Pre-filed Testimony
• Hearing on the Briefing Merits
• Proposal for Decision
YES
INTERVENTION
NO
UNCONTESTED CCN
Administrative Processing = 80 Days
• PUC Review/Recommendation
• Staff Recommendation
• Issues Resolution
Affected Public Interaction
ADMINISTRATIVE LAW JUDGE PREPARES PROPOSED FINAL ORDER
Exceptions/Responses to Proposed Order
APPROVAL
PUC DECISION
Whole/Partial Grant/Denial
DENIAL
• SURVEYING
• RIGHT OF WAY ACQUISITION
• PERMITTING
MOTION FOR REHEARING
APPEAL OF PUC DECISION
TRAVIS COUNTY DISTRICT COURT
Affected Public Interaction
ONCOR
• PROJECT DESIGN
• MATERIAL ACQUISITION
Affected Public Interaction
CONSTRUCTION
• Clearing
• Soil investigation
• Structures
• Conductor Installation
• Cleanup
PROJECT COMPLETION
LEGEND
PLANNING PHASE
ENVIRONMENTAL ASSESSMENT AND ROUTING PHASE
APPLICATION PHASE
REGULATORY PHASE
CONSTRUCTION PHASE
07/2013

Licensing Process for New Transmission Facilities
Texas Utilities Code

The governance of the licensing process for new transmission facilities is included within the Texas Utilities Code, Title II – Public Utilities Regulatory Act, Section 37.056.

Sec 37.056 GRANT OR DENIAL OF CERTIFICATE

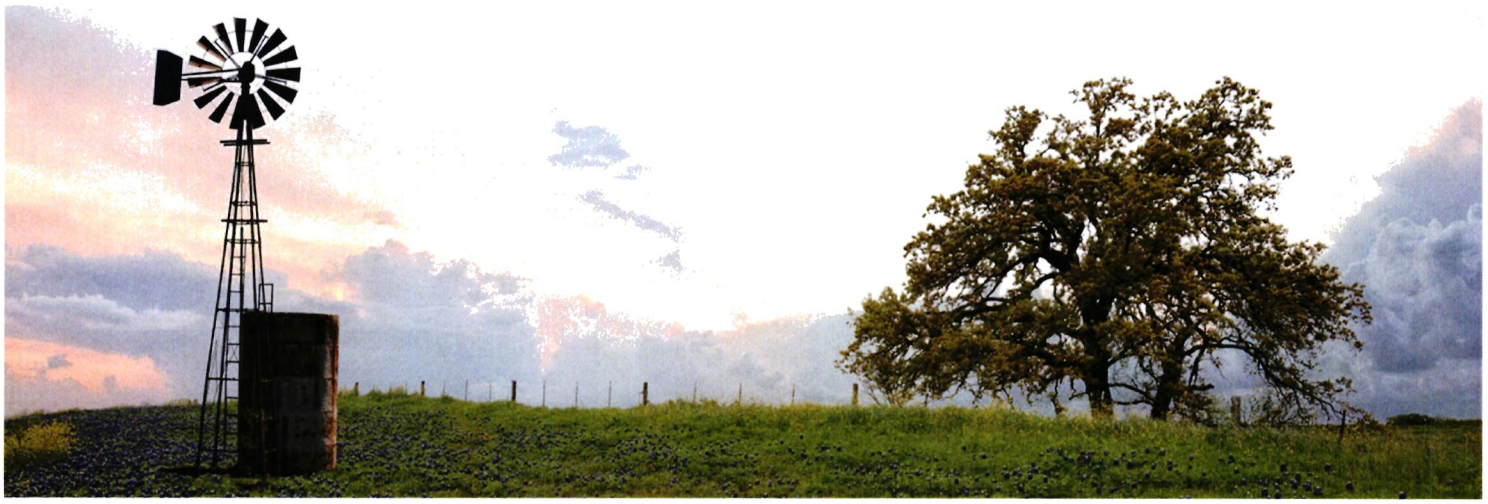
(a) The commission may approve applications and grant a certificate only if the commission finds that the certificate is necessary for the service, accommodation, convenience, or safety of the public.

(b) The commission may:
- (1) issue the certificate as requested;
- (2) grant the certificate for the construction of a portion of the requested system, facility, or extension or the partial exercise of the requested right or privilege; or
- (3) refuse to grant the certificate.

(c) The commission shall grant each certificate on a nondiscriminatory basis after considering;
- (1) the adequacy of existing service;
- (2) the need for additional service;
- (3) the effect of granting the certificate on the recipient of the certificate and on any electric utility serving the proximate area; and
- (4) other factors, such as;
  - (A) community values;
  - (B) recreational and park areas;
  - (C) historical and aesthetic values;
  - (D) environmental integrity; and
  - (E) the probable improvement of service or lowering of cost to consumers in the area if the certificate is granted.

If you have additional questions or would like additional information, you may contact the Public Utility Commission of Texas at P.O. Box 13326, Austin, Texas 78711-3326, or call the Public Utility Commission at (512) 936-7120, or (888) 782-8477. Hearing impaired and speech-impaired individuals with text telephones may contact the commission at (512) 936-7136.

09/2011



THE STATE OF TEXAS

LANDOWNER'S BILL OF RIGHTS

This Landowner's Bill of Rights applies to any attempt to condemn your property. The contents of this Bill of Rights are set out by the Texas Legislature in Texas Government Code section 402.031 and chapter 21 of the Texas Property Code. Any entity exercising eminent domain authority must provide a copy of this Bill of Rights to you.

1. You are entitled to receive adequate compensation if your property is condemned.
2. Your property can only be condemned for a public use.
3. Your property can only be condemned by a governmental entity or private entity authorized by law to do so.
4. The entity that wants to acquire your property must notify you that it intends to condemn your property.
5. The entity proposing to acquire your property must provide you with a written appraisal from a certified appraiser detailing the adequate compensation you are owed for your property.
6. The condemning entity must make a bona fide offer to buy the property before it files a lawsuit to condemn the property—meaning the condemning entity must make a good faith offer that conforms with chapter 21 of the Texas Property Code.
7. You may hire an appraiser or other professional to determine the value of your property or to assist you in any condemnation proceeding.
8. You may hire an attorney to negotiate with the condemning entity and to represent you in any legal proceedings involving the condemnation.
9. Before your property is condemned, you are entitled to a hearing before a court-appointed panel of three special commissioners. The special commissioners must determine the amount of compensation the condemning entity owes for condemning your property. The commissioners must also determine what compensation, if any, you are entitled to receive for any reduction in value of your remaining property.
10. If you are unsatisfied with the compensation awarded by the special commissioners, or if you question whether the condemnation of your property was proper, you have the right to a trial by a judge or jury. You may also appeal the trial court's judgment if you are unsatisfied with the result.

PREPARED BY THE OFFICE OF THE ATTORNEY GENERAL OF TEXAS

CONDEMNATION PROCEDURE

Eminent domain is the legal authority certain governmental and private entities have to condemn private property for public use in exchange for adequate compensation. Only entities authorized by law to do so may condemn private property. Private property can include land and certain improvements that are on that property.

WHO CAN I HIRE TO HELP ME?

You can hire an appraiser or real estate professional to help you determine the value of your property as well as an attorney to negotiate with a condemning entity or to represent you during condemnation proceedings.

WHAT QUALIFIES AS A PUBLIC PURPOSE OR USE?

Your property may be condemned only for a purpose or use that serves the general public. This could include building or expanding roadways, public utilities, parks, universities, and other infrastructure serving the public. Texas law does not allow condemning authorities to exercise eminent domain for tax revenue or economic development.

WHAT IS ADEQUATE COMPENSATION?

Adequate compensation typically means the market value of the property being condemned. It could also include certain damages if your remaining property's market value is diminished by the condemnation or the public purpose for which it is being condemned.

OTHER THAN ADEQUATE COMPENSATION, WHAT OTHER COMPENSATION COULD I BE OWED?

If you are displaced from your residence or place of business, you may be entitled to reimbursement for reasonable expenses incurred while moving to a new site. However, reimbursement costs may not be available if those expenses are recoverable under another law. Also, reimbursement costs are capped at the market value of the property.

WHAT DOES A CONDEMNOR HAVE TO DO BEFORE CONDEMNING MY PROPERTY?

- Provide you a copy of this Landowner's Bill of Rights before, or at the same time as, the entity first represents that it possesses eminent domain authority. It is also required to send this Landowner's Bill of Rights to the last known address of the person listed as the property owner on the most recent tax roll.
- Make a bona fide offer to purchase the property. A bona fide offer includes an initial written offer as well as a final written offer. This process is described more fully in chapter 21 of the Texas Property Code.
- Disclose any appraisal reports. When making its initial offer, the condemning entity must share its appraisal reports that relate to the property from the past 10 years. You have the right to discuss the offer with others and to either accept or reject the offer made by the condemning entity.
- Make a final offer 30 or more days after the initial bona fide offer. The offered compensation must equal or exceed the amount listed in a written, certified appraisal provided to you. The final offer must also provide copies of the instrument conveying the property rights sought (such as the deed transferring title or the easement spelling out the easement rights) and the Landowner's Bill of Rights (if not provided previously). The condemnor must give you at least 14 days to consider the final offer before filing a lawsuit to condemn your property.

WHAT IF I DO NOT ACCEPT AN OFFER BY THE CONDEMNING AUTHORITY?

The condemnor can start the legal condemnation process by filing a lawsuit to acquire your property in the appropriate court of the county where the property is located.

WHAT DOES THE CONDEMNOR HAVE TO INCLUDE IN THE LAWSUIT FILED WITH THE COURT?

The lawsuit must describe the property being condemned and state the following: the public use; your name; that you and the condemning entity were unable to agree on the value of the property; that the condemning entity gave you the Landowner's Bill of Rights; and that the condemning entity made a bona fide offer to voluntarily purchase the property from you.

SPECIAL COMMISSIONERS' HEARING AND AWARD

After the condemning entity files a condemnation lawsuit in court, the judge will appoint three local landowners to serve as special commissioners. The special commissioners are required to schedule a condemnation hearing at the earliest practical time and place and to give you written notice of the hearing.

WHAT DO THE SPECIAL COMMISSIONERS DO?

The special commissioners' role is to determine what is adequate compensation for your property. After hearing evidence from all interested parties, the special commissioners will determine the amount of money that is adequate compensation and file their written decision, known as an "Award," in the court with notice to all parties. Once the Award is filed, the condemning entity may take possession of the property being condemned, even if one or more parties object to the Award of the special commissioners.

ARE THERE LIMITATIONS ON WHAT THE SPECIAL COMMISSIONERS CAN DO?

Yes. The special commissioners are tasked only with determining monetary compensation for the value of the property condemned and the value of any damages to the remaining property. They do not decide whether the condemnation is necessary or if the public use is proper. Further, the special commissioners do not have the power to alter the terms of an easement, reduce the size of the land acquired, or say what access will be allowed to the property during or after the condemnation. The special commissioners also cannot determine who should receive what portion of the compensation they award. Essentially, the special commissioners are empowered only to say how much money the condemnor should pay for the land or rights being acquired.

WHO CAN BE A SPECIAL COMMISSIONER? CAN I OBJECT TO THEM?

Special commissioners must be landowners and residents in the county where the condemnation proceeding is filed, and they must take an oath to assess the amount of adequate compensation fairly, impartially, and according to the law. The judge will give you a reasonable period to object to, or strike, one of the special commissioners. If a commissioner is struck, the judge will appoint a replacement.

WHAT WILL HAPPEN AT THE SPECIAL COMMISSIONERS' HEARING?

The special commissioners will consider any evidence (such as appraisal reports and witness testimony) on the value of your condemned property, the damages or value added to remaining property that is not being condemned, and the condemning entity's proposed use of the property.

WHAT ARE MY RIGHTS AT THE SPECIAL COMMISSIONERS' HEARING?

You have the right to appear or not appear at the hearing. If you do appear, you can question witnesses or offer your own evidence on the value of the property. If you intend to use appraisal reports to support your claim about adequate compensation, you must provide them to the condemning entity 10 days after you receive them or three business days before the hearing, whichever is earlier.

DO I HAVE TO PAY FOR THE SPECIAL COMMISSIONERS' HEARING?

If the special commissioners' award is less than or equal to the amount the condemning entity offered to pay before the proceedings began, then you may be financially responsible for the cost of the condemnation proceedings. But, if the award is more than the condemning entity offered to pay before the proceedings began, then the condemning entity will be responsible for the costs.

WHAT DOES THE CONDEMNOR NEED TO DO TO TAKE POSSESSION OF THE PROPERTY?

Once the condemning entity either pays the amount of the award to you or deposits it into the court's registry, the entity may take possession of the property and put the property to public use. Non-governmental condemning authorities may also be required to post bonds in addition to the award amount. You have the right to withdraw funds that are deposited into the registry of the court, but when you withdraw the money, you can no longer challenge whether the eminent domain action is valid—only whether the amount of compensation is adequate.

OBJECTING TO THE SPECIAL COMMISSIONERS' AWARD

If you, the condemning entity, or any other party is unsatisfied with the amount of the award, that party can formally object. The objection must be filed in writing with the court and is due by the first Monday following the 20th day after the clerk gives notice that the commissioners have filed their award with the court. If no party timely objects to the special commissioners' award, the court will adopt the award amount as the final compensation due and issue a final judgment in absence of objection.

WHAT HAPPENS AFTER I OBJECT TO THE SPECIAL COMMISSIONERS' AWARD?

If a party timely objects, the court will hear the case just like other civil lawsuits. Any party who objects to the award has the right to a trial and can elect whether to have the case decided by a judge or jury.

WHO PAYS FOR TRIAL?

If the verdict amount at trial is greater than the amount of the special commissioners' award, the condemnor may be ordered to pay costs. If the verdict at trial is equal to or less than the amount the condemnor originally offered, you may be ordered to pay costs.

IS THE TRIAL VERDICT THE FINAL DECISION?

Not necessarily. After trial any party may appeal the judgment entered by the court.

DISMISSAL OF THE CONDEMNATION ACTION

A condemnation action may be dismissed by either the condemning authority itself or on a motion by the landowner.

WHAT HAPPENS IF THE CONDEMNING AUTHORITY NO LONGER WANTS TO CONDEMN MY PROPERTY?

If a condemning entity decides it no longer needs your condemned property, it can file a motion to dismiss the condemnation proceeding. If the court grants the motion to dismiss, the case is over, and you can recover reasonable and necessary fees for attorneys, appraisers, photographers, and for other expenses up to that date.

WHAT IF I DO NOT THINK THE CONDEMNING ENTITY HAS THE RIGHT TO CONDEMN MY PROPERTY?

You can challenge the right to condemn your property by filing a motion to dismiss the condemnation proceeding. For example, a landowner could challenge the condemning entity's claim that it seeks to condemn the property for a public use. If the court grants the landowner's motion, the court may award the landowner reasonable and necessary fees and expenses incurred to that date.

CAN I GET MY PROPERTY BACK IF IT IS CONDEMNED BUT NEVER PUT TO A PUBLIC USE?

You may have the right to repurchase your property if your property is acquired through eminent domain and:

- the public use for which the property was acquired is canceled before that property is put to that use,
- no actual progress is made toward the public use within 10 years, or
- the property becomes unnecessary for public use within 10 years.

The repurchase price is the price you were paid at the time of the condemnation.

ADDITIONAL RESOURCES

For more information about the procedures, timelines, and requirements outlined in this document, see chapter 21 of the Texas Property Code. The information in this statement is intended to be a summary of the applicable portions of Texas state law as required by HB 1495, enacted by the 80th Texas Legislature, Regular Session. This statement is not legal advice and is not a substitute for legal counsel.

ONCOR ELECTRIC DELIVERY COMPANY LLC
OLD COUNTRY SWITCH 345 kV TAP LINE TRANSMISSION LINE PROJECT
PUBLIC PARTICIPATION MEETING

Thursday, May 20, 2021

Italy Community Center
108 Harpold, Italy, Texas 76651

https://clients.freese.com/OncorOldCountySwitchProject

4:00 – 7:00 PM

PROJECT QUESTIONNAIRE

This questionnaire is designed to help Oncor Electric Delivery Company, LLC (Oncor) identify and understand interests and concerns of stakeholders in the project area. Responses to the questionnaire will be used in the evaluation of the proposed routes for the new transmission line. The questionnaire is also a tool to help us measure our effectiveness in providing stakeholders with information about the project. We thank you in advance for taking the time to review and complete the questionnaire.

1. Did you attend the public participation meeting online or in-person? Online ○ In-Person ○

2. Was the need for the project adequately explained to you? Yes ○ No ○

3. Were the exhibits and information presented helpful for your understanding of the project? Yes ○ No ○

4. How could we have improved this information?_____

_____

_____

5. The Public Utility Commission of Texas requires that several factors be considered when routing an electric transmission line, including:

   - Proximity to single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, and schools
   - Proximity to commercial radio transmitters, microwave relay stations or other electronic installations
   - Proximity to parks and recreational areas
   - Proximity to FAA-registered airports, private airstrips, and heliports
   - Proximity to historical or archeological sites
   - Agricultural areas irrigated by traveling irrigation systems
   - Environmentally sensitive areas
   - Protected or endangered species

Freese and Nichols has plotted all of these features that we know about on the Environmental and Land Use Constraints Map. To your knowledge, are those features shown on the map accurately plotted? Yes ○ No ○

Are you aware of any of these features that are not presently shown or are incorrectly located on the map? Yes ○ No ○

If so, would you please help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map?_____

_____

_____

6. Identifying a route and constructing transmission lines involves many considerations. From the following list of factors used to route transmission lines, please select and rank the top 5 to 10 factors that are the most important to you. (1=greatest concern; 5 (or more) =least concern)

___Parallel existing electric transmission line right of way where possible.
___Parallel other existing compatible right of way (e.g. roads, highways) where possible.
___Parallel property lines where possible.
___Maximize length through undeveloped land.
___Maximize distance from residences.
___Maximize distance from schools, churches, nursing homes, etc.
___Maximize distance from commercial buildings
___Maximize distance from historical sites or archaeological areas.
___Maximize distance from parks and recreational areas.
___Minimize visibility of the lines.
___Minimize environmental impacts.
___Minimize total length of line (reduces cost of line).
___Minimize loss of trees.
___Minimize length across cropland.
___Minimize length through grassland or pasture.
___Minimize length through wetlands/floodplains.
___Other (please specify) _____

7. Is there any other information you would like the project team to know or take into consideration when evaluating the proposed routes?_____

_____

_____

_____

8. How did you learn about this public participation meeting?_____

_____

_____

9. Which of the following applies to your situation?
   _____ a) Alternative line route is near my home
   _____ b) Alternative line route is near my business
   _____ c) Alternative line route is on my land
   _____ d) Other (please specify)_____

_____

_____

10. Please provide your name and address below (optional).

Name _____

Address _____

City/State_____ Zip _____

11. Do you have any general remarks or comments? _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

If you joined us virtually or completed your questionnaire after the public meeting, please send your completed questionnaire via email to Kimberly.Buckley@freese.com or by U.S mail to:

Kimberly Buckley
Freese and Nichols, Inc.
801 Cherry Street, Suite 2800
Fort Worth, Texas 76102

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APPENDIX C
LINK COMPOSITION OF ALTERNATIVE ROUTES

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Table 7-1. Link Composition of Alternative Routes

Route	Link Sequence	# of Links	Total Length (feet)	Total Length (miles)
1	A - B - C - F - J - L - O - MM - OO	9	24,809	4.7
2	A - B - C - F - J - K - M - O - MM - OO	10	22,278	4.2
3	A - B - C - F - I - N - M - O - MM - OO	10	21,211	4.0
4	A - B - C - F - I - Q - FF - KK - P - M - O - MM - OO	13	23,565	4.5
5	A - B - C - F - I - Q - FF - JJ - NN - OO	10	21,217	4.0
6	A - B - C - F - I - Q - FF - JJ - JP - PP - QQ - OO	12	21,447	4.1
7	A - B - C - F - R - GG - HH - NN - OO	9	22,717	4.3
8	A - B - C - F - R - GG - HH - JP - PP - QQ - OO	11	22,947	4.3
9	A - B - C - F - R - GG - II - WW - VV - PP - QQ - OO	12	22,953	4.3
10	A - B - C - F - R - GG - II - WW - UU - TT - QQ - OO	12	22,929	4.3
11	A - B - C - F - R - GG - II - WW - UU - SS - RR - OO	12	25,388	4.8
12	A - B - D - S - Z - DD - FF - KK - P - M - O - MM - OO	13	21,254	4.0
13	A - B - D - S - Z - DD - FF - JJ - NN - OO	10	18,906	3.6
14	A - B - D - S - Z - DD - FF - JJ - JP - PP - QQ - OO	12	19,136	3.6
15	A - B - D - S - Z - DD - Q - N - M - O - MM - OO	12	20,180	3.8
16	A - B - D - S - Z - EE - KK - P - M - O - MM - OO	12	21,654	4.1
17	A - B - D - S - Z - EE - JJ - NN - OO	9	19,306	3.7
18	A - B - D - S - Z - EE - JJ - JP - PP - QQ - OO	11	19,536	3.7
19	A - B - D - S - AA - BB - GG - HH - NN - OO	10	20,883	4.0
20	A - B - D - S - AA - BB - GG - HH - JJ - JP - PP - QQ - OO	13	22,185	4.2
21	A - B - D - S - AA - BB - GG - II - WW - VV - PP - QQ - OO	13	21,119	4.0
22	A - B - D - S - AA - BB - GG - II - WW - UU - TT - QQ - OO	13	21,095	4.0
23	A - B - D - S - AA - BB - GG - II - WW - UU - SS - RR - OO	13	23,554	4.5
24	A - B - D - S - AA - CC - XX - WW - VV - PP - QQ - OO	12	21,154	4.0
25	A - B - D - S - AA - CC - XX - WW - UU - TT - QQ - OO	12	21,130	4.0
26	A - B - D - S - AA - CC - XX - WW - UU - SS - RR - OO	12	23,589	4.5
27	A - B - D - S - AA - CC - YY - ZZ - RR - OO	10	24,118	4.6
28	A - B - D - S - AA - CC - YY - ZZ - SS - TT - QQ - OO	12	25,171	4.8
29	A - T - U - V - X - Y - Z - DD - Q - N - M - O - MM - OO	14	18,628	3.5
30	A - T - U - V - X - Y - Z - DD - FF - KK - P - M - O - MM - OO	15	19,702	3.7
31	A - T - U - V - X - Y - Z - DD - FF - JJ - NN - OO	12	17,354	3.3
32	A - T - U - V - X - Y - Z - DD - FF - JJ - JP - PP - QQ - OO	14	17,584	3.3
33	A - T - U - V - X - Y - Z - EE - KK - P - M - O - MM - OO	14	20,102	3.8
34	A - T - U - V - X - Y - Z - EE - JJ - NN - OO	11	17,754	3.4
35	A - T - U - V - X - Y - Z - EE - JJ - JP - PP - QQ - OO	13	17,984	3.4
36	A - T - U - V - X - Y - AA - BB - GG - HH - NN - OO	12	19,331	3.7
37	A - T - U - V - X - Y - AA - BB - GG - HH - JP - PP - QQ - OO	14	19,561	3.7
38	A - T - U - V - X - Y - AA - BB - GG - II - WW - VV - PP - QQ - OO	15	19,567	3.7
39	A - T - U - V - X - Y - AA - BB - GG - II - WW - UU - TT - QQ - OO	15	19,543	3.7
40	A - T - U - V - X - Y - AA - BB - GG - II - WW - UU - SS - RR - OO	15	22,002	4.2
41	A - T - U - V - X - Y - AA - CC - XX - WW - VV - PP - QQ - OO	14	19,602	3.7

Table 7-1. Link Composition of Alternative Routes

Route	Link Sequence	# of Links	Total Length (feet)	Total Length (miles)
42	A - T - U - V - X - Y - AA - CC - XX - WW - UU - TT - QQ - OO	14	19,578	3.7
43	A - T - U - V - X - Y - AA - CC - XX - WW - UU - SS - RR - OO	14	22,037	4.2
44	A - T - U - V - X - Y - AA - CC - YY - ZZ - RR - OO	12	22,566	4.3
45	A - T - U - V - X - Y - AA - CC - YY - ZZ - SS - TT - QQ - OO	14	23,619	4.5
46	A - T - U - V - X - Y - S - G - H - J - L - O - MM - OO	14	23,817	4.5
47	A - T - U - V - X - Y - S - G - H - J - K - M - O - MM - OO	15	21,286	4.0
48	A - T - U - V - X - Y - S - G - H - I - N - M - O - MM - OO	15	20,219	3.8
49	A - T - U - V - X - Y - S - G - H - I - Q - FF - KK - P - M - O - MM - OO	18	22,573	4.3
50	A - T - U - V - X - Y - S - G - H - I - Q - FF - JJ - NN - OO	15	20,225	3.8
51	A - T - U - V - X - Y - S - G - H - I - Q - FF - JJ - JP - PP - QQ - OO	17	20,455	3.9
52	A - T - U1 - V1 - X1 - Y - Z - DD - Q - N - M - O - MM - OO	14	18,214	3.4
53	A - T - U1 - V1 - X1 - Y - Z - DD - FF - KK - P - M - O - MM - OO	15	19,288	3.7
54	A - T - U1 - V1 - X1 - Y - Z - DD - FF - JJ - NN - OO	12	16,940	3.2
55	A - T - U1 - V1 - X1 - Y - Z - DD - FF - JJ - JP - PP - QQ - OO	14	17,170	3.3
56	A - T - U1 - V1 - X1 - Y - Z - EE - KK - P - M - O - MM - OO	14	19,688	3.7
57	A - T - U1 - V1 - X1 - Y - Z - EE - JJ - NN - OO	11	17,340	3.3
58	A - T - U1 - V1 - X1 - Y - Z - EE - JJ - JP - PP - QQ - OO	13	17,570	3.3
59	A - T - U1 - V1 - X1 - Y - AA - BB - GG - HH - NN - OO	12	18,917	3.6
60	A - T - U1 - V1 - X1 - Y - AA - BB - GG - HH - JP - PP - QQ - OO	14	19,147	3.6
61	A - T - U1 - V1 - X1 - Y - AA - BB - GG - II - WW - VV - PP - QQ - OO	15	19,153	3.6
62	A - T - U1 - V1 - X1 - Y - AA - BB - GG - II - WW - UU - TT - QQ - OO	15	19,129	3.6
63	A - T - U1 - V1 - X1 - Y - AA - BB - GG - II - WW - UU - SS - RR - OO	15	21,588	4.1
64	A - T - U1 - V1 - X1 - Y - AA - CC - XX - WW - VV - PP - QQ - OO	14	19,188	3.6
65	A - T - U1 - V1 - X1 - Y - AA - CC - XX - WW - UU - TT - QQ - OO	14	19,164	3.6
66	A - T - U1 - V1 - X1 - Y - AA - CC - XX - WW - UU - SS - RR - OO	14	21,623	4.1
67	A - T - U1 - V1 - X1 - Y - AA - CC - YY - ZZ - RR - OO	12	22,152	4.2
68	A - T - U1 - V1 - X1 - Y - AA - CC - YY - ZZ - SS - TT - QQ - OO	14	23,205	4.4
69	A - T - U1 - V1 - X1 - Y - S - G - H - J - L - O - MM - OO	14	23,403	4.4
70	A - T - U1 - V1 - X1 - Y - S - G - H - J - K - M - O - MM - OO	15	20,872	4.0
71	A - T - U1 - V1 - X1 - Y - S - G - H - I - N - M - O - MM - OO	15	19,805	3.8
72	A - T - U1 - V1 - X1 - Y - S - G - H - I - Q - FF - KK - P - M - O - MM - OO	18	22,159	4.2
73	A - T - U1 - V1 - X1 - Y - S - G - H - I - Q - FF - JJ - NN - OO	15	19,811	3.8
74	A - T - U1 - V1 - X1 - Y - S - G - H - I - Q - FF - JJ - JP - PP - QQ - OO	17	20,041	3.8
75	A - T - U - V - W - W2 - Y - Z - DD - Q - N - M - O - MM - OO	15	19,788	3.7
76	A - T - U - V - W - W2 - Y - Z - DD - FF - KK - P - M - O - MM - OO	16	20,862	4.0
77	A - T - U - V - W - W2 - Y - Z - DD - FF - JJ - NN - OO	13	18,514	3.5
78	A - T - U - V - W - W2 - Y - Z - DD - FF - JJ - JP - PP - QQ - OO	15	18,744	3.6
79	A - T - U - V - W - W2 - Y - Z - EE - KK - P - M - O - MM - OO	15	21,262	4.0
80	A - T - U - V - W - W2 - Y - Z - EE - JJ - NN - OO	12	18,914	3.6
81	A - T - U - V - W - W2 - Y - Z - EE - JJ - JP - PP - QQ - OO	14	19,144	3.6
82	A - T - U - V - W - W2 - Y - AA - BB - GG - HH - NN - OO	13	20,491	3.9

Table 7-1. Link Composition of Alternative Routes

Route	Link Sequence	# of Links	Total Length (feet)	Total Length (miles)
83	A - T - U - V - W - W2 - Y - AA - BB - GG - HH - JP - PP - QQ - OO	15	20,721	3.9
84	A - T - U - V - W - W2 - Y - AA - BB - GG - II - WW - VV - PP - QQ - OO	16	20,727	3.9
85	A - T - U - V - W - W2 - Y - AA - BB - GG - II - WW - UU - TT - QQ - OO	16	20,703	3.9
86	A - T - U - V - W - W2 - Y - AA - BB - GG - II - WW - UU - SS - RR - OO	16	23,162	4.4
87	A - T - U - V - W - W2 - Y - AA - CC - XX - WW - VV - PP - QQ - OO	15	20,762	3.9
88	A - T - U - V - W - W2 - Y - AA - CC - XX - WW - UU - TT - QQ - OO	15	20,738	3.9
89	A - T - U - V - W - W2 - Y - AA - CC - XX - WW - UU - SS - RR - OO	15	23,197	4.4
90	A - T - U - V - W - W2 - Y - AA - CC - YY - ZZ - RR - OO	13	23,726	4.5
91	A - T - U - V - W - W2 - Y - AA - CC - YY - ZZ - SS - TT - QQ - OO	15	24,779	4.7
92	A - T - U - V - W - W2 - Y - S - G - H - J - L - O - MM - OO	15	24,977	4.7
93	A - T - U - V - W - W2 - Y - S - G - H - J - K - M - O - MM - OO	16	22,446	4.3
94	A - T - U - V - W - W2 - Y - S - G - H - I - N - M - O - MM - OO	16	21,379	4.0
95	A - T - U - V - W - W2 - Y - S - G - H - I - Q - FF - KK - P - M - O - MM - OO	19	23,733	4.5
96	A - T - U - V - W - W2 - Y - S - G - H - I - Q - FF - JJ - NN - OO	16	21,385	4.1
97	A - T - U - V - W - W2 - Y - S - G - H - I - Q - FF - JJ - JP - PP - QQ - OO	18	21,615	4.1
98	A - T - U - V - W - X1 - Y - Z - DD - Q - N - M - O - MM - OO	15	18,960	3.6
99	A - T - U - V - W - X1 - Y - Z - DD - FF - KK - P - M - O - MM - OO	16	20,034	3.8
100	A - T - U - V - W - X1 - Y - Z - DD - FF - JJ - NN - OO	13	17,686	3.3
101	A - T - U - V - W - X1 - Y - Z - DD - FF - JJ - JP - PP - QQ - OO	15	17,916	3.4
102	A - T - U - V - W - X1 - Y - Z - EE - KK - P - M - O - MM - OO	15	20,434	3.9
103	A - T - U - V - W - X1 - Y - Z - EE - JJ - NN - OO	12	18,086	3.4
104	A - T - U - V - W - X1 - Y - Z - EE - JJ - JP - PP - QQ - OO	14	18,316	3.5
105	A - T - U - V - W - X1 - Y - AA - BB - GG - HH - NN - OO	13	19,663	3.7
106	A - T - U - V - W - X1 - Y - AA - BB - GG - HH - JP - PP - QQ - OO	15	19,893	3.8
107	A - T - U - V - W - X1 - Y - AA - BB - GG - II - WW - VV - PP - QQ - OO	16	19,899	3.8
108	A - T - U - V - W - X1 - Y - AA - BB - GG - II - WW - UU - TT - QQ - OO	16	19,875	3.8
109	A - T - U - V - W - X1 - Y - AA - BB - GG - II - WW - UU - SS - RR - OO	16	22,334	4.2
110	A - T - U - V - W - X1 - Y - AA - CC - XX - WW - VV - PP - QQ - OO	15	19,934	3.8
111	A - T - U - V - W - X1 - Y - AA - CC - XX - WW - UU - TT - QQ - OO	15	19,910	3.8
112	A - T - U - V - W - X1 - Y - AA - CC - XX - WW - UU - SS - RR - OO	15	22,369	4.2
113	A - T - U - V - W - X1 - Y - AA - CC - YY - ZZ - RR - OO	13	22,898	4.3
114	A - T - U - V - W - X1 - Y - AA - CC - YY - ZZ - SS - TT - QQ - OO	15	23,951	4.5
115	A - T - U - V - W - X1 - Y - S - G - H - J - L - O - MM - OO	15	24,149	4.6
116	A - T - U - V - W - X1 - Y - S - G - H - J - K - M - O - MM - OO	16	21,618	4.1
117	A - T - U - V - W - X1 - Y - S - G - H - I - N - M - O - MM - OO	16	20,551	3.9
118	A - T - U - V - W - X1 - Y - S - G - H - I - Q - FF - KK - P - M - O - MM - OO	19	22,905	4.3
119	A - T - U - V - W - X1 - Y - S - G - H - I - Q - FF - JJ - NN - OO	16	20,557	3.9
120	A - T - U - V - W - X1 - Y - S - G - H - I - Q - FF - JJ - JP - PP - QQ - OO	18	20,787	3.9
121	A - T - U1 - V1 - W2 - Y - Z - DD - Q - N - M - O - MM - OO	14	19,042	3.6
122	A - T - U1 - V1 - W2 - Y - Z - DD - FF - KK - P - M - O - MM - OO	15	20,116	3.8
123	A - T - U1 - V1 - W2 - Y - Z - DD - FF - JJ - NN - OO	12	17,768	3.4

Table 7-1. Link Composition of Alternative Routes

Route	Link Sequence	# of Links	Total Length (feet)	Total Length (miles)
124	A - T - U1 - V1 - W2 - Y - Z - DD - FF - JJ - JP - PP - QQ - OO	14	17,998	3.4
125	A - T - U1 - V1 - W2 - Y - Z - EE - KK - P - M - O - MM - OO	14	20,516	3.9
126	A - T - U1 - V1 - W2 - Y - Z - EE - JJ - NN - OO	11	18,168	3.4
127	A - T - U1 - V1 - W2 - Y - Z - EE - JJ - JP - PP - QQ - OO	13	18,398	3.5
128	A - T - U1 - V1 - W2 - Y - AA - BB - GG - HH - NN - OO	12	19,745	3.7
129	A - T - U1 - V1 - W2 - Y - AA - BB - GG - HH - JP - PP - QQ - OO	14	19,975	3.8
130	A - T - U1 - V1 - W2 - Y - AA - BB - GG - II - WW - VV - PP - QQ - OO	15	19,981	3.8
131	A - T - U1 - V1 - W2 - Y - AA - BB - GG - II - WW - UU - TT - QQ - OO	15	19,957	3.8
132	A - T - U1 - V1 - W2 - Y - AA - BB - GG - II - WW - UU - SS - RR - OO	15	22,416	4.2
133	A - T - U1 - V1 - W2 - Y - AA - CC - XX - WW - VV - PP - QQ - OO	14	20,016	3.8
134	A - T - U1 - V1 - W2 - Y - AA - CC - XX - WW - UU - TT - QQ - OO	14	19,992	3.8
135	A - T - U1 - V1 - W2 - Y - AA - CC - XX - WW - UU - SS - RR - OO	14	22,451	4.3
136	A - T - U1 - V1 - W2 - Y - AA - CC - YY - ZZ - RR - OO	12	22,980	4.4
137	A - T - U1 - V1 - W2 - Y - AA - CC - YY - ZZ - SS - TT - QQ - OO	14	24,033	4.6
138	A - T - U1 - V1 - W2 - Y - S - G - H - J - L - O - MM - OO	14	24,231	4.6
139	A - T - U1 - V1 - W2 - Y - S - G - H - J - K - M - O - MM - OO	15	21,700	4.1
140	A - T - U1 - V1 - W2 - Y - S - G - H - I - N - M - O - MM - OO	15	20,633	3.9
141	A - T - U1 - V1 - W2 - Y - S - G - H - I - Q - FF - KK - P - M - O - MM - OO	18	22,987	4.4
142	A - T - U1 - V1 - W2 - Y - S - G - H - I - Q - FF - JJ - NN - OO	15	20,639	3.9
143	A - T - U1 - V1 - W2 - Y - S - G - H - I - Q - FF - JJ - JP - PP - QQ - OO	17	20,869	4.0
144	A - T - EEE - EEE1 - CCC - XX - WW - VV - PP - QQ - OO	11	21,118	4.0
145	A - T - EEE - EEE1 - CCC - XX - WW - UU - TT - QQ - OO	11	21,094	4.0
146	A - T - EEE - EEE1 - CCC - XX - WW - UU - TT - SS - RR - OO	12	24,096	4.6
147	A - T - EEE - EEE1 - CCC - YY - ZZ - RR - OO	9	24,082	4.6
148	A - T - EEE - EEE1 - CCC - YY - ZZ - SS - TT - QQ - OO	11	25,135	4.8
149	A - T - EEE - EEE1 - GGG - ZZ1 - ZZ - RR - OO	9	25,065	4.7
150	A - T - EEE - EEE1 - GGG - ZZ1 - ZZ - SS - TT - QQ - OO	11	26,118	4.9
151	A - T - U1 - DDD - EEE1 - CCC - XX - WW - VV - PP - QQ - OO	12	22,242	4.2
152	A - T - U1 - DDD - EEE1 - CCC - XX - WW - UU - TT - QQ - OO	12	22,218	4.2
153	A - T - U1 - DDD - EEE1 - CCC - XX - WW - UU - TT - SS - RR - OO	13	25,220	4.8
154	A - T - U1 - DDD - EEE1 - CCC - YY - ZZ - RR - OO	10	25,206	4.8
155	A - T - U1 - DDD - EEE1 - CCC - YY - ZZ - SS - TT - QQ - OO	12	26,259	5.0
156	A - T - U1 - DDD - EEE1 - GGG - ZZ1 - ZZ - RR - OO	10	26,189	5.0
157	A - T - U1 - DDD - EEE1 - GGG - ZZ1 - ZZ - SS - TT - QQ - OO	12	27,242	5.2

APPENDIX D
ENVIRONMENTAL DATA FOR ALTERNATIVE ROUTE EVALUATION

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	1	2	3	4	5	6	7	8	9	10
Length of alternative route (feet)	24,809	22,278	21,211	23,565	21,217	21,447	22,717	22,947	22,953	22,929
Length of alternative route (miles)	4 7	4 2	4 0	4 5	4 0	4 1	4 3	4 3	4 3	4 3
Length of route parallel to existing electric transmission lines	0	0	0	0	0	0	4,030	4,030	4,282	5,199
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	0	2,187	5,026	4,176	3,061	4,220	0	1,159	907	917
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	824	3,011	5,850	6,959	3,885	6,601	1,928	4,644	4,167	4,132
Length of route parallel to existing compatible rights-of-way	824	3,011	5,850	6,959	3,885	6,601	5,958	8,674	8,449	8,414
Number of habitable structures within 500 feet of the route centerline[1]	4	4	4	4	5	5	5	5	4	4
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	9,066	8,056	7,260	9,334	7,966	7,617	8,846	8,497	8,522	8,279
Length across rangeland pasture	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147	1,147
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	8,956	8,426	7,160	7,160	7,160	7,160	7,467	7,467	7,467	7,467
Length of route across riparian areas	1,938	2,832	2,201	2,201	1,753	2,166	1,575	1,988	1,988	1,988
Length of route across potential wetlands	120	0	154	154	154	154	151	151	151	151
Number of stream crossings by the route	7	7	5	5	5	5	5	5	5	5
Length of route parallel to streams (within 100 feet)	325	325	325	325	325	655	325	655	655	655
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,938	2,832	2,201	2,201	1,753	2,166	1,575	1,988	1,988	1,988
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	4	4	4	6	4	4	5	5	5	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet.

[1] Structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis. Habitable structures include but are not limited to a single family and multi family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, and schools. The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route has a horizontal accuracy of +/- 20 feet. To account for this level of accuracy, FMI identified all habitable structures within a measured distance of 530 feet of each alternative route centerline.

[2] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	11	12	13	14	15	16	17	18	19	20
Length of alternative route (feet)	25,388	21,254	18,906	19,136	20,180	21,654	19,306	19,536	20,883	22,185
Length of alternative route (miles)	4 8	4 0	3 6	3 6	3 8	4 1	3 7	3 7	4 0	4 2
Length of route parallel to existing electric transmission lines	7,982	0	0	0	0	2,228	2,228	2,228	2,676	2,676
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	2,673	7,675	6,560	7,719	8,525	7,078	5,963	7,122	0	2,231
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	5,080	9,128	6,054	8,770	8,019	8,531	5,457	8,173	1,978	5,716
Length of route parallel to existing compatible rights-of-way	9,399	10,458	7,384	10,100	9,349	9,861	6,787	9,503	4,604	8,392
Number of habitable structures within 500 feet of the route centerline[1]	5	3	4	4	3	4	4	4	4	4
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	9,353	9,949	8,581	8,232	8,875	10,419	9,051	8,702	10,904	11,507
Length across rangeland pasture	1,147	0	0	0	0	0	0	0	0	0
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	7,467	6,342	6,342	6,342	6,342	6,342	6,342	6,342	6,342	6,342
Length of route across riparian areas	2,049	1,913	1,465	1,878	1,913	1,913	1,465	1,878	1,414	1,827
Length of route across potential wetlands	151	104	104	104	104	104	104	104	187	187
Number of stream crossings by the route	7	7	7	7	7	7	7	7	6	6
Length of route parallel to streams (within 100 feet)	325	325	325	655	325	325	325	655	325	655
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	1	1
Length of the route across areas of high archaeological/historical site potential	2,049	1,913	1,465	1,878	1,913	1,913	1,465	1,878	1,414	1,827
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	5	5	3	3	5	5	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of way within foreground visual zone of park/recreational areas[3]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All lengths measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet

[1] Structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis. Habitable structures include but are not limited to a single family and multi family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, and schools. The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route has a horizontal accuracy of +/- 20 feet. To account for this level of accuracy, PNI identified all habitable structures within a measured distance of 570 feet of each alternative route centerline.

[2] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	21	22	23	24	25	26	27	28	29	30
Length of alternative route (feet)	21,119	21,095	23,554	21,154	21,130	23,589	24,118	25,171	18,628	19,702
Length of alternative route (miles)	4 0	4 0	4 5	4 0	4 0	4 5	4 6	4 8	3 5	3 7
Length of route parallel to existing electric transmission lines	2,928	3,845	6,628	0	917	3,700	3,060	3,789	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	907	917	2,673	907	917	2,673	0	1,756	9,385	8,535
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	4,167	4,132	5,080	5,532	5,497	6,445	1,814	4,378	8,055	9,164
Length of route parallel to existing compatible rights-of-way	7,095	7,060	8,045	5,532	5,497	6,482	3,884	6,411	9,385	10,494
Number of habitable structures within 500 feet of the route centerline[1]	3	3	4	3	3	4	4	3	8	8
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	10,580	10,337	11,411	9,811	9,568	10,642	10,894	11,900	9,324	10,398
Length across rangeland pasture	0	0	0	0	0	0	0	0	2,590	2,590
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	6,342	6,342	6,342	7,051	7,051	7,051	7,051	7,051	3,278	3,278
Length of route across riparian areas	1,827	1,827	1,888	1,827	1,827	1,888	2,722	2,979	1,149	1,149
Length of route across potential wetlands	187	187	187	236	236	236	236	236	104	104
Number of stream crossings by the route	6	6	8	6	6	8	8	8	3	3
Length of route parallel to streams (within 100 feet)	655	655	325	860	860	530	530	860	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	1	1	1	1	1	1	1	0	0
Length of the route across areas of high archaeological/historical site potential	1,827	1,827	1,888	1,827	1,827	1,888	2,722	2,979	1,149	1,149
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	3	3	3	3	5	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet.

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[2] Defined as parks and recreational areas owned by a governmental body or an organized group club or church.

Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	31	32	33	34	35	36	37	38	39[1]	40
Length of alternative route (feet)	17,354	17,584	20,102	17,754	17,984	19,331	19,561	19,567	19,543	22,002
Length of alternative route (miles)	3 3	3 3	3 8	3 4	3 4	3 7	3 7	3 7	3 7	4 2
Length of route parallel to existing electric transmission lines	0	0	2,228	2,228	2,228	2,676	2,676	2,928	3,845	6,628
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	7,420	8,579	7,938	6,823	7,982	860	2,019	1,767	1,777	3,533
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	6,090	8,806	8,567	5,493	8,209	1,964	4,680	4,203	4,168	5,116
Length of route parallel to existing compatible rights-of-way	7,420	10,136	9,897	6,823	9,539	4,640	7,356	7,131	7,096	8,081
Number of habitable structures within 500 feet of the route centerline[1]	9	9	9	9	9	9	9	8	8	9
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	9,030	8,681	10,868	9,500	9,151	11,353	11,004	11,029	10,786	11,860
Length across rangeland pasture	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,278	3,278	3,278	3,278	3,278	3,278	3,278	3,278	3,278	3,278
Length of route across riparian areas	701	1,114	1,149	701	1,114	650	1,063	1,063	1,063	1,124
Length of route across potential wetlands	104	104	104	104	104	187	187	187	187	187
Number of stream crossings by the route	3	3	3	3	3	2	2	2	2	4
Length of route parallel to streams (within 100 feet)	0	330	0	0	330	0	330	330	330	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	1	1	1	1	1
Length of the route across areas of high archaeological/historical site potential	701	1,114	1,149	701	1,114	650	1,063	1,063	1,063	1,124
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	5	3	3	3	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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[2] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	41	42	43	44	45	46	47	48	49	50
Length of alternative route (feet)	19,602	19,578	22,037	22,566	23,619	23,817	21,286	20,219	22,573	20,225
Length of alternative route (miles)	3 7	3 7	4 2	4 3	4 5	4 5	4 0	3 8	4 3	3 8
Length of route parallel to existing electric transmission lines	0	917	3,700	3,060	3,789	0	0	0	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	1,767	1,777	3,533	860	2,616	860	3,047	5,886	5,036	3,921
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	5,568	5,533	6,481	1,850	4,414	1,950	4,137	6,976	8,085	5,011
Length of route parallel to existing compatible rights-of-way	5,568	5,533	6,518	3,920	6,447	1,950	4,137	6,976	8,085	5,011
Number of habitable structures within 500 feet of the route centerline[1]	8	8	9	9	8	8	8	8	8	9
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	10,260	10,017	11,091	11,343	12,349	10,116	9,106	8,310	10,384	9,016
Length across rangeland pasture	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590	2,590
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,987	3,987	3,987	3,987	3,987	5,330	4,800	3,534	3,534	3,534
Length of route across riparian areas	1,063	1,063	1,124	1,958	2,215	1,411	2,305	1,674	1,674	1,226
Length of route across potential wetlands	236	236	236	236	236	325	205	359	359	359
Number of stream crossings by the route	2	2	4	4	4	7	7	5	5	5
Length of route parallel to streams (within 100 feet)	535	535	205	205	535	0	0	0	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	1	1	1	1	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,063	1,063	1,124	1,958	2,215	1,411	2,305	1,674	1,674	1,226
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	3	5	5	5	7	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All horizontal measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standard of +/- 6 meters or approximately +/- 20 feet.

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[2] Defined as parks and recreational areas owned by a governmental body or an organized group club or church.

Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Length of alternative route (feet)	20,455	18,214	19,288	16,940	17,170	19,688	17,340	17,570	18,917	19,147
Length of alternative route (miles)	3 9	3 4	3 7	3 2	3 3	3 7	3 3	3 3	3 6	3 6
Length of route parallel to existing electric transmission lines	0	0	0	0	0	2,228	2,228	2,228	2,676	2,676
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	5,080	9,385	8,535	7,420	8,579	7,938	6,823	7,982	860	2,019
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	7,727	8,055	9,164	6,090	8,806	8,567	5,493	8,209	1,964	4,680
Length of route parallel to existing compatible rights-of-way	7,727	9,385	10,494	7,420	10,136	9,897	6,823	9,539	4,640	7,356
Number of habitable structures within 500 feet of the route centerline[1]	9	4	4	5	5	5	5	5	5	5
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	8,667	9,324	10,398	9,030	8,681	10,868	9,500	9,151	11,353	11,004
Length across rangeland pasture	2,590	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,534	2,934	2,934	2,934	2,934	2,934	2,934	2,934	2,934	2,934
Length of route across riparian areas	1,639	1,149	1,149	701	1,114	1,149	701	1,114	650	1,063
Length of route across potential wetlands	359	104	104	104	104	104	104	104	187	187
Number of stream crossings by the route	5	4	4	4	4	4	4	4	3	3
Length of route parallel to streams (within 100 feet)	330	0	0	0	330	0	0	330	0	330
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	1	1
Length of the route across areas of high archaeological/historical site potential	1,639	1,149	1,149	701	1,114	1,149	701	1,114	650	1,063
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	5	5	5	3	3	5	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet.

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	61	62	63	64	65	66	67	68	69	70
Length of alternative route (feet)	19,153	19,129	21,588	19,188	19,164	21,623	22,152	23,205	23,403	20,872
Length of alternative route (miles)	3 6	3 6	4 1	3 6	3 6	4 1	4 2	4 4	4 4	4 0
Length of route parallel to existing electric transmission lines	2,928	3,845	6,628	0	917	3,700	3,060	3,789	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	1,767	1,777	3,533	1,767	1,777	3,533	860	2,616	860	3,047
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	4,203	4,168	5,116	5,568	5,533	6,481	1,850	4,414	1,950	4,137
Length of route parallel to existing compatible rights-of-way	7,131	7,096	8,081	5,568	5,533	6,518	3,920	6,447	1,950	4,137
Number of habitable structures within 500 feet of the route centerline[1]	4	4	5	4	4	5	5	4	4	4
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	11,029	10,786	11,860	10,260	10,017	11,091	11,343	12,349	10,116	9,106
Length across rangeland pasture	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	2,934	2,934	2,934	3,643	3,643	3,643	3,643	3,643	4,986	4,456
Length of route across riparian areas	1,063	1,063	1,124	1,063	1,063	1,124	1,958	2,215	1,411	2,305
Length of route across potential wetlands	187	187	187	236	236	236	236	236	325	205
Number of stream crossings by the route	3	3	5	3	3	5	5	5	8	8
Length of route parallel to streams (within 100 feet)	330	330	0	535	535	705	205	535	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	1	1	1	1	1	1	1	0	0
Length of the route across areas of high archaeological/historical site potential	1,063	1,063	1,124	1,063	1,063	1,124	1,958	2,215	1,411	2,305
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	3	3	3	3	5	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note All length measurements are provided in feet unless otherwise stated All linear measurements were obtained from Digital Globe ortho imagery flown in 2020
The aerial photography was ortho rectified to National Map Accuracy Standards of +/ 6 meters or approximately +/ 20 feet

[1] Structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis Habitable structures include but are not limited to a single family and multi family dwellings and related structures mobile homes apartment buildings commercial structures industrial structures business structures churches hospitals nursing homes and schools The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route has a horizontal accuracy of / 20 feet To account for this level of accuracy FNI identified all habitable structures within a measured distance of 570 feet of each alternative route centerline

[2] Defined as parks and recreational areas owned by a government/ body or an organized group club or church

Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	71	72	73	74	75	76	77	78	79	80
Length of alternative route (feet)	19,805	22,159	19,811	20,041	19,788	20,862	18,514	18,744	21,262	18,914
Length of alternative route (miles)	3 8	4 2	3 8	3 8	3 7	4 0	3 5	3 6	4 0	3 6
Length of route parallel to existing electric transmission lines	0	0	0	0	0	0	0	0	2,228	2,228
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	5,886	5,036	3,921	5,080	9,385	8,535	7,420	8,579	7,938	6,823
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	6,976	8,085	5,011	7,727	12,282	13,391	10,317	13,033	12,794	9,720
Length of route parallel to existing compatible rights-of-way	6,976	8,085	5,011	7,727	13,612	14,721	11,647	14,363	14,124	11,050
Number of habitable structures within 500 feet of the route centerline[1]	4	4	5	5	9	9	10	10	10	10
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	8,310	10,384	9,016	8,667	9,324	10,398	9,030	8,681	10,868	9,500
Length across rangeland pasture	2,324	2,324	2,324	2,324	2,918	2,918	2,918	2,918	2,918	2,918
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,190	3,190	3,190	3,190	3,776	3,776	3,776	3,776	3,776	3,776
Length of route across riparian areas	1,674	1,674	1,226	1,639	1,149	1,149	701	1,114	1,149	701
Length of route across potential wetlands	359	359	359	359	104	104	104	104	104	104
Number of stream crossings by the route	6	6	6	6	3	3	3	3	3	3
Length of route parallel to streams (within 100 feet)	0	0	0	330	0	0	0	330	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,674	1,674	1,226	1,639	1,149	1,149	701	1,114	1,149	701
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	5	7	5	5	5	5	3	3	5	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All lengths measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 5 meters or approximately +/- 20 feet.

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Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	81	82	83	84	85	86	87	88	89	90
Length of alternative route (feet)	19,144	20,491	20,721	20,727	20,703	23,162	20,762	20,738	23,197	23,726
Length of alternative route (miles)	3 6	3 9	3 9	3 9	3 9	4 4	3 9	3 9	4 4	4 5
Length of route parallel to existing electric transmission lines	2,228	2,676	2,676	2,928	3,845	6,628	0	917	3,700	3,060
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	7,982	860	2,019	1,767	1,777	3,533	1,767	1,777	3,533	860
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	12,436	6,191	8,907	8,430	8,395	9,343	9,795	9,760	10,708	6,077
Length of route parallel to existing compatible rights-of-way	13,766	8,867	11,583	11,358	11,323	12,308	9,795	9,760	10,745	8,147
Number of habitable structures within 500 feet of the route centerline[1]	10	10	10	9	9	10	9	9	10	10
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	9,151	11,353	11,004	11,029	10,786	11,860	10,260	10,017	11,091	11,343
Length across rangeland pasture	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,776	3,776	3,776	3,776	3,776	3,776	4,485	4,485	4,485	4,485
Length of route across riparian areas	1,114	650	1,063	1,063	1,063	1,124	1,063	1,063	1,124	1,958
Length of route across potential wetlands	104	187	187	187	187	187	236	236	236	236
Number of stream crossings by the route	3	7	2	2	2	4	2	2	4	4
Length of route parallel to streams (within 100 feet)	330	0	330	330	330	0	535	535	205	205
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	1	1	1	1	1	1	1	1	1
Length of the route across areas of high archaeological/historical site potential	1,114	650	1,063	1,063	1,063	1,124	1,063	1,063	1,124	1,958
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	3	3	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All land use assessments were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet

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Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	91	92	93	94	95	96	97	98	99	100
Length of alternative route (feet)	24,779	24,977	22,446	21,379	23,733	21,385	21,615	18,960	20,034	17,686
Length of alternative route (miles)	4 7	4 7	4 3	4 0	4 5	4 1	4 1	3 6	3 8	3 3
Length of route parallel to existing electric transmission lines	3,789	0	0	0	0	0	0	0	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	2,616	860	3,047	5,886	5,036	3,921	5,080	9,385	8,535	7,420
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	8,641	6,177	8,364	11,203	12,312	9,238	11,954	9,244	10,353	7,279
Length of route parallel to existing compatible rights-of-way	10,674	6,177	8,364	11,203	12,312	9,238	11,954	10,574	11,683	8,609
Number of habitable structures within 500 feet of the route centerline[1]	9	9	9	9	9	10	10	7	7	8
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	12,349	10,116	9,106	8,310	10,384	9,016	8,667	9,324	10,398	9,030
Length across rangeland pasture	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	4,485	5,828	5,298	4,032	4,032	4,032	4,032	3,074	3,074	3,074
Length of route across riparian areas	2,215	1,411	2,305	1,674	1,674	1,226	1,639	1,149	1,149	701
Length of route across potential wetlands	236	325	205	359	359	359	359	104	104	104
Number of stream crossings by the route	4	7	7	5	5	5	5	3	3	3
Length of route parallel to streams (within 100 feet)	535	0	0	0	0	0	330	0	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	0	0	0	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	2,215	1,411	2,305	1,674	1,674	1,226	1,639	1,149	1,149	701
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	5	5	5	7	5	5	5	5	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	101	102	103	104	105	106	107	108	109	110
Length of alternative route (feet)	17,916	20,434	18,086	18,316	19,663	19,893	19,899	19,875	22,334	19,934
Length of alternative route (miles)	3 4	3 9	3 4	3 5	3 7	3 8	3 8	3 8	4 2	3 8
Length of route parallel to existing electric transmission lines	0	2,228	2,228	2,228	2,676	2,676	2,928	3,845	6,628	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	8,579	7,938	6,823	7,982	860	2,019	1,767	1,777	3,533	1,767
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	9,995	9,756	6,682	9,398	3,153	5,869	5,392	5,357	6,305	6,757
Length of route parallel to existing compatible rights-of-way	11,325	11,086	8,012	10,728	5,829	8,545	8,320	8,285	9,270	6,757
Number of habitable structures within 500 feet of the route centerline[1]	8	8	8	8	8	8	7	7	8	7
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	8,681	10,868	9,500	9,151	11,353	11,004	11,029	10,786	11,860	10,260
Length across rangeland pasture	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,074	3,074	3,074	3,074	3,074	3,074	3,074	3,074	3,074	3,783
Length of route across riparian areas	1,114	1,149	701	1,114	650	1,063	1,063	1,063	1,124	1,063
Length of route across potential wetlands	104	104	104	104	187	187	187	187	187	236
Number of stream crossings by the route	3	3	3	3	2	2	2	2	4	2
Length of route parallel to streams (within 100 feet)	330	0	0	330	0	330	330	330	0	535
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	1	1	1	1	1	1
Length of the route across areas of high archaeological/historical site potential	1,114	1,149	701	1,114	650	1,063	1,063	1,063	1,124	1,063
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	5	3	3	3	3	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho-rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet.

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Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	111	112	113	114	115	116	117	118	119	120
Length of alternative route (feet)	19,910	22,369	22,898	23,951	24,149	21,618	20,551	22,905	20,557	20,787
Length of alternative route (miles)	3 8	4 2	4 3	4 5	4 6	4 1	3 9	4 3	3 9	3 9
Length of route parallel to existing electric transmission lines	917	3,700	3,060	3,789	0	0	0	0	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	1,777	3,533	860	2,616	860	3,047	5,886	5,036	3,921	5,080
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	6,722	7,670	3,039	5,603	3,139	5,326	8,165	9,274	6,200	8,916
Length of route parallel to existing compatible rights-of-way	6,722	7,707	5,109	7,636	3,139	5,326	8,165	9,274	6,200	8,916
Number of habitable structures within 500 feet of the route centerline[1]	7	8	8	7	7	7	7	7	8	8
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	10,017	11,091	11,343	12,349	10,116	9,106	8,310	10,384	9,016	8,667
Length across rangeland pasture	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,783	3,783	3,783	3,783	5,126	4,596	3,330	3,330	3,330	3,330
Length of route across riparian areas	1,063	1,124	1,958	2,215	1,411	2,305	1,674	1,674	1,226	1,639
Length of route across potential wetlands	236	236	236	236	325	205	359	359	359	359
Number of stream crossings by the route	2	4	4	4	7	7	5	5	5	5
Length of route parallel to streams (within 100 feet)	535	205	205	535	0	0	0	0	0	330
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	1	1	1	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,063	1,124	1,958	2,215	1,411	2,305	1,674	1,674	1,226	1,639
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	5	5	5	7	5	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	121	122	123	124	125	126	127	128	129	130
Length of alternative route (feet)	19,042	20,116	17,768	17,998	20,516	18,168	18,398	19,745	19,975	19,981
Length of alternative route (miles)	3 6	3 8	3 4	3 4	3 9	3 4	3 5	3 7	3 8	3 8
Length of route parallel to existing electric transmission lines	0	0	0	0	2,228	2,228	2,228	2,676	2,676	2,928
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	9,385	8,535	7,420	8,579	7,938	6,823	7,982	860	2,019	1,767
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	11,093	12,202	9,128	11,844	11,605	8,531	11,247	5,002	7,718	7,241
Length of route parallel to existing compatible rights-of-way	12,423	13,532	10,458	13,174	12,935	9,861	12,577	7,678	10,394	10,169
Number of habitable structures within 500 feet of the route centerline[1]	4	4	5	5	4	5	5	5	5	4
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	9,324	10,398	9,030	8,681	10,868	9,500	9,151	11,353	11,004	11,029
Length across rangeland pasture	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,636	3,636	3,636	3,636	3,636	3,636	3,636	3,636	3,636	3,636
Length of route across riparian areas	1,149	1,149	701	1,114	1,149	701	1,114	650	1,063	1,063
Length of route across potential wetlands	104	104	104	104	104	104	104	187	187	187
Number of stream crossings by the route	4	4	4	4	4	4	4	3	3	3
Length of route parallel to streams (within 100 feet)	0	0	0	330	0	0	330	0	330	330
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	1	1	1
Length of the route across areas of high archaeological/historical site potential	1,149	1,149	701	1,114	1,149	701	1,114	650	1,063	1,063
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	5	5	3	3	5	3	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	131	132	133	134	135	136	137	138	139	140
Length of alternative route (feet)	19,957	22,416	20,016	19,992	22,451	22,980	24,033	24,231	21,700	20,633
Length of alternative route (miles)	3 8	4 2	3 8	3 8	4 3	4 4	4 6	4 6	4 1	3 9
Length of route parallel to existing electric transmission lines	3,845	6,628	0	917	3,700	3,060	3,789	0	0	0
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	1,777	3,533	1,767	1,777	3,533	860	2,616	860	3,047	5,886
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	7,206	8,154	8,606	8,571	9,519	4,888	7,452	4,988	7,175	10,014
Length of route parallel to existing compatible rights-of-way	10,134	11,119	8,606	8,571	9,556	6,958	9,485	4,988	7,175	10,014
Number of habitable structures within 500 feet of the route centerline[1]	4	5	4	4	5	5	4	4	4	4
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	10,786	11,860	10,260	10,017	11,091	11,343	12,349	10,116	9,106	8,310
Length across rangeland pasture	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324	2,324
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,636	3,636	4,345	4,345	4,345	4,345	4,345	5,688	5,158	3,892
Length of route across riparian areas	1,063	1,124	1,063	1,063	1,124	1,958	2,215	1,411	2,305	1,674
Length of route across potential wetlands	187	187	236	236	236	236	236	325	205	359
Number of stream crossings by the route	3	5	3	3	5	5	5	8	8	6
Length of route parallel to streams (within 100 feet)	330	0	535	535	205	205	535	0	0	0
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	1	1	1	1	1	1	1	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,063	1,124	1,063	1,063	1,124	1,958	2,215	1,411	2,305	1,674
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	3	3	3	3	3	5	5	5
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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Table 7-2. Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	141	142	143	144	145	146	147	148	149	150
Length of alternative route (feet)	22,987	20,639	20,869	21,118	21,094	24,096	24,082	25,135	25,065	26,118
Length of alternative route (miles)	4 4	3 9	4 0	4 0	4 0	4 6	4 6	4 8	4 7	4 9
Length of route parallel to existing electric transmission lines	0	0	0	0	917	3,700	3,060	3,789	7,108	7,837
Length of route parallel to railroads	0	0	0	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	5,036	3,921	5,080	907	917	2,673	0	1,756	0	1,756
Length of route parallel to pipelines	0	0	0	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	11,123	8,049	10,765	8,658	8,623	9,812	4,940	7,504	5,002	7,566
Length of route parallel to existing compatible rights-of-way	11,123	8,049	10,765	8,658	8,623	9,849	7,010	9,537	11,120	13,647
Number of habitable structures within 500 feet of the route centerline[1]	4	5	5	1	1	2	2	1	2	1
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	10,384	9,016	8,667	11,069	10,826	12,124	12,152	13,158	15,304	16,310
Length across rangeland pasture	2,324	2,324	2,324	1,428	1,428	1,428	1,428	1,428	1,428	1,428
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0	0	0	0
Length of route across upland woodlands	3,892	3,892	3,892	1,345	1,345	1,345	1,345	1,345	681	681
Length of route across riparian areas	1,674	1,226	1,639	4,245	4,245	4,306	5,140	5,397	3,635	3,892
Length of route across potential wetlands	359	359	359	0	0	0	0	0	832	832
Number of stream crossings by the route	6	6	6	7	7	9	9	9	5	5
Length of route parallel to streams (within 100 feet)	0	0	330	330	330	0	0	330	0	330
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right-of-way	0	0	0	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	1,674	1,226	1,639	4,245	4,245	4,306	5,140	5,397	3,635	3,892
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	7	5	5	3	3	4	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0	0	0	0
Estimated length of right-of-way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0	0	0	0

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Table 7-2 Environmental Data for Alternative Route Evaluation
Old Country Switch 345 kV Tap Transmission Line Project

Alternative Route Number	151	152	153	154	155	156	157
Length of alternative route (feet)	22,242	22,218	25,220	25,206	26,259	26,189	27,242
Length of alternative route (miles)	4 2	4 2	4 8	4 8	5 0	5 0	5 2
Length of route parallel to existing electric transmission lines	0	917	3,700	3,060	3,789	7,108	7,837
Length of route parallel to railroads	0	0	0	0	0	0	0
Length of route parallel to existing public roads/highways	907	917	2,673	0	1,756	0	1,756
Length of route parallel to pipelines	0	0	0	0	0	0	0
Length of route parallel to apparent property boundaries	8,658	8,623	9,812	4,940	7,504	5,002	7,566
Length of route parallel to existing compatible rights-of-way	8,658	8,623	9,849	7,010	9,537	11,120	13,647
Number of habitable structures within 500 feet of the route centerline[1]	2	2	3	3	2	3	2
Number of parks or recreational areas within 1,000 feet of the route centerline	0	0	0	0	0	0	0
Length of the route across parks/recreational areas[2]	0	0	0	0	0	0	0
Length of route through commercial/industrial areas	0	0	0	0	0	0	0
Length of the route across cropland/hay meadow	11,642	11,399	12,697	12,725	13,731	15,877	16,883
Length across rangeland pasture	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Length of route across agricultural cropland with mobile irrigation systems	0	0	0	0	0	0	0
Length of route across upland woodlands	1,345	1,345	1,345	1,345	1,345	681	681
Length of route across riparian areas	4,359	4,359	4,420	5,254	5,511	3,749	4,006
Length of route across potential wetlands	0	0	0	0	0	832	832
Number of stream crossings by the route	7	7	9	9	9	5	5
Length of route parallel to streams (within 100 feet)	475	475	145	145	475	145	475
Length across lakes or ponds (open waters)	0	0	0	0	0	0	0
Number of known rare/unique plant locations within the right of-way	0	0	0	0	0	0	0
Length of route through known habitat of endangered or threatened species	0	0	0	0	0	0	0
Number of recorded cultural resource sites crossed by the route	0	0	0	0	0	0	0
Number of recorded cultural resources within 1,000 feet of the route centerline	0	0	0	0	0	0	0
Length of the route across areas of high archaeological/historical site potential	4,359	4,359	4,420	5,254	5,511	3,749	4,006
Number of private airstrips within 10,000 feet of the route centerline	0	0	0	0	0	0	0
Number of FAA registered airports with at least one runway more than 3,200 feet in length within 20,000 feet of route centerline	0	0	0	0	0	0	0
Number of FAA registered airports with no runway greater than 3,200 feet in length within 10,000 feet of route centerline	0	0	0	0	0	0	0
Number of heliports located within 5,000 ft of the route centerline	0	0	0	0	0	0	0
Number of commercial AM radio transmitters located within 10,000 feet of the route centerline	0	0	0	0	0	0	0
Number of FM, microwave, and other electronic installations within 2,000 feet of the route centerline	0	0	0	0	0	0	0
Number of U S or State Highway crossings by the route	0	0	0	0	0	0	0
Number of farm to market (FM), county roads, or other street crossings by the route	3	3	4	3	3	3	3
Estimated length of right-of-way within foreground visual zone of U S and State Highways	0	0	0	0	0	0	0
Estimated length of right-of way within foreground visual zone of park/recreational areas[2]	0	0	0	0	0	0	0

Note: All length measurements are provided in feet unless otherwise stated. All linear measurements were obtained from Digital Globe ortho imagery flown in 2020. The aerial photography was ortho rectified to National Map Accuracy Standards of +/- 6 meters or approximately +/- 20 feet.

[1] Structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis. Habitable structures include but are not limited to a single family and multi family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, and schools. The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route has a horizontal accuracy of +/- 20 feet. To account for this level of accuracy, ENI identified all habitable structures within a measured distance of 570 feet of each alternative route centerline.

[2] Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church.

APPENDIX E
HABITABLE STRUCTURES WITHIN 500 FEET* OF ALTERNATIVE ROUTE LINKS

* The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route link has a horizontal accuracy of +/- 20 feet. To account for this level of accuracy, FNI identified all habitable structures within a measured distance of 520 feet of each alternative route link centerline.

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Table 7-3. Habitable Structures within 500 feet* of Alternative Route Links

Habitable Structure	Distance (feet)	Description	Direction[1]	Link
1	94	SFR[2]	SE	A
2	199	SFR	SW	B
3	434	SFR	NE	V
4	309	SFR	SE	X
5	294	SFR	SE	X
6	447	SFR	SE	X
7	479	SFR	SE	X
8	345	SFR	SE	X
9	195	SFR	SW	V
10	218	SFR	SW	W2
11	275	SFR	SW	W2
12	505	SFR	SW	F
13	275	SFR	NW	JJ
14	279	SFR	NE	RR

Notes:

[1] Direction represents the distance beginning from the habitable structure towards the provided alternative route link.

[2] Denotes single family residence with a permanent foundation.

* The aerial photography used to determine the distance of habitable structures within 500 feet of the centerline of each alternative route link has a horizontal accuracy of +/- 20 feet. To account for this level of accuracy, FNI identified all habitable structures within a measured distance of 520 feet of each alternative route link centerline.

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APPENDIX F
ENVIRONMENTAL AND LAND USE CONSTRAINTS MAP

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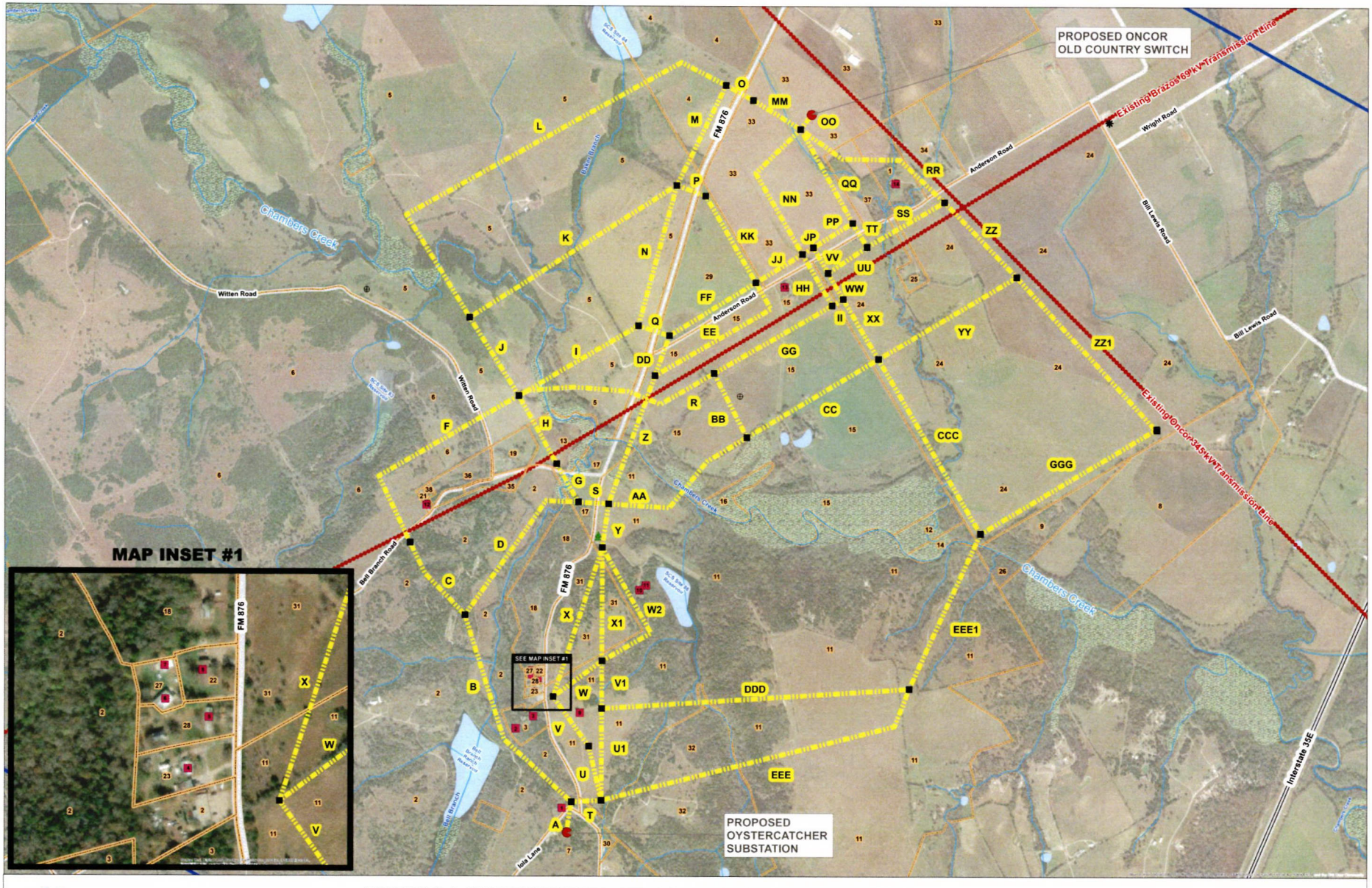

FIGURE 3-1. ENVIRONMENTAL AND LAND USE CONSTRAINTS MAP
OLD COUNTRY SWITCH 345 kV TAP TRANSMISSION LINE PROJECT

0 500 1,000 2,000 3,000 4,000 Feet

Notes
1. Some legend symbols are enlarged for easier identification
2. Aerial photography is from the most recent USDA NAIP imagery (USDA, 2020b)
3. Sensitive cultural resource data are not shown on this map as these data are not to be reproduced, distributed, or released to the public
4. Data are for display purposes only. All features and boundaries have been approximated based on information gathered from review of public resources and field reconnaissance
5. This map contains county appraisal data. Property lines shown are approximate and are not verified by field survey
6. Legend items indicated by an asterisk (*) represent features that were researched, verified, and recorded but are otherwise beyond the map extents or study area

N W E S

Legend

- Habitable Structures
- Electronic Installation*
- Water Well*
- Historical Marker*
- Cemetery
- Airport/Airstrips*
- Helicopter Pad*
- Traveling Irrigation*
- Project Endpoints
- Proposed Alternative Route Links
- Existing Transmission Line
- Major Roads
- Minor Roads
- Rivers and Streams
- Waterbody/Open Water
- Tract Boundary and Number
- Potential wetland areas (USFWS, 2020)
- City Limits*
- Study Area

Extent Map

Vicinity Map

ELLIS COUNTY

Old Country Switch 345 kV Tap Transmission Line Project
Attachment No. 2 - Estimated Costs

	Route 2	Route 3	Route 5	Route 7	Route 13	Route 14	Route 17	Route 18	Route 19
Right-of-way and Land Acquisition	$2,321,000	$2,210,000	$2,211,000	$2,367,000	$1,970,000	$1,994,000	$2,012,000	$2,035,000	$2,176,000
Engineering and Design (Utility)	$202,000	$193,000	$193,000	$206,000	$172,000	$173,000	$175,000	$176,000	$190,000
Engineering and Design (Contract)	$1,499,000	$1,494,000	$1,495,000	$1,503,000	$1,481,000	$1,482,000	$1,483,000	$1,484,000	$1,493,000
Procurement of Material and Equipment (including stores)	$2,284,000	$2,211,000	$2,335,000	$2,473,000	$2,097,000	$2,137,000	$2,113,000	$2,153,000	$2,414,000
Construction of Facilities (Utility)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Construction of Facilities (Contract)	$6,020,000	$5,786,000	$6,091,000	$6,448,000	$5,333,000	$5,420,000	$5,402,000	$5,489,000	$6,162,000
Other (all costs not included in the above categories)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Estimated Total Transmission Line Cost	$12,326,000	$11,894,000	$12,325,000	$12,997,000	$11,053,000	$11,206,000	$11,185,000	$11,337,000	$12,435,000
Estimated Oncor Substation Facilities Cost	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000
Estimated Total Project Cost	$20,151,000	$19,719,000	$20,150,000	$20,822,000	$18,878,000	$19,031,000	$19,010,000	$19,162,000	$20,260,000

ATTACHMENT NO. 2

Old Country Switch 345 kV Tap Transmission Line Project
Attachment No. 2 - Estimated Costs

	Route 21	Route 22	Route 24	Route 25	Route 31	Route 54	Route 55	Route 57	Route 58
Right-of-way and Land Acquisition	$2,200,000	$2,198,000	$2,204,000	$2,202,000	$1,808,000	$1,765,000	$1,789,000	$1,807,000	$1,831,000
Engineering and Design (Utility)	$190,000	$190,000	$190,000	$190,000	$158,000	$153,000	$154,000	$156,000	$157,000
Engineering and Design (Contract)	$1,493,000	$1,493,000	$1,494,000	$1,494,000	$1,472,000	$1,470,000	$1,471,000	$1,472,000	$1,473,000
Procurement of Material and Equipment (including stores)	$2,391,000	$2,483,000	$2,301,000	$2,393,000	$2,002,000	$1,842,000	$1,882,000	$1,858,000	$1,898,000
Construction of Facilities (Utility)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Construction of Facilities (Contract)	$6,097,000	$6,292,000	$5,904,000	$6,099,000	$5,587,000	$5,162,000	$5,249,000	$5,231,000	$5,318,000
Other (all costs not included in the above categories)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Estimated Total Transmission Line Cost	$12,371,000	$12,656,000	$12,093,000	$12,378,000	$11,027,000	$10,392,000	$10,545,000	$10,524,000	$10,677,000
Estimated Oncor Substation Facilities Cost	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000
Estimated Total Project Cost	$20,196,000	$20,481,000	$19,918,000	$20,203,000	$18,852,000	$18,217,000	$18,370,000	$18,349,000	$18,502,000

Old Country Switch 345 kV Tap Transmission Line Project
Attachment No. 2 - Estimated Costs

	Route 59	Route 60	Route 61	Route 62	Route 64	Route 65	Route 69	Route 70	Route 71
Right-of-way and Land Acquisition	$1,971,000	$1,995,000	$1,996,000	$1,993,000	$1,999,000	$1,997,000	$2,438,000	$2,175,000	$2,064,000
Engineering and Design (Utility)	$171,000	$172,000	$171,000	$171,000	$171,000	$171,000	$211,000	$188,000	$179,000
Engineering and Design (Contract)	$1,482,000	$1,483,000	$1,482,000	$1,482,000	$1,483,000	$1,483,000	$1,506,000	$1,491,000	$1,486,000
Procurement of Material and Equipment (including stores)	$2,159,000	$2,199,000	$2,136,000	$2,228,000	$2,046,000	$2,138,000	$2,416,000	$2,312,000	$2,239,000
Construction of Facilities (Utility)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Construction of Facilities (Contract)	$5,991,000	$6,078,000	$5,926,000	$6,121,000	$5,733,000	$5,928,000	$6,775,000	$6,390,000	$6,156,000
Other (all costs not included in the above categories)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Estimated Total Transmission Line Cost	$11,774,000	$11,927,000	$11,711,000	$11,995,000	$11,432,000	$11,717,000	$13,346,000	$12,556,000	$12,124,000
Estimated Oncor Substation Facilities Cost	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000
Estimated Total Project Cost	$19,599,000	$19,752,000	$19,536,000	$19,820,000	$19,257,000	$19,542,000	$21,171,000	$20,381,000	$19,949,000

Old Country Switch 345 kV Tap Transmission Line Project
Attachment No. 2 - Estimated Costs

	Route 72	Route 73	Route 74	Route 100	Route 130	Route 131	Route 133	Route 134	Route 139
Right-of-way and Land Acquisition	$2,309,000	$2,064,000	$2,088,000	$1,843,000	$2,082,000	$2,079,000	$2,085,000	$2,083,000	$2,261,000
Engineering and Design (Utility)	$200,000	$179,000	$180,000	$161,000	$179,000	$179,000	$179,000	$179,000	$196,000
Engineering and Design (Contract)	$1,499,000	$1,487,000	$1,488,000	$1,475,000	$1,486,000	$1,486,000	$1,487,000	$1,487,000	$1,495,000
Procurement of Material and Equipment (including stores)	$2,612,000	$2,363,000	$2,403,000	$2,109,000	$2,388,000	$2,480,000	$2,298,000	$2,390,000	$2,564,000
Construction of Facilities (Utility)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Construction of Facilities (Contract)	$7,075,000	$6,461,000	$6,548,000	$5,844,000	$6,351,000	$6,546,000	$6,158,000	$6,353,000	$6,815,000
Other (all costs not included in the above categories)	$0	$0	$0	$0	$0	$0	$0	$0	$0
Estimated Total Transmission Line Cost	$13,695,000	$12,554,000	$12,707,000	$11,432,000	$12,486,000	$12,770,000	$12,207,000	$12,492,000	$13,331,000
Estimated Oncor Substation Facilities Cost	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000
Estimated Total Project Cost	$21,520,000	$20,379,000	$20,532,000	$19,257,000	$20,311,000	$20,595,000	$20,032,000	$20,317,000	$21,156,000

Old Country Switch 345 kV Tap Transmission Line Project
Attachment No. 2 - Estimated Costs

	Route 140	Route 144	Route 145	Route 147	Route 149	Route 150	Route 151
Right-of-way and Land Acquisition	$2,150,000	$2,200,000	$2,198,000	$2,509,000	$2,611,000	$2,721,000	$2,317,000
Engineering and Design (Utility)	$187,000	$189,000	$189,000	$216,000	$225,000	$235,000	$199,000
Engineering and Design (Contract)	$1,490,000	$1,493,000	$1,493,000	$1,511,000	$1,517,000	$1,523,000	$1,499,000
Procurement of Material and Equipment (including stores)	$2,491,000	$2,074,000	$2,166,000	$2,413,000	$2,360,000	$2,402,000	$2,244,000
Construction of Facilities (Utility)	$0	$0	$0	$0	$0	$0	$0
Construction of Facilities (Contract)	$6,581,000	$5,751,000	$5,946,000	$6,774,000	$6,687,000	$6,813,000	$6,194,000
Other (all costs not included in the above categories)	$0	$0	$0	$0	$0	$0	$0
Estimated Total Transmission Line Cost	$12,899,000	$11,707,000	$11,992,000	$13,423,000	$13,400,000	$13,694,000	$12,453,000
Estimated Oncor Substation Facilities Cost	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000	$7,825,000
Estimated Total Project Cost	$20,724,000	$19,532,000	$19,817,000	$21,248,000	$21,225,000	$21,519,000	$20,278,000

ERCOT STANDARD GENERATION INTERCONNECTION AGREEMENT

Oystercatcher Solar, LLC (Oystercatcher Solar)

GINR 21INR0362

ATTACHMENT NO. 3

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ERCOT STANDARD GENERATION INTERCONNECTION AGREEMENT

This Standard Generation Interconnection Agreement is made and entered into this 20th day of August, 2021, between **Oncor Electric Delivery Company LLC**, a Delaware limited liability company ("Transmission Service Provider" or "TSP") and **Oystercatcher Solar, LLC** a Texas limited liability company ("Generator"), hereinafter individually referred to as "Party," and collectively referred to as "Parties". In consideration of the mutual covenants and agreements herein contained, the Parties hereto agree as follows:

Transmission Service Provider represents that it is a public utility that owns and operates facilities for the transmission and distribution of electricity. Generator represents that it will own and operate the Plant. Pursuant to the terms and conditions of this Agreement, Transmission Service Provider shall interconnect Generator's Plant with Transmission Service Provider's System consistent with the Facilities Study Agreement executed between the Parties on March 5, 2020.

This Agreement applies only to the Plant and the Parties' interconnection facilities as identified in Exhibit "C".

This Agreement shall become effective upon execution, subject to Governmental Authority approval, if required, and shall continue in full force and effect until terminated in accordance with Exhibit "A".

This Agreement will be subject to the following, all of which are incorporated herein:

A. The "Terms and Conditions of the ERCOT Standard Generation Interconnection Agreement" attached hereto as Exhibit "A";

B. The ERCOT Requirements (unless expressly stated herein, where the ERCOT Requirements are in conflict with this Agreement, the ERCOT Requirements shall prevail);

C. The PUCT Rules (where the PUCT Rules are in conflict with this Agreement, the PUCT Rules shall prevail);

D. The Time Schedule attached hereto as Exhibit "B";

E. The Interconnection Details attached hereto as Exhibit "C";

F. The notice requirements attached hereto as Exhibit "D"; and

G. The Security Arrangement Details attached hereto as Exhibit "E"

IN WITNESS WHEREOF, the Parties have executed this Agreement in duplicate originals, each of which shall constitute and be an original effective Agreement between the Parties.

ONCOR ELECTRIC DELIVERY COMPANY LLC

By: DocuSigned by: D86522A7E0764AE

Name: Jim Greer

Title: Chief Operating Officer
Date: 8/20/2021 | 6:17:02 PM PDT

OYSTERCATCHER SOLAR, LLC

By: DocuSigned by: Jenna Haverhals 9E1E7DD1AFA047C

Name: Jenna Haverhals

Title: Co-Manager
Date: 8/20/2021 | 6:17:02 PM PDT

Exhibit "A"

Terms and Conditions of the ERCOT Standard Generation Interconnection Agreement

ARTICLE 1. DEFINITIONS

Capitalized terms shall have the meanings as set forth below, except as otherwise specified in the Agreement:

1.1 "CCN" shall mean a Certificate of Convenience and Necessity issued by the PUCT.

1.2 "Commercial Operation" shall mean the date on which Generator declares that the construction of the Plant has been substantially completed, Trial Operation of the Plant has been completed, and the Plant is ready for dispatch.

1.3 "Control Area" shall have the meaning ascribed thereto in PUCT Rule 25.5(19) or its successor.

1.4 "ERCOT" shall mean the Electric Reliability Council of Texas, Inc.

1.5 "ERCOT Requirements" means the ERCOT Operating Guides, ERCOT Generation Interconnection Procedures as well as any other documents adopted by ERCOT relating to the interconnection and operation of generators and transmission systems in ERCOT as amended from time to time, and any successors thereto. Any requirement in the foregoing documents imposed upon generation entities or generation facilities shall become the responsibility of the Generator, and any requirements imposed on transmission providers or transmission facilities shall become the responsibility of the TSP.

1.6 "Facilities Study" shall have the meaning as described in PUCT Rule 25.198(d) or its successor.

1.7 "Facilities Study Agreement" shall mean an agreement executed by the Parties relating to the performance of the Facilities Study.

1.8 "GIF" shall mean Generator's interconnection facilities as described in Exhibit "C".

1.9 "Good Utility Practice" shall have the meaning described in PUCT Rule 25.5(56) or its successor.

1.10 "Governmental Authority(ies)" shall mean any federal, state, local or municipal body having jurisdiction over a Party.

1.11 "In-Service Date" shall be the date, as reflected in Exhibit "B", that the TIF will be ready to connect to the GIF.

1.12 "Plant" shall mean the electric generation facility owned and operated by the Generator, as specified in Exhibit "C".

1.13 "Point of Interconnection" shall mean the location(s) where the GIF connects to the TIF as negotiated and defined by the Parties and as shown on Exhibit "C" of this Agreement.

1.14 "PUCT" shall mean the Public Utility Commission of Texas.

1.15 "PUCT Rules" shall mean the Substantive Rules of the PUCT.

1.16 "Reasonable Efforts" shall mean the use of Good Utility Practice and the exercise of due diligence (pursuant to PUCT Rule 25.191(d)(3)).

1.17 "System Protection Equipment" shall mean those facilities located within the TIF and the GIF as described in Section 5.6 and Exhibit "C".

1.18 "System Security Study" shall have the meaning as described in PUCT Rule 25.198(c) or its successor.

1.19 "TCOS" shall mean the TSP's transmission cost of service as allowed by the applicable Governmental Authority.

1.20 "TIF" shall mean the TSP's interconnection facilities as described in Exhibit "C" to this Agreement.

1.21 "Trial Operation" shall mean the process by which the Generator is engaged in on-site test operations and commissioning of the Plant prior to Commercial Operation.

1.22 "TSP" shall mean the Transmission Service Provider.

1.23 "TSP System" shall mean the electric transmission facilities, including the TIF, and all associated equipment and facilities owned and/or operated by the TSP.

ARTICLE 2. TERMINATION

2.1 Termination Procedures. This Agreement may be terminated as follows:

A. the Generator may terminate this Agreement after giving the TSP thirty (30) days advance written notice; or

B. the TSP may terminate this Agreement (subject to Governmental Authority approval, if required) on written notice to the Generator if the Generator's Plant has not achieved Commercial Operation within one year after the scheduled Commercial Operation date reflected in Exhibit "B"; or

C. either Party may terminate this Agreement in accordance with Section 10.6.

2.2 Termination Costs. If a Party elects to terminate the Agreement pursuant to Section 2.1 above, the Generator shall pay all costs incurred (or committed to be incurred) by TSP, as of the date of the other Party's receipt of such notice of termination, that are the responsibility of the Generator under this Agreement. In the event of termination by either Party, both Parties shall use commercially reasonable efforts to mitigate the damages and charges that they may incur as a consequence of termination. The provisions of the Sections 2.2 and 2.3 shall survive termination of the Agreement.

2.3 Disconnection. Upon termination of this Agreement, the Parties will disconnect the GIF from the TIF.

ARTICLE 3. REGULATORY FILINGS

3.1 Filing. The TSP shall file this executed Agreement with the appropriate Governmental Authority, if required. Any portions of this Agreement asserted by Generator to contain competitively sensitive commercial or financial information shall be filed by the TSP identified as "confidential" under seal stating, for the TSP's showing of good cause that Generator asserts such information is confidential information and has requested such filing under seal. If requested by the TSP, Generator shall provide the TSP, in writing, with the Generator's basis for asserting that the information referred to in this Section 3.1 is competitively sensitive information, and the TSP may disclose such writing to the appropriate Governmental Authority.

3.2 Regulatory Approvals. Unless exempt, the TSP shall timely request ERCOT and all regulatory approvals necessary for it to carry out its responsibilities under this Agreement. Such approvals shall include any CCN required for the construction of the TIF.

ARTICLE 4. INTERCONNECTION FACILITIES ENGINEERING, PROCUREMENT, AND CONSTRUCTION

4.1 Options. The Generator shall select one of the following options (subsection A or subsection B) and include the selected option in Exhibit "B" for completion of the TIF:

A. The TSP shall design, procure, and construct the TIF, using Reasonable Efforts to complete the TIF by the In-Service Date reflected in Exhibit "B". The TSP will utilize its own resources and will contract for additional resources, as reasonably necessary, to meet the In-Service Date. Such resources shall include, as the TSP believes is reasonable, use of other contractors, other equipment suppliers, other material suppliers, additional contract personnel,

additional payments to contractors for expedited work, and premiums paid to equipment and material suppliers for expedited delivery. The TSP shall not be required to undertake any initiative which is inconsistent with its standard safety practices, its material and equipment specifications, its design criteria and construction procedures, its labor agreements, applicable laws and regulations, and ERCOT Requirements. In the event the TSP reasonably expects that it will not be able to complete the TIF by the In-Service Date, the TSP will promptly provide written notice to the Generator and will undertake Reasonable Efforts to meet the earliest date thereafter.

B. (i) The TSP shall design, procure, and construct the TIF by the In-Service Date reflected in Exhibit "B". The Parties acknowledge that the In-Service Date was either agreed upon through good faith negotiations or designated by the Generator upon failure of the Parties to agree. In the process of negotiating the In-Service Date, Generator will request a date upon which it reasonably expects it will be ready to begin use of the TIF and upon which it reasonably expects to begin doing so. Any date designated by the Generator shall in no event be less than fifteen months from the date that all conditions of Sections 4.2 and 4.3 have been satisfied. The designated In-Service Date will be extended day for day for each day that the ERCOT refuses to grant clearances to install equipment. If the TSP fails to complete the TIF by the In-Service Date reflected in Exhibit "B", the TSP shall pay the Generator liquidated damages in accordance with this Section 4.1.B.

(ii) The Parties agree that actual damages to the Generator, in the event the TIF are not completed by the In-Service Date, may include Generator's fixed operation and maintenance costs and lost opportunity costs. Such actual damages are uncertain and impossible to determine at this time. The Parties agree that, because of such uncertainty, any liquidated damages paid by the TSP to the Generator shall be an amount equal to ½ of 1% of the actual cost of the TIF, per day. However, in no event shall the total liquidated damages exceed 20% of the actual cost of the TIF. The Parties agree that such liquidated damages are less than the Generator's actual damages. The Parties agree that the foregoing payments will be made by the TSP to the Generator as just compensation for the damages caused to the Generator, which actual damages are uncertain and impossible to determine at this time, and as reasonable liquidated damages, but not as a penalty or a method to secure performance of this Agreement.

(iii) The TSP shall apply to have the full costs of the TIF included in TCOS. If the PUCT issues a final, appealable order excluding from TCOS any portion of the TIF costs, including higher contractor and vendor costs due to liquidated damage provisions in those

contracts and insurance costs to cover liquidated damages, which costs may have been reasonably incurred but which the PUCT finds should not be recovered through TCOS, the Generator shall reimburse the TSP for such costs in an amount not to exceed the difference between the TSP's estimate of the cost of the TIF under section 4.1.A and the TSP's estimate of the cost of the TIF under Section 4.1.B as reflected in Exhibit "C". Such costs shall be estimated using Good Utility Practice.

(iv) No liquidated damages shall be paid to Generator if the Generator is not ready to commence use of the TIF for the delivery of power to the Plant for Trial Operation or export of power from the Plant on the In-Service Date, unless the Generator would have been able to commence use of the TIF for the delivery of power to the Plant for Trial Operation or export of power from the Plant but for TSP's delay.

(v) If the In-Service Date has been designated by the Generator upon a failure of the Parties to agree on the In-Service Date, the TSP may, at its option, require the Generator to subcontract with the TSP for all or part of the design, procurement and construction of the TIF in accordance with the TSP's standard subcontractor agreements. In such event, the TSP shall be subject to the payment of liquidated damages to the Generator only if the In-Service Date is not met solely due to the TSP's failure to complete the portion of the TIF for which the TSP has retained responsibility. It is the intent of this subsection to give the TSP full control of the contents and quality of the TIF. To the extent the Generator acts as a subcontractor to the TSP, the following will apply: 1) The Generator shall engineer, procure equipment, and construct the TIF (or portions thereof) using Good Utility Practice and using standards and specifications provided in advance by the TSP; 2) In its engineering, procurement and construction of the TIF, the Generator shall comply with all requirements of law to which the TSP would be subject in the engineering, procurement or construction of the TIF; 3) The TSP shall review and approve the engineering design, acceptance tests of equipment, and the construction of the TIF; 4) The TSP shall have the right to approve and accept for operation the TIF in accordance with the standards and specifications provided in advance by the TSP, such approval and acceptance shall not be unreasonably withheld, conditioned, or delayed; 5) Should any phase of the engineering, equipment procurement, or construction of the TIF, including selection of subcontractors, not meet the standards and specifications provided by the TSP, and therefore be deemed unacceptable, then the Generator shall be obligated to remedy that portion of the TIF or selection of subcontractors that is deemed unacceptable, the TSP's approval of the Generator's selection of subcontractors

will not be unreasonably withheld, conditioned or delayed; and 6) Once the TIF is accepted for operation by the TSP, then the TSP shall reimburse the Generator for the reasonable and necessary costs incurred by the Generator to complete the TIF, not to exceed the amount specified in the subcontract. Such reimbursement shall be made within thirty days after receipt of the invoice, unless otherwise agreed to by the Parties.

4.2 Equipment Procurement. If responsibility for construction of the TIF is borne by the TSP, then the TSP shall commence design of the TIF and procure necessary equipment within a reasonable time after all of the following conditions are satisfied:

A. The TSP has completed the Facilities Study pursuant to the Facilities Study Agreement;

B. The TSP has received written authorization to proceed with design and procurement from the Generator by the date specified in Exhibit "B"; and

C. The Generator has provided security to the TSP in accordance with Section 8.3 by the dates specified in Exhibit "B".

4.3 Construction Commencement. The TSP shall commence construction of the TIF as soon as practicable after the following additional conditions are satisfied:

A. Approval of the appropriate Governmental Authority has been obtained for any facilities requiring regulatory approval;

B. Necessary real property rights, if any, have been obtained;

C. The TSP has received written authorization to proceed with construction from the Generator by the date specified in Exhibit "B"; and

D. The Generator has provided security to the TSP in accordance with Section 8.3 by the dates specified in Exhibit "B".

4.4 Work Progress. The Parties will keep each other advised periodically as to the progress of their respective design, procurement and construction efforts. If, at any time, the Generator becomes aware that the completion of the TIF will not be required until after the specified In-Service Date, the Generator will promptly provide written notice to the TSP of a new, later In-Service Date.

4.5 Conditions Precedent Delay. To the extent this Agreement incorporates a specified In-Service Date and the Generator fails to satisfy conditions precedent under Sections 4.2 and 4.3 so

that the TSP may meet the In-Service Date, the Parties will negotiate in good faith to establish a new schedule for completion of the TIF.

ARTICLE 5. FACILITIES AND EQUIPMENT

5.1 Information Exchange. The Parties shall exchange information and mutually agree upon the design and compatibility of the Parties' interconnection facilities. The Parties shall work diligently and in good faith to make any necessary design changes to ensure compatibility of the GIF to the TSP System.

5.2 GIF Construction. Generator agrees to cause the GIF to be designed and constructed in accordance with Good Utility Practice, ERCOT Requirements and the National Electrical Safety Code in effect at the time of construction. Within one-hundred and twenty (120) days after Commercial Operation, unless the Parties agree on another mutually acceptable deadline, the Generator shall deliver to the TSP the following "as-built" drawings, information and documents for the GIF: a one-line diagram, a site plan showing the Plant and the GIF, plan and elevation drawings showing the layout of the GIF, a relay functional diagram, relaying AC and DC schematic wiring diagrams and relay settings for all facilities associated with the Generator's main-power transformers, the facilities connecting the Generator to the main power transformers and the GIF, and the impedances (determined by factory tests) for the associated main power transformers and the generators.

5.3 TIF Construction. The TSP agrees to cause the TIF to be designed and constructed in accordance with Good Utility Practice, ERCOT Requirements and the National Electrical Safety Code in effect at the time of construction.

5.4 Equipment Changes. For facilities not described in Exhibit "C", if either Party makes equipment changes to the Plant, the GIF, the TIF or the TSP System which it knows will affect the operation or performance of the other Party's interconnection facilities, the Parties agree to notify the other Party, in writing, of such changes. Such changes shall be made in accordance with ERCOT Requirements and coordinated between the Parties.

5.5 Metering, Telemetry and Communications Requirements.

A. Metering and telemetry of data will be accomplished in accordance with ERCOT Requirements. The specific metering, telemetry and communications equipment to be installed and data to be telemetered are described in Exhibit "C".

B. At the Point of Interconnection, the metering and telemetry equipment shall be owned by the TSP. However, the TSP shall provide the Generator with metering and telemetry values in accordance with ERCOT Requirements.

C. A minimum set of inputs to the telemetry equipment are specified in Exhibit "C". Additional sets of inputs may be subsequently mutually agreed upon.

D. The TSP will notify the Generator at least five (5) working days in advance of any planned maintenance, inspection, testing, or calibration of the metering equipment, unless otherwise agreed to in writing. The Generator, or its designated representative, shall have the right to be present for these activities and to receive copies of any documents related to the procedures and results.

E. Prior to the connection of the GIF to the TIF, acceptance tests will be performed by the owning Party to ensure the proper functioning of all metering, telemetry and communications equipment associated with the Point of Interconnection and both Parties' interconnection facilities, and to verify the accuracy of data being received by the TSP, the Control Area(s) in which the Plant and the TSP are located and the Generator. All acceptance tests will be performed consistent with ERCOT Requirements.

F. The TSP shall, in accordance with Good Utility Practice and ERCOT Requirements, specify communications facilities, including those necessary to transmit data from the metering equipment to the TSP, that are necessary for the effective operation of the Plant and the GIF with the TSP System. Such communication facilities shall be included in Exhibit "C". The Generator shall make arrangements to procure and bear the cost of such facilities.

G. Any changes to the meters, telemetry equipment, voltage transformers, current transformers, and associated panels, hardware, conduit and cable, which will affect the data being received by the other Party must be mutually agreed to by the Parties.

H. Each Party will promptly advise the other Party if it detects or otherwise learns of any metering, telemetry or communications equipment errors or malfunctions that require the attention and/or correction by the other Party. The Party owning such equipment shall correct such error or malfunction as soon as reasonably feasible in accordance with ERCOT Requirements.

5.6 System Protection and Other Controls Requirements.

A. Each Party's facilities shall be designed to isolate any fault, or to correct or isolate any abnormality, that would negatively affect the other Party's system or other entities connected to the TSP System.

B. The Generator shall be responsible for protection of its facilities consistent with ERCOT Requirements.

C. Each Party's protective relay design shall incorporate the necessary test switches to perform the tests required in Section 5.6.F. The required test switches will be placed such that they allow operation of lockout relays while preventing breaker failure schemes from operating and causing unnecessary breaker operations and tripping the Generator's units.

D. Recording equipment shall be installed to analyze all system disturbances in accordance with ERCOT Requirements.

E. Each Party will test, operate and maintain System Protection Equipment in accordance with ERCOT Requirements. Each Party will provide reasonable notice to the other Party of any testing of its System Protection Equipment allowing such other Party the opportunity to have representatives present during testing of its System Protection Equipment.

F. Prior to the In-Service Date, and again prior to Commercial Operation, each Party or its agent shall perform a complete calibration test and functional trip test of the System Protection Equipment. At intervals suggested by Good Utility Practice or at intervals described in the ERCOT Requirements if so defined therein, and following any apparent malfunction of the System Protection Equipment, each Party shall perform both calibration and functional trip tests of its System Protection Equipment. These tests do not require the tripping of any in-service generation unit. These tests do, however, require that all protective relays and lockout contacts be activated.

5.7 No Annexation. Any and all equipment placed on the premises of a Party shall be and remain the property of the Party providing such equipment regardless of the mode and manner of annexation or attachment to real property, unless otherwise mutually agreed by the Parties.

ARTICLE 6. OPERATION AND MAINTENANCE

6.1 Operation and Maintenance of Interconnection Facilities. The Parties agree to operate and maintain their systems in accordance with Good Utility Practice, National Electrical Safety Code, the ERCOT Requirements, PUCT Rules and all applicable laws and regulations. Subject to any necessary ERCOT approval, each Party shall provide necessary equipment outages to allow the other Party to perform periodic maintenance, repair or replacement of its facilities. Such outages shall be scheduled at mutually agreeable times, unless conditions exist which a Party believes, in accordance with Good Utility Practice, may endanger persons or property. No changes will be

made in the normal operation of the Point of Interconnection without the mutual agreement of the Parties except as otherwise provided herein. All testing of the Plant that affects the operation of the Point of Interconnection shall be coordinated between the TSP, the Control Area(s) in which the Plant and the TSP are located, and the Generator and will be conducted in accordance with ERCOT Requirements.

6.2 Control Area Notification. The Control Area within ERCOT is a single Control Area with ERCOT assuming authority as the Control Area operator in accordance with the ERCOT Protocols.

6.3 Land Rights and Easements. Terms and conditions addressing the rights of the TSP and the Generator regarding any facilities located on the other Party's property shall be addressed in a separate, duly executed and recorded easement agreement between the Parties. Prior to Commercial Operation, the Parties will mutually agree upon procedures to govern access to each other's property as necessary for the Parties to fulfill their obligations hereunder.

6.4 Service Interruption. The Parties recognize that the interruption of service provisions of the PUCT Rules give TSP the right to disconnect the TSP System from the Plant under the conditions specified therein. The Generator will promptly disconnect the Plant from the TSP System when required by and in accordance with the PUCT Rules and ERCOT Requirements.

6.5 Switching and Clearance.

A. Any switching or clearances needed on the TIF or the GIF will be done in accordance with ERCOT Requirements.

B. Any switching and clearance procedure necessary to comply with Good Utility Practice or ERCOT Requirements that may have specific application to the Plant shall be addressed in Exhibit "C".

6.6 Start-Up and Synchronization. Consistent with ERCOT Requirements and the Parties' mutually acceptable procedure, the Generator is responsible for the proper synchronization of the Plant to the TSP System.

6.7 Routine Operational Communications. On a timely basis, the Parties shall exchange all information necessary to comply with ERCOT Requirements.

6.8 Blackstart Operations. If the Plant is capable of blackstart operations, Generator will coordinate individual Plant start-up procedures consistent with ERCOT Requirements. Any blackstart operations shall be conducted in accordance with the blackstart criteria included in the ERCOT Requirements and the TSP Blackstart Plan on file with the ERCOT. Notwithstanding this

section, the Generator is not required to have blackstart capability by virtue of this Agreement. If the Generator will have blackstart capability, then Generator shall provide and maintain an emergency communication system that will interface with the TSP during a blackstart condition.

6.9 Power System Stabilizers. The Generator shall procure, install, maintain and operate power system stabilizers if required to meet ERCOT Requirements and as described in Exhibit "C".

ARTICLE 7. DATA REQUIREMENTS

7.1 Data Acquisition. The acquisition of data to realistically simulate the electrical behavior of system components is a fundamental requirement for the development of a reliable interconnected transmission system. Therefore, the TSP and the Generator shall be required to submit specific information regarding the electrical characteristics of their respective facilities to each other as described below in accordance with ERCOT Requirements.

7.2 Initial Data Submission by TSP. The initial data submission by the TSP shall occur no later than 120 days prior to Trial Operation and shall include transmission system data necessary to allow the Generator to select equipment and meet any system protection and stability requirements.

7.3 Initial Data Submission by Generator. The initial data submission by the Generator, including manufacturer data, shall occur no later than 90 days prior to the Trial Operation and shall include a completed copy of the following forms contained in the ERCOT's Generation Interconnection Procedure: (1) Plant Description/Data and (2) Generation Stability Data. It shall also include any additional data provided to the ERCOT for the System Security Study. Data in the initial submissions shall be the most current Plant design or expected performance data. Data submitted for stability models shall be compatible with the ERCOT standard models. If there is no compatible model, the Generator will work with an ERCOT designated consultant to develop and supply a standard model and associated data.

7.4 Data Supplementation. Prior to Commercial Operation, the Parties shall supplement their initial data submissions with any and all "as-built" Plant data or "as-tested" performance data which differs from the initial submissions or, alternatively, written confirmation that no such differences exist. Subsequent to Commercial Operation, the Generator shall provide the TSP any data changes due to equipment replacement, repair, or adjustment. The TSP shall provide the Generator any data changes due to equipment replacement, repair, or adjustment in the directly

connected substation or any adjacent TSP-owned substation that may affect the GIF equipment ratings, protection or operating requirements. The Parties shall provide such data no later than 30 days after the date of the actual change in equipment characteristics. Also, the Parties shall provide to each other a copy of any additional data later required by the ERCOT concerning these facilities.

7.5 Data Exchange. Each Party shall furnish to the other Party real-time and forecasted data as required by ERCOT Requirements. The Parties will cooperate with one another in the analysis of disturbances to either the Plant or the TSP's System by gathering and providing access to any information relating to any disturbance, including information from oscillography, protective relay targets, breaker operations and sequence of events records.

ARTICLE 8. PERFORMANCE OBLIGATION

8.1 Generator's Cost Responsibility. The Generator will acquire, construct, operate, test, maintain and own the Plant and the GIF at its sole expense. In addition, the Generator may be required to make a contribution in aid of construction in the amount set out in and for the facilities described in Exhibit "C", if any, in accordance with PUCT Rules.

8.2 TSP's Cost Responsibility. The TSP will acquire, own, operate, test, and maintain the TIF at its sole expense, subject to the provisions of Section 4.1.B and the contribution in aid of construction provisions of Section 8.1 of this Agreement.

8.3 Financial Security Arrangements. The TSP may require the Generator to pay a reasonable deposit or provide another means of security, to cover the costs of planning, licensing, procuring equipment and materials, and constructing the TIF. The required security arrangements shall be specified in Exhibit "E". Within five business days after the Plant achieves Commercial Operation, the TSP shall return the deposit or security to the Generator. However, the TSP may retain an amount to cover the incremental difference between the TSP's actual out of pocket costs associated with the choice of Section 4.1.B over Section 4.1.A, pending a final PUCT Order as contemplated in Section 4.1.B (iii). If the Plant has not achieved Commercial Operation within one year after the scheduled Commercial Operation date identified in Exhibit "B" or if the Generator terminates this Agreement in accordance with Section 2.1 and the TIF are not required, the TSP may, subject to the provisions of Section 2.2, retain as much of the deposit or security as is required to cover the costs it incurred in planning, licensing, procuring equipment and materials, and constructing the TIF. If a cash deposit is made pursuant to Exhibit "E", any repayment of such

cash deposit shall include interest at a rate applicable to customer deposits as established from time to time by the PUCT or other Governmental Authority.

ARTICLE 9. INSURANCE

9.1 Each Party shall, at its own expense, maintain in force throughout the period of this Agreement and until released by the other Party the following minimum insurance coverages, with insurers authorized to do business in Texas:

A. Employers Liability and Worker's Compensation Insurance providing statutory benefits in accordance with the laws and regulations of the State of Texas. The minimum limits for the Employer's Liability insurance shall be One Million Dollars ($1,000,000) each accident bodily injury by accident, One Million Dollars ($1,000,000) each employee bodily injury by disease, and One Million Dollars ($1,000,000) policy limit bodily injury by disease.

B. Commercial General Liability Insurance including premises and operations, personal injury, broad form property damage, broad form blanket contractual liability coverage (including coverage for the contractual indemnification) products and completed operations coverage, coverage for explosion, collapse and underground hazards, independent contractors coverage, coverage for pollution to the extent normally available and punitive damages to the extent normally available and a cross liability endorsement, with minimum limits of One Million Dollars ($1,000,000) per occurrence/One Million Dollars ($1,000,000) aggregate combined single limit for personal injury, bodily injury, including death and property damage.

C. Comprehensive Automobile Liability Insurance for coverage of owned, non-owned and hired vehicles, trailers or semi-trailers designed for travel on public roads, with a minimum combined single limit of One Million Dollars ($1,000,000) per occurrence for bodily injury, including death, and property damage.

D. Excess Public Liability Insurance over and above the Employer's Liability, Commercial General Liability and Comprehensive Automobile Liability Insurance coverage, with a minimum combined single limit of Twenty Million Dollars ($20,000,000) per occurrence/Twenty Million Dollars ($20,000,000) aggregate.

E. The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance, and Excess Public Liability Insurance policies shall name the other Party, its parent, associated and affiliated companies and their respective directors, officers, agents, servants and employees ("Other Party Group") as additional insured. All policies shall contain provisions

whereby the insurers waive all rights of subrogation in accordance with the provisions of this Agreement against the Other Party Group and provide thirty (30) days advance written notice to Other Party Group prior to anniversary date of cancellation or any material change in coverage or condition.

F. The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Public Liability Insurance policies shall contain provisions that specify that the policies are primary and shall apply to such extent without consideration for other policies separately carried and shall state that each insured is provided coverage as though a separate policy had been issued to each, except the insurer's liability shall not be increased beyond the amount for which the insurer would have been liable had only one insured been covered. Each Party shall be responsible for its respective deductibles or retentions.

G. The Commercial General Liability Insurance, Comprehensive Automobile Liability Insurance and Excess Public Liability Insurance policies, if written on a Claims First Made basis, shall be maintained in full force and effect for two (2) years after termination of this Agreement, which coverage may be in the form of tail coverage or extended reporting period coverage if agreed by the Parties.

H. The requirements contained herein as to the types and limits of all insurance to be maintained by the Parties are not intended to and shall not in any manner, limit or qualify the liabilities and obligations assumed by the Parties under this Agreement.

I. Within ten (10) days following execution of this Agreement, and as soon as practicable after the end of each fiscal year or at the renewal of the insurance policy and in any event within ninety (90) days thereafter, each Party shall provide certification of all insurance required in this Agreement, executed by each insurer or by an authorized representative of each insurer.

J. Notwithstanding the foregoing, each Party may self-insure to the extent it maintains a self-insurance program; provided that, such Party's senior long term debt is rated at investment grade, or better, by Standard & Poor's or Moody's Investor's Service. For any period of time that a Party's senior long term debt is unrated by Standard & Poor's and Moody's Investor's Service or is rated at less than investment grade by Standard & Poor's and Moody's Investor's Service, such Party shall comply with the insurance requirements applicable to it under Sections 9.1.A through 9.1.I. In the event that a Party is permitted to self-insure pursuant to this Section 9.1.J, it

shall not be required to comply with the insurance requirements applicable to it under Sections 9.1.A through 9.1.I.

K. The Parties agree to report to each other in writing as soon as practical all accidents or occurrences resulting in injuries to any person, including death, and any property damage arising out of this Agreement.

ARTICLE 10. MISCELLANEOUS

10.1 Governing Law and Applicable Tariffs.

A. This Agreement for all purposes shall be construed in accordance with and governed by the laws of the State of Texas, excluding conflicts of law principles that would refer to the laws of another jurisdiction. The Parties submit to the jurisdiction of the federal and state courts in the State of Texas.

B. This Agreement is subject to all valid, applicable rules, regulations and orders of, and tariffs approved by, duly constituted Governmental Authorities.

C. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, rules, or regulations of a Governmental Authority.

10.2 No Other Services. This Agreement is applicable only to the interconnection of the Plant to the TSP System at the Point of Interconnection and does not obligate either Party to provide, or entitle either Party to receive, any service not expressly provided for herein. Each Party is responsible for making the arrangements necessary for it to receive any other service that it may desire from the other Party or any third party. This Agreement does not address the sale or purchase of any electric energy, transmission service or ancillary services by either Party, either before or after Commercial Operation.

10.3 Entire Agreement. This Agreement, including all Exhibits, Attachments and Schedules attached hereto, constitutes the entire agreement between the Parties with reference to the subject matter hereof, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants which constitute any part of the consideration for, or any condition to, either Party's compliance with its obligations under this Agreement. Notwithstanding the other provisions of this Section, the Facilities Study Agreement, if any, and the Discretionary Services Agreement between the Parties executed on March 1, 2021

("Discretionary Service Agreement"), are unaffected by this Agreement, except as expressly provided therein.

10.4 Notices. Except as otherwise provided in Exhibit "D", any formal notice, demand or request provided for in this Agreement shall be in writing and shall be deemed properly served, given or made if delivered in person, or sent by either registered or certified mail, postage prepaid, overnight mail or fax to the address or number identified on Exhibit "D" attached to this Agreement. Either Party may change the notice information on Exhibit "D" by giving five business days written notice prior to the effective date of the change.

10.5 Force Majeure.

A. The term "Force Majeure" as used herein shall mean any cause beyond the reasonable control of the Party claiming Force Majeure, and without the fault or negligence of such Party, which materially prevents or impairs the performance of such Party's obligations hereunder, including but not limited to, storm, flood, lightning, earthquake, fire, explosion, failure or imminent threat of failure of facilities, civil disturbance, strike or other labor disturbance, sabotage, war, national emergency, or restraint by any Governmental Authority.

B. Neither Party shall be considered to be in Default (as hereinafter defined) with respect to any obligation hereunder (including obligations under Article 4), other than the obligation to pay money when due, if prevented from fulfilling such obligation by Force Majeure. A Party unable to fulfill any obligation hereunder (other than an obligation to pay money when due) by reason of Force Majeure shall give notice and the full particulars of such Force Majeure to the other Party in writing or by telephone as soon as reasonably possible after the occurrence of the cause relied upon. Telephone notices given pursuant to this Section shall be confirmed in writing as soon as reasonably possible and shall specifically state full particulars of the Force Majeure, the time and date when the Force Majeure occurred and when the Force Majeure is reasonably expected to cease. The Party affected shall exercise due diligence to remove such disability with reasonable dispatch, but shall not be required to accede or agree to any provision not satisfactory to it in order to settle and terminate a strike or other labor disturbance.

10.6 Default

A. The term "Default" shall mean the failure of either Party to perform any obligation in the time or manner provided in this Agreement. No Default shall exist where such failure to discharge an obligation (other than the payment of money) is the result of Force Majeure as defined in this Agreement or the result of an act or omission of the other Party. Upon a Default, the non-

defaulting Party shall give written notice of such Default to the defaulting Party. Except as provided in Section 10.6.B, the defaulting Party shall have thirty (30) days from receipt of the Default notice within which to cure such Default; provided however, if such Default is not capable of cure within 30 days, the defaulting Party shall commence such cure within 30 days after notice and continuously and diligently complete such cure within 90 days from receipt of the Default notice; and, if cured within such time, the Default specified in such notice shall cease to exist.

B. If a Default is not cured as provided in this Section, or if a Default is not capable of being cured within the period provided for herein, the non-defaulting Party shall have the right to terminate this Agreement by written notice at any time until cure occurs, and be relieved of any further obligation hereunder and, whether or not that Party terminates this Agreement, to recover from the defaulting Party all amounts due hereunder, plus all other damages and remedies to which it is entitled at law or in equity. The provisions of this Section will survive termination of this Agreement.

10.7 Intrastate Operation. The operation of the Plant by Generator shall not cause there to be a synchronous or an asynchronous interconnection between ERCOT and any other transmission facilities operated outside of ERCOT unless ordered by the Federal Energy Regulatory Commission under Section 210 of the Federal Power Act. The Parties recognize and agree that any such interconnection will constitute an adverse condition giving the TSP the right to immediately disconnect the TIF from the GIF, until such interconnection has been disconnected. The Generator will not be prohibited by this Section from interconnecting the Plant with facilities operated by the Comisión Federal de Electricidad of Mexico, unless such interconnection would cause ERCOT utilities that are not "public utilities" under the Federal Power Act to become subject to the plenary jurisdiction of the Federal Energy Regulatory Commission.

10.8 No Third Party Beneficiaries. This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and, where permitted, their assigns.

10.9 No Waiver. The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of obligations, rights, or duties imposed upon the Parties. Termination or Default of this Agreement for any reason by the Generator shall not constitute a waiver of the Generator's legal rights to obtain an interconnection from the TSP under a new interconnection agreement.

10.10 Headings. The descriptive headings of the various articles and sections of this Agreement have been inserted for convenience of reference only and are of no significance in the interpretation or construction of this Agreement.

10.11 Multiple Counterparts. This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

10.12 Amendment. This Agreement may be amended only upon mutual agreement of the Parties, which amendment will not be effective until reduced to writing and executed by the Parties.

10.13 No Partnership. This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or liability upon either Party. Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

10.14 Further Assurances. The Parties agree to (i) furnish upon request to each other such further information, (ii) execute and deliver to each other such other documents, and (iii) do such other acts and things, all as the other Party may reasonably request for the purpose of carrying out the intent of this Agreement and the documents referred to in this Agreement. Without limiting the generality of the foregoing, the TSP shall, at the Generator's expense, when reasonably requested to do so by the Generator at any time after the execution of this Agreement, prepare and provide such information in connection with this Agreement (including, if available, resolutions, certificates, opinions of counsel or other documents relating to the TSP's corporate authorization to enter into this Agreement and to undertake the obligations set out herein) as may be reasonably required by any potential lender to the Generator under a proposed loan agreement. The TSP will use commercially reasonable efforts to obtain any opinion of counsel reasonably requested by Generator, but the TSP shall not be in Default of any obligation under this Agreement if the TSP is unable to provide an opinion of counsel that will satisfy any potential lender to the Generator. Specifically, upon the written request of one Party, the other Party shall provide the requesting Party with a letter stating whether or not, up to the date of the letter, that Party is satisfied with the performance of the requesting Party under this Agreement.

10.15 Indemnification and Liability. The indemnification and liability provisions of the PUCT Rule 25.202(b)(2) or its successor shall govern this Agreement.

10.16 Consequential Damages. OTHER THAN THE LIQUIDATED DAMAGES HERETOFORE DESCRIBED, IN NO EVENT SHALL EITHER PARTY BE LIABLE UNDER

ANY PROVISION OF THIS AGREEMENT FOR ANY LOSSES, DAMAGES, COSTS OR EXPENSES FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT OR REVENUE, LOSS OF THE USE OF EQUIPMENT, COST OF CAPITAL, COST OF TEMPORARY EQUIPMENT OR SERVICES, WHETHER BASED IN WHOLE OR IN PART IN CONTRACT, IN TORT, INCLUDING NEGLIGENCE, STRICT LIABILITY, OR ANY OTHER THEORY OF LIABILITY; PROVIDED, HOWEVER, THAT DAMAGES FOR WHICH A PARTY MAY BE LIABLE TO THE OTHER PARTY UNDER ANOTHER AGREEMENT WILL NOT BE CONSIDERED TO BE SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES HEREUNDER.

10.17 Assignment. This Agreement may be assigned by either Party only with the written consent of the other; provided that either Party may assign this Agreement without the consent of the other Party to any affiliate of the assigning Party with an equal or greater credit rating and with the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement; and provided further that the Generator shall have the right to assign this Agreement, without the consent of the TSP, for collateral security purposes to aid in providing financing for the Plant, provided that the Generator will require any secured party, trustee or mortgagee to notify the TSP of any such assignment. Any financing arrangement entered into by the Generator pursuant to this Section will provide that prior to or upon the exercise of the secured party's, trustee's or mortgagee's assignment rights pursuant to said arrangement, the secured creditor, the trustee or mortgagee will notify the TSP of the date and particulars of any such exercise of assignment right(s). Any attempted assignment that violates this Section is void and ineffective. Any assignment under this Agreement shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason thereof. Where required, consent to assignment will not be unreasonably withheld, conditioned or delayed.

10.18 Severability. If any provision in this Agreement is finally determined to be invalid, void or unenforceable by any court having jurisdiction, such determination shall not invalidate, void or make unenforceable any other provision, agreement or covenant of this Agreement; provided that if the Generator (or any third-party, but only if such third-party is not acting at the direction of the TSP) seeks and obtains such a final determination with respect to any provision of Section 4.1.B, then none of the provisions of Section 4.1.B. shall thereafter have any force or effect and the Parties' rights and obligations shall be governed solely by Section 4.1.A.

10.19 Comparability. The Parties will comply with all applicable comparability and code of conduct laws, rules and regulations, as amended from time to time.

10.20 Invoicing and Payment. Unless the Parties otherwise agree (in a manner permitted by applicable PUCT Rules and as specified in writing in an Exhibit "E" attached hereto), invoicing and payment rights and obligations under this Agreement shall be governed by PUCT Rules or applicable Governmental Authority. Invoices shall be rendered to the paying Party at the address specified on, and payments shall be made in accordance with the requirements of, Exhibit "D".

10.21 Confidentiality.

A. Subject to the exception in Section 10.21.B, any information that a Party claims is competitively sensitive, commercial or financial information under this Agreement ("Confidential Information") shall not be disclosed by the other Party to any person not employed or retained by the other Party, except to the extent disclosure is (i) required by law; (ii) reasonably deemed by the disclosing Party to be required to be disclosed in connection with a dispute between or among the Parties, or the defense of litigation or dispute; (iii) otherwise permitted by consent of the other Party, such consent not to be unreasonably withheld; or (iv) necessary to fulfill its obligations under this Agreement or as a transmission service provider or a Control Area operator including disclosing the Confidential Information to the ERCOT. The Party asserting confidentiality shall notify the other Party in writing of the information it claims is confidential. Prior to any disclosures of the other Party's Confidential Information under this subsection, or if any third party or Governmental Authority makes any request or demand for any of the information described in this subsection, the disclosing Party agrees to promptly notify the other Party in writing and agrees to assert confidentiality and cooperate with the other Party in seeking to protect the Confidential Information from public disclosure by confidentiality agreement, protective order or other reasonable measures.

B. This provision shall not apply to any information that was or is hereafter in the public domain (except as a result of a breach of this provision).

Exhibit "B"
Time Schedule

Interconnection Option chosen by Generator (check one): __X__ Section 4.1.A. or ____ Section 4.1.B

If Section 4.1.B is chosen by Generator, the In-Service Date(s) was determined by (check one): (1) __N/A__ good faith negotiations, or (2) __N/A__ Designated by Generator upon failure to agree.

The following Time Schedule assumes full execution of this Agreement by August 22, 2021 so that TSP may file an application for a CCN ("CCN Application") by August 27, 2021. Any delay in the execution of this Agreement beyond August 22, 2021 may result in a day-for-day delay in the Time Schedule up to and including the scheduled In-Service Date.

Date by which Generator must provide additional security under the Discretionary Services Agreement for TSP to (i) determine the potential routing alternatives for the TSP Transmission Line; (ii) perform all activities necessary to prepare a CCN Application for submission to the PUCT to seek regulatory approval for construction of the TSP Transmission Line; and (iii) survey and procure land rights, including by eminent domain, if necessary, for Old Country Switch and access drives to Old Country Switch, so that TSP may maintain schedule to file a CCN Application by August 27, 2021 and meet the scheduled In-Service Date: **August 18, 2021**

Date by which Generator must provide additional security under the Discretionary Services Agreement for TSP to prepare, file, litigate, and execute a CCN Application, so that TSP may maintain schedule to meet the scheduled In-Service Date: **August 24, 2021**

Date by which Generator must provide additional security under the Discretionary Services Agreement for TSP to survey and procure land rights, including by eminent domain, if necessary, for the TSP Transmission Line, so that TSP may maintain schedule to meet the scheduled In-Service Date: **September 5, 2022**

Date by which Generator must provide TSP with an Irrevocable Standby Letter of Credit under this Agreement, providing full security for (i) all discretionary services formerly secured under the Discretionary Services Agreement, and (ii) design and procurement to be completed under this Agreement as specified in Section 4.2 (thereby releasing Generator from its obligation to maintain security for the benefit of Company under the Discretionary Services Agreement): **January 13, 2023**

Date by which Generator must provide notice to proceed with design and procurement and provide security, as specified in Section 4.2, so that TSP may maintain schedule to meet the scheduled In-Service Date: **January 13, 2023**

Date by which Generator must provide notice to commence construction and provide security, as specified in Section 4.3, so that TSP may maintain schedule to meet the scheduled In-Service Date: **August 11, 2023**

In - Service Date(s): **April 11, 2024**

Scheduled Trial Operation Date: **April 21, 2024**

Scheduled Commercial Operation Date: **August 15, 2024**

Date by which TSP will submit the Metering Design Proposal to ERCOT: **October 11, 2023**

Date by which Generator will provide its proposed protection system design to TSP in accordance with Attachment 3 to Exhibit "C": **October 11, 2023**

Date by which Generator will provide its proposed protection system device settings and other information to TSP in accordance with Attachment 3 to Exhibit "C": **February 11, 2024**

Date by which Generator will provide its proposed names of its equipment, as referenced in Exhibit "C", to TSP: **August 25, 2023**

Date by which TSP must take ownership or possession of the deed or easement(s) for Old Country Switch and the access drives to Old Country Switch, in accordance with Exhibit "C", for property for the TIF, so that TSP may maintain schedule to meet the scheduled In-Service Date: **August 27, 2021**

Date by which TSP must take ownership or possession of the easement(s) for the TSP Transmission Line, in accordance with Exhibit "C", for property for the TIF, so that TSP may maintain schedule to meet the scheduled In-Service Date: **August 11, 2023**

Date by which Generator will provide to TSP site drawings showing locations proposed routes and locations of all generating units, transmission lines, distribution lines, and roads planned to be constructed by Generator, in accordance with Exhibit "C": **July 14, 2023**

Date by which Generator will provide to TSP the Latitude and Longitude of all solar panel generating units, in accordance with Exhibit "C": **August 11, 2023**

Date by which Generator will have in place the communication facilities specified in Exhibit "C": **March 1, 2024**

Date by which Generator will provide its design of the facilities and operating scheme to comply with the reactive power requirements specified in Exhibit "C", when the plant is not generating real power into the ERCOT grid: **October 1, 2023**

Date by which Generator will provide its design of the facilities to comply with the unit reactive power requirements specified in Exhibit "C", when the plant is generating real power into the ERCOT grid: **October 1, 2023**

Date by which Generator will make contact with TSP to select the tap position of Generator's main power transformer(s) pursuant to Exhibit "C": **October 1, 2023**

Date by which the Generator will have its Transmission Line constructed to TSP's dead-end structure adjacent to the Generator Switchyard and ready for the TSP jumper connections pursuant to Exhibit "C": **February 16, 2024**

Due to the nature of the subject of this Agreement, the Parties may mutually agree to change the dates and times of this Exhibit "B".

Exhibit "C"
Interconnection Details

1. Name: Oystercatcher Solar, LLC – Oystercatcher Solar

2. Point of Interconnection location: The Point of Interconnection ("POI") will be located adjacent to Generator's Plant switchyard ("Generator Switchyard") in Ellis County, Texas. The Generator Switchyard will be located approximately four (4) miles southwest of TSP's new Old Country Switching Station ("Old Country Switch"). Old County Switch will be located approximately ten (10) miles southwest of Waxahachie, Texas, in the east circuit of the Navarro Switch (Lone Star Transmission) – Venus Switch (TSP) 345 kV double-circuit transmission line ("Navarro Switch – Venus Switch Transmission Line"). Specifically, the POI shall be designated at the points where TSP jumpers connect the TSP Old Country Switch – POI 345 kV transmission line ("TSP Transmission Line") to the Generator – POI 345 kV transmission line ("Generator Transmission Line") at Generator's 4-hole pads at TSP's dead-end structure located adjacent to the Generator Switchyard. (See Attachment 1 to Exhibit "C", One Line Diagram).

3. Delivery Voltage: 345kV

4. Number and size of Generating Units:

   Three hundred and five (305) inverters rated at 0.84 MVA each, with a total gross capacity of 256.2 MVA. The Plant will be dispatched at 220.33 MW, measured at the generator terminals.

   The Parties will amend this Exhibit "C" as necessary to reflect any changes Generator makes to the number and size of generating units.

5. Type of Generating Unit:

   TMEIC PVU LG0840GR solar inverters.

   The Parties will amend this Exhibit "C" as necessary to reflect any changes Generator makes to the manufacturer, model, or type of generating units.

6. Metering and Telemetry Equipment: Metering (voltage, location, losses adjustment due to metering location, and other), telemetry, and communications requirements shall be as follows:

   a. TSP shall, in accordance with ERCOT Requirements and Good Utility Practice, install, own, operate, inspect, test, calibrate, and maintain 345 kV metering accuracy potential and current transformers and associated metering and telemetry equipment (including an RTU) located in the TIF. A one-line diagram showing TSP's ERCOT-polled settlement ("EPS") metering location is attached to this Exhibit "C" as Attachment 1. TSP will connect its EPS primary meter(s) to its RTU via a communication link. Primary EPS metering data may be made available to Generator via a Generator-owned communication link connected to TSP's RTU,

using TSP's available RTU protocol. Such data, if provided to Generator, will be for Generator's informational purposes only. Generator shall not rely on such data, as the primary source, for the metering data addressed in item 6b. below, or for any other scheduling or operational purposes. TSP makes no guarantee of the quality or availability of such data. The provisions of Exhibit "A", Section 5.5G., shall not apply to TSP's RTU.

b. Generator shall, in accordance with Good Utility Practice, install, own, operate, inspect, test, calibrate, and maintain the necessary metering potential and current transformers and associated metering and telemetry equipment in the GIF and/or Plant to satisfy the ERCOT Requirements for the provision of metering data by Generator's "Qualified Scheduling Entity".

c. Generator shall, in accordance with ERCOT Requirements and Good Utility Practice, install, own, operate, inspect, test, calibrate, and maintain the metering and telemetry equipment (including an RTU or other equipment acceptable to TSP) to supply all electrical parameters of the Plant and GIF, as specified in the SCADA Table in Attachment 2 to this Exhibit "C", to TSP at a location designated by TSP.

d. Generator shall, in accordance with ERCOT Requirements and Good Utility Practice, provide communications facilities that are, or may in the future be, necessary for effective interconnected operation of the Generator's Plant with the transmission system. Generator will directly make arrangements to procure and will bear the procurement, installation and ongoing costs of items (i) and (ii) below. The communications facilities will include (see Attachment 2A to Exhibit "C"):

   (i) one private line voice circuit (an off-premise extension of TSP's PBX) in the Control Center referenced in Section 12(b) below, as shown on Exhibit D. The telephone handset for this voice line will be located in the Control Center such that personnel responsible for controlling voltage of the Plant will have continuous, ready access to the handset to receive calls from TSP's control center.

   (ii) one communication path, acceptable to TSP, that will deliver the Generator switchyard data specified in Attachment 2 to Exhibit "C" from Generator's RTU (using an RS-232 output) to TSP's control center. Generator shall use DNP 3.0 protocol (or other protocol acceptable to TSP). The communication path shall avoid the use of the public internet. TSP will provide rack space at a location designated by TSP for Generator's communication interface equipment.

e. Prior to the In-Service Date, acceptance tests will be performed by TSP and Generator to ensure the proper functioning of all metering, telemetry, and communications equipment, and to verify the accuracy of data being received by TSP.

f. Following the Commercial Operation date, each Party shall test its metering, telemetry, and communications equipment in accordance with ERCOT Requirements and Good Utility Practice. Each Party shall give the other Party

reasonable advance notice of such testing. Each Party shall have the right to observe testing performed by the other Party.

g. Any changes to Generator's metering, telemetry, and communication equipment, including meters, voltage transformers, current transformers, and associated RTU, panels, hardware, conduit and cable, that will affect the data being received by TSP hereunder must be mutually agreed to by the Parties.

h. Each Party will promptly advise the other Party if it detects or otherwise learns of any metering, telemetry, or communications equipment or related situation that requires attention and/or correction by the other Party.

7. Generator Interconnection Facilities: The GIF shall include, but not be limited to, the following facilities. (See Attachment 1 to Exhibit "C", One Line Diagram)

Generator Transmission Line

Generator will design, construct, and own a one span single-circuit, 345 kV transmission line, including circuit conductors, OPGW and EHS static wire, from the Generator dead-end structure located in the Generator Switchyard to the TSP dead-end structure located at the POI ("Generator Transmission Line"). TSP and Generator will coordinate the point loads for all phase, OPGW and static wire attachments to the TSP dead-end structure as well as spacing and line angle.

Generator will be responsible for the installation of multi-fiber fiber optic cable with 1300/1550 nm single-mode fibers, 48 fibers minimum (24 fibers per tube), to interface with the TSP Transmission Line multi-fiber fiber optic cable to be used for primary and redundant line relaying and optional SCADA communications for EPS metering information to Generator. TSP will install and own a fiber optic splice box located at the base of the TSP dead-end structure located at the POI. Generator will route its fiber optic cable to the splice box. TSP will route its fiber to the splice box and be responsible for splicing the Generator fibers to the TSP fibers.

Generator Switchyard Facilities

The Generator Switchyard shall include, but not be limited to, the following facilities. (See Attachment 1 to Exhibit "C", One Line Diagram)

(1 ea.) Circuit breaker, 345 kV with two sets of 3000/5, MRC800 CT's with a TRF = 2.0 for line current differential relaying
(1 lot) Switches, air break, 345 kV, gang operated, 3-phase, with provisions for TSP's pad lock
(1 lot) PT or CCVT, 345 kV, dual secondary windings as required for Generator metering and relaying
(1 lot) Protective relaying equipment necessary to interface with TSP's relaying equipment for protection of the 345 kV tap line, and related breaker failure protection schemes
(1 ea.) Supervisory equipment, SCADA RTU

(1 ea.) Fault Recording equipment (as required by ERCOT)
(1 ea.) Phasor Measurement Unit (PMU) (as required by ERCOT)
(1 lot) Multi-fiber, OPGW shield cable with 1300/1550 nm single-mode fibers, 48 fibers minimum (24 fibers per tube), to interface with the TSP Transmission Line multi-fiber fiber optic cable to be used for primary and redundant line relaying and optional supervisory control and data acquisition ("SCADA") communications for EPS metering information to the Generator.
(1 lot) Associated structures, buswork, conductor, connectors, grounding, conduit, control cable, foundation work, perimeter fencing, grading/dirt work and any appurtenances necessary for construction and operation of the Generator Switchyard.
(1 lot) Capacitors/Reactors (see Exhibit C, Sections 12k and 12l)

The above list is not intended to be a complete list of all facilities that are part of the GIF.

8. Transmission Service Provider Interconnection Facilities: The TIF shall include, but not be limited to, the following facilities. See Attachment 1 to Exhibit "C", One Line Diagram)

Navarro Switch (Lone Star Transmission) - Venus Switch (TSP) 345 kV Transmission Line Changes and Additions

To construct Old Country Switch it will be necessary to modify the east circuit of the Navarro Switch (LST) – Venus Switch 345 kV double-circuit transmission line. The work required to loop the east circuit into TSP's Old Country Switch includes replacing two (2) 345 kV tangent structures, installing two (2) 345 kV transmission dead-end three pole structures, one (1) 345 kV tangent structure, two (2) spans of bundled (2) conductors, two (2) spans of 48 count 0.546" optical ground wire ("OPGW") and two (2) spans of 7/16" EHS steel shield wire and terminating them at the station dead-end structure inside Old Country Switch.

The OPGW fiber optic cable will be a single multi-fiber optic cable with 1300/1550 nm single-mode fibers, 48 fibers minimum (24 fibers per tube), to be used for future primary and redundant line relaying. The OPGW fiber optic cable will be terminated at splice boxes located at the base of both TSP transmission dead-end turning structures outside Old Country Switch and both TSP dead-end structures inside Old Country Switch. TSP will install and own the fiber optic splice boxes.

Navarro Switch (Lone Star Transmission) Changes

The system improvements at Navarro Switch require modifying the existing carrier frequencies for the line to Old Country Switch. This project includes re-tuning the existing line trap, line tuner and updating relay settings.

Venus Switch (TSP) Changes

The system improvements at Venus Switch require modifying the existing carrier frequencies for the line to Old Country Switch. This project includes re-tuning the existing line trap, line tuner and updating relay settings.

Old Country Switch – POI 345 kV Transmission Line Facilities

To interconnect the Generator Switchyard to Old Country Switch TSP will design, construct, and own the TSP Transmission Line, an approximately 4.5 mile single-circuit 345 kV transmission line on double circuit structures from TSP's dead-end structure located in Old Country Switch to TSP's dead-end structure located adjacent to the Generator Switchyard, including bundled (2) conductors, 7/16" EHS shield wire, and 48 count 0.546" OPGW shield wire. TSP and Generator will coordinate the point loads for all phase, OPGW and static wire attachments to the TSP dead-end structure as well as spacing and line angle.

TSP will be responsible for the installation of multi-fiber fiber optic cable with 1300/1550 nm single-mode fibers, 48 fibers minimum (24 fibers per tube), to interface with the Generator Transmission Line multi-fiber fiber optic cable to be used for primary and redundant line relaying and optional SCADA communications for EPS metering information to Generator. TSP will install and own a fiber optic splice box located at the base of the TSP dead-end structure located at the POI. Generator will route its fiber optic cable to the splice box. TSP will route its fiber to the splice box and be responsible for splicing the Generator fibers to the TSP fibers.

The TSP Transmission Line will require a right-of-way with an approximate 100'-0" width which shall extend approximately 50' beyond the TSP dead-end structure located adjacent to the Generator Switchyard.

CCN Proceeding

The exact routing of the TSP Transmission Line will be determined by a transmission environmental assessment, routing study, and subsequent CCN proceeding. The estimated design, procurement, and construction cost of the TSP Transmission Line is subject to the results of the environmental assessment, routing study, and the final order in the CCN proceeding. The right-of-way in which the TSP Transmission Line will be constructed will be procured by TSP, subject to the final order in the CCN proceeding. If the Parties determine, as a result of the final order in the CCN proceeding, that this Agreement needs to be amended, the Parties will amend this Agreement in accordance with such final order.

Old Country Switch Facilities

Old Country Switch shall consist of two 345 kV sources and provide Generator with one interconnection point from a 345 kV three breaker, ring bus. The following list of major switchyard equipment will be necessary for Old Country Switch.

(3 ea.) Circuit breaker, 362 kV, 3200 A, 63 kA
(3 ea.) Switch, air-break, 362 kV, 3200 A, gang operated, 3 phase with 3 phase ground switch
(6 ea.) Switch, air-break, 362 kV, 3200 A, gang operated, 3 phase
(3 ea.) Current Transformer ("CT"), metering, 345 kV
(3 ea.) Coupling Capacitor Voltage Transformer ("CCVT"), 345 kV, dual secondary windings for metering and relaying
(2 ea.) CCVT, 345 kV, dual secondary windings for relaying, with carrier accessories

(4 ea.) CCVT, 345 kV, dual secondary windings for relaying
(2 ea.) Line trap, 345 kV, 3200 A
(2 ea.) Line tuner
(9 ea.) Surge arrester, 276 kV
(1 lot) All galvanized steel structures, including dead-ends, switch stands, CT supports, PT supports, surge arrester supports, CCVT supports, line trap supports, static masts, and bus supports necessary for construction and operation of the TIF
(1 lot) Associated buswork, conductor, connectors, grounding, conduit, control cable, foundation work, perimeter fencing, grading, final site preparation and any appurtenances necessary for construction and operation of the TIF
(1 ea.) Supervisory equipment, SCADA remote terminal unit ("RTU")
(1 ea.) Control house w/2-125 VDC battery sets and associated indoor accessories
(1 lot) Emergency switchyard generator and associated propane storage facilities
(1 lot) Distribution station service facilities
(1 ea.) Generator Transmission Line current differential ("LCD") relay panel
(1 ea.) Navarro Switch Line, Directional Comparison Blocking ("DCB") over carrier relay panel
(1 ea.) Venus Switch Line, DCB over carrier relay panel
(2 ea.) Single channel transfer trip transmitter and receiver relay panel
(1 ea.) Carrier tester panel with DC alarms, clock and communication processors
(1 ea.) Digital Fault Recorder
(1 ea.) Metering panel with totalizing equipment

The above lists are not intended to be complete lists of all facilities that are part of the TIF.

9. Communications Facilities: See Item 6 above.

10. System Protection Equipment: See Section 5.6 of Exhibit "A" and Attachment 3 to this Exhibit "C".

11. Inputs to Telemetry Equipment: See Attachment 2 to this Exhibit "C".

12. Supplemental Terms and Conditions:

a. For additional supplemental terms and conditions, see Attachments 1, 2, and 3 to this Exhibit "C".

b. Generator Control Center - Generator will establish a control center that shall be staffed 24 hours per day, 7 days per week, by personnel capable of making operating decisions and possessing the ability and authority to directly control voltage at the Plant, including the control of all devices at the Plant (such as generators, reactors and capacitors) associated with controlling such voltage ("Generator Control Center"). In the event that the Generator Control Center is not located at the Plant, the voltage control described in the preceding sentence will be accomplished directly by Generator Control Center personnel via a supervisory control and data acquisition (SCADA) system directly asserting control over all voltage control equipment at the Plant. Prior to TSP completing the TIF and placing such facilities in service, the Parties will revise Exhibit D to incorporate any missing telephone numbers for the Generator in Section (a).

c. If Generator Owns Land - If Generator will own the land in fee upon which TSP will construct the TIF or portion thereof, Generator will provide to TSP, at no cost to TSP, a deed and/or easement(s) in perpetuity, in form and substance satisfactory to TSP, for such land or land rights as are needed for the TIF on any land owned in fee by Generator. Generator will provide such deed and/or easement(s) to TSP by the date(s) specified in Exhibit "B". The easement for the Old Country Switch property shall be an exclusive perpetual easement.

d. If Generator Does Not Own Land – The following provisions will apply if Generator will not own the land in fee upon which TSP will construct the TIF.

(i) TSP's completion of the TIF by the date specified in Exhibit "B" is contingent upon the land owner(s) granting to TSP either a deed or easement(s) in perpetuity, in form and substance satisfactory to TSP, for such land or land rights needed for the TIF by the date specified in Exhibit "B".

(ii) If the Generator has obtained certain land rights from the fee owner of the land upon which the TIF will be constructed, Generator will (i) enter into good faith negotiations with the fee owner of such land to assist TSP in obtaining, at no cost to TSP, either a deed or easement(s) in perpetuity, in form and substance satisfactory to TSP, for such land or land rights needed for the TIF, by the date(s) specified in Exhibit "B" and (ii) cooperate with TSP and the fee owner of such land in the development of legal documentation, satisfactory to TSP, which specifies that the land rights to be granted to TSP by the fee owner of such land will control in the event of conflict between such land rights and the aforementioned land rights held by Generator.

e. Names and Device Numbers – Generator and TSP will collaborate and reach mutual agreement on the establishment of: i) unique name(s) for the Generator's substations, unit main transformers, and switching station(s) connected at transmission voltage), ii) device numbers for all transmission voltage level switches and breakers which will be owned by Generator, and iii) unique names for Generator's generating units, in accordance with ERCOT Requirements. Generator will submit to TSP, its proposed name(s) as referenced in this paragraph, to TSP by the date specified in Exhibit "B". Generator will register the name(s) of the facilities specified in this paragraph and Generator-owned device numbers at ERCOT, in accordance with ERCOT Requirements, and such names and device numbers will be consistent with the names and numbers mutually agreed upon pursuant to this paragraph. Generator will not change any of the names or device numbers, established pursuant to this paragraph, without written approval of TSP. Generator will label the devices, referenced in item (ii) above, with the numbers assigned to such devices.

f. Encroachments – If Generator desires to conduct any of the following activities within any portion of TSP's right of way associated with TSP's transmission or distribution lines: i) construct transmission lines, distribution lines, communication facilities, roads, water lines, sewer lines, gas pipelines, or any other facilities, ii) store any equipment or materials, or iii) change the grade, elevation, or contour of

the land, Generator must submit its request to TSP using a form of request acceptable to TSP and obtain written authorization from TSP for such encroachment prior to Generator installing such facilities or conducting such activities. **TSP RESERVES THE RIGHT TO DELAY THE ENERGIZATION OF THE POINT OF INTERCONNECTION UNTIL GENERATOR OBTAINS ALL REQUIRED WRITTEN AUTHORIZATIONS FROM TSP FOR SUCH ENCROACHMENTS, IF ANY**. The Generator will be responsible for the cost of all modifications needed on facilities owned by TSP which are the result of such encroachment. The provision of overall site plans by Generator shall not relieve Generator from the obligation to submit all encroachment requests in accordance with this subsection (f).

g. Power Supply to Switching Station – TSP will, at TSP's expense, be responsible for (i) making arrangements with a certificated utility for the installation of a 120/240 volt AC distribution voltage point of interconnection for TSP's use at Old Country Switch. TSP will make arrangements for and bear the cost of power and energy taken from such point of interconnection.

h. Incomplete Studies - Generator has requested to sign this Agreement prior to performing the Sub-synchronous Resonance ("SSR") and any applicable restudy of the full interconnection studies ("Studies") associated with the interconnection of the Plant. The completion of such Studies may reveal that additional TSP facilities will be required to be installed in conjunction with the interconnection of the Plant. If TSP determines, as a result of such Studies, that this Agreement needs to be amended to include additional facilities, the Parties will amend this Agreement to include (i) such additional facilities identified in the Studies, and (ii) additional security requirements. Generator will provide an additional level of security in accordance with this Agreement to reflect any such additional facilities.

i. Additional Studies – If it is necessary for TSP to perform any additional generation interconnection studies associated with the Plant in accordance with ERCOT Requirements, the Parties will enter an agreement to perform those studies and Generator shall pay TSP for the studies pursuant to that agreement. The completion of such studies may reveal that additional TSP facilities will be required to be installed in conjunction with the interconnection of the Plant. If TSP determines, as a result of such studies, that this Agreement needs to be amended to include additional facilities, the Parties will amend this Agreement to include (i) such additional facilities identified in the studies, and (ii) additional security requirements. Generator will provide an additional level of security in accordance with this Agreement to reflect any such additional facilities.

j. Federal Income Tax – To the extent that a payment made by Generator to TSP pursuant to Sections 2.2 and 8.3 of Exhibit A is taxable income for federal income tax purposes, as determined by TSP, such payment shall be increased by an adder, as determined by TSP in accordance with its normal practices, to cover the effects of Generator's payment on TSP's tax liability.