2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		**RATINGS**				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	5
b)	Maximize distance from businesses	1	2	3	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	5
d)	Maximize length along existing transmission lines	1	2	3	4	5
e)	Maximize length along highways or other roads	1	2	3	4	5
f)	Maximize length along property boundary lines	1	2	3	4	5
g)	Maintain reliable electric service	1	2	3	4	5
h)	Minimize length through wetlands/floodplains	1	2	3	4	5
i)	Minimize crossing and paralleling of streams/ rivers	1	2	3	4	5
k)	Minimize length across cropland	1	2	3	4	5
l)	Minimize loss of trees	1	2	3	4	5
m)	Minimize visibility of the line	1	2	3	4	5
n)	Minimize total length of line (reduces cost of line)	1	2	3	4	5
o)	Minimize length through grassland or pasture	1	2	3	4	5
p)	Maximize length through undeveloped land	1	2	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).

_____

_____

_____

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
_____	_____
_____	_____
_____	_____

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	3
b. Along roads/railroads	1	2	3
c. Along fence lines away from roads	1	2	3
d. Along section lines	1	2	3
e. Along 1/2 section lines	1	2	3

7. The PUC 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/or recreational areas
- Proximity to Federal Aviation Administration-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

XCEL's consultant 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 help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
_____ b. Potential segment is across my land
_____ c. Potential segment is across land I farm
_____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: _____ Phone: (_____) _____
Address: _____
_____
Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail**.

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

THE STATE OF TEXAS

LANDOWNER'S BILL OF RIGHTS

PREPARED BY THE

OFFICE OF THE
ATTORNEY GENERAL OF TEXAS

STATE OF TEXAS LANDOWNER'S BILL OF RIGHTS

This Landowner's Bill of Rights applies to any attempt by the government or a private entity to take your property. The contents of this Bill of Rights are prescribed by the Texas Legislature in Texas Government Code Sec. 402.031 and Chapter 21 of the Texas Property Code.

1. You are entitled to receive adequate compensation if your property is taken for a public use.

2. Your property can only be taken for a public use.

3. Your property can only be taken by a governmental entity or private entity authorized by law to do so.

4. The entity that wants to take your property must notify you that it wants to take your property.

5. The entity proposing to take 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 entity proposing to take your property must make a bona fide offer to buy the property before it files a lawsuit to condemn the property – which means 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 that includes three special commissioners. The special commissioners must determine the amount of compensation the condemning entity owes for the taking of 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 taking of your property was proper, you have the right to a trial by a judge or jury. If you are dissatisfied with the trial court's judgment, you may appeal that decision.

CONDEMNATION PROCEDURE

Eminent domain is the legal authority that certain entities are granted that allows those entities to take private property for a public use. Private property can include land and certain improvements that are on that property.

Private property may only be taken by a governmental entity or private entity that is authorized by law to do so. Your property may be taken only for a public purpose. That means it can only be taken for a purpose or use that serves the general public. Texas law prohibits condemnation authorities from taking your property to enhance tax revenues or foster economic development.

Your property cannot be taken without adequate compensation. Adequate compensation includes the market value of the property being taken. It may also include certain damages if your remaining property's market value is diminished by the acquisition itself or by the way the condemning entity will use the property.

HOW THE TAKING PROCESS BEGINS

The taking of private property by eminent domain must follow certain procedures. First, the entity that wants to condemn your property must provide you a copy of this Landowner's Bill of Rights before - or at the same time - the entity first represents to you that it possesses eminent domain authority.

Second, if it has not been previously provided, the condemning entity must send this Landowner's Bill of Rights to the last known address of the person who is listed as the property owner on the most recent tax roll. This requirement stipulates that the Landowner's Bill of Rights must be provided to the property owner at least seven days before the entity makes a final offer to acquire the property.

Third, the condemning entity must make a bona fide offer to purchase the property. The requirements for a bona fide offer are contained in Chapter 21 of the Texas Property Code. At the time a purchase offer is made, the condemning entity must disclose any appraisal reports it produced or acquired that relate specifically to the property and were prepared in the ten years preceding the date of the purchase offer. You have the right to discuss the offer with others and to either accept or reject the offer made by the condemning entity.

CONDEMNATION PROCEEDINGS

If you and the condemning entity do not agree on the value of your property, the entity may begin condemnation proceedings. Condemnation is the legal process that eligible entities utilize to take private property. It begins with a condemning entity filing a claim for your property in court. If you live in a county where part of the property being condemned is located, the claim must be filed in that county. Otherwise, the condemnation claim can be filed in any county where at least part of the property being condemned is located. The claim must describe the property being condemned, state with specificity the public use, state the name of the landowner, state that the landowner and the condemning entity were unable to agree on the value of the property, state that the condemning entity provided the landowner with the Landowner's Bill of Rights, and state that the condemning entity made a bona fide offer to acquire the property from the property owner voluntarily.

SPECIAL COMMISSIONERS' HEARING

After the condemning entity files a condemnation claim in court, the judge will appoint three local landowners to serve as special commissioners. The judge will give you a reasonable period to strike one of the special commissioners. If a commissioner is struck, the judge will appoint a replacement. These special commissioners must live 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 special commissioners are not legally authorized to decide whether the condemnation is necessary or if the public use is proper. Their role is limited to assessing adequate compensation for you. After being appointed, the special commissioners must schedule a hearing at the earliest practical time and place. The special commissioners are also required to give you written notice of the condemnation hearing.

You are required to provide the condemning entity any appraisal reports that were used to determine your claim about adequate compensation for the condemned property. Under a new law enacted in 2011, landowners' appraisal reports must be provided to the condemning entity either ten days after the landowner receives the report or three business days before the special commissioners' hearing - whichever is earlier. You may hire an appraiser or real estate professional to help you determine the value of your private property. Additionally, you can hire an attorney to represent you during condemnation proceedings.

At the condemnation hearing, the special commissioners will consider your evidence on the value of your condemned property, the damages to remaining property, any value added to the remaining property as a result of the condemnation, and the condemning entity's proposed use of your condemned property.

SPECIAL COMMISSIONERS' AWARD

After hearing evidence from all interested parties, the special commissioners will determine the amount of money that you should be awarded to adequately compensate you for your property. The special commissioners' decision is significant to you not only because it determines the amount that qualifies as adequate compensation, but also because it impacts who pays for the cost of the condemnation proceedings. Under the Texas Property Code, 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. However, if the special commissioners' award is more than the condemning entity offered to pay before the proceedings began, then the condemning entity will be responsible for the costs associated with the proceedings.

The special commissioners are required to provide the court that appointed them a written decision. That decision is called the "Award." The Award must be filed with the court and the court must send written notice of the Award to all parties. After the Award is filed, the condemning entity may take possession of the property being condemned, even if either party appeals the Award of the special commissioners. To take possession of the property, the condemning entity must either pay the amount of the Award or deposit the amount of the Award into the court's registry. You have the right to withdraw funds that are deposited into the registry of the court.

OBJECTION TO THE SPECIAL COMMISSIONERS' AWARD

If either the landowner or the condemning entity is dissatisfied with the amount of the Award, either party can formally object to the Award. In order to successfully make this valuation objection, it must be filed in writing with the court. If neither party timely objects to the special commissioners' Award, the court will adopt the Award as the final judgment of the court.

If a party timely objects to the special commissioners' Award, the court will hear the case in the same manner that other civil cases are heard. Landowners who object to the Award and ask the court to hear the matter have the right to a trial and can elect whether to have the case decided by a judge or jury. The allocation of any trial costs is decided in the same manner that costs are allocated with the special commissioners' Award. After trial, either party may appeal any judgment entered by the court.

DISMISSAL OF THE CONDEMNATION ACTION

A condemning entity may file a motion to dismiss the condemnation proceeding if it decides it no longer needs your condemned property. If the court grants the motion to dismiss, the case is over and you are entitled to recover reasonable and necessary fees for attorneys, appraisers, photographers, and for other expenses incurred to the date of the hearing on the motion to dismiss.

If you wish to challenge the condemning entity's authority to take your property, you can lodge that challenge by filing a motion to dismiss the condemnation proceeding. Such a motion to dismiss would allege that the condemning entity did not have the right to condemn your property. For example, a landowner could challenge the condemning entity's claim that it seeks to take the property for a public use. If the court grants the landowner's motion, the court may award the landowner reasonable and necessary fees for attorneys, appraisers, photographers, and for other expenses incurred to the date of the hearing or judgment.

RELOCATION COSTS

If you are displaced from your residence or place of business, you may be entitled to reimbursement for reasonable expenses incurred while moving personal property from the residence or relocating the business to a new site. However, during condemnation proceedings, reimbursement for relocation costs may not be available if those costs are separately recoverable under another law. Texas law limits the total amount of available relocation costs to the market value of the property being moved. Further, the law provides that moving costs are limited to the amount that a move would cost if it were within 50 miles.

RECLAMATION OPTIONS

If private property was condemned by a governmental entity, and the public use for which the property was acquired is canceled before that property is used for that public purpose, no actual progress is made toward the public use within ten years or the property becomes unnecessary for public use within ten years, landowners may have the right to repurchase the property for the price paid to the owner by the entity at the time the entity acquired the property through eminent domain.

DISCLAIMER

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.

ADDITIONAL RESOURCES

Further information regarding the procedures, timelines and requirements outlined in this document can be found in Chapter 21 of the Texas Property Code.

State of _____

PERMISSION TO SURVEY

I, _____of _____ County, State of _____, do hereby grant to Southwestern Public Service Company, a subsidiary of Xcel Energy, Inc. and its representatives, my permission and consent to enter upon the following described land, which is either owned and/or leased by me, for the purpose of making a survey for boundary determination, archeological inspections, cultural analysis, and soil sampling for a possible route for an electric transmission power line.

Section _____, Block/Township _____, Survey/Range _____, County_____

Tract Number(s): _____

Instructions: _____

_____

_____

_____

_____

_____

_____

_____

_____

Dated this _____day of _____, 2018

_____ Landowner

_____ Tenant

Xcel Energy®
RESPONSIBLE BY NATURE™

Power for the Plains

Siting and Land Rights
790 South Buchanan, 4th Floor
Amarillo, TX 79101
Telephone: (806) 378-2132
Facsimile: (806) 378-2142

PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

After you have visited the various display stations around the room and talked with the project representatives, please fill out this questionnaire and place it in the box marked questionnaires at the door before you leave. Your responses will help the utility company and Burns & McDonnell understand the community's concerns and better aid the project team as it incorporates the input received into the development of the route alternatives that will be submitted to the PUC for its consideration. Again, thank you for your time and interest.

1. Did you attend the open house meeting?

Yes ✓ No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ✓ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

	FACTORS	**RATINGS**				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	(5)
b)	Maximize distance from businesses	1	2	(3)	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	(5)
d)	Maximize length along existing transmission lines	(1)	2	3	4	5
e)	Maximize length along highways or other roads	1	2	3	4	(5)
f)	Maximize length along property boundary lines	1	2	3	4	(5)
g)	Maintain reliable electric service	1	2	(3)	4	5
h)	Minimize length through wetlands/floodplains	(1)	2	3	4	5
i)	Minimize crossing and paralleling of streams/ rivers	(1)	2	3	4	5
k)	Minimize length across cropland	1	2	3	4	(5)
l)	Minimize loss of trees	(1)	2	3	4	5
m)	Minimize visibility of the line	1	2	3	(4)	5
n)	Minimize total length of line (reduces cost of line)	1	2	3	4	(5)
o)	Minimize length through grassland or pasture	1	2	(3)	4	5
p)	Maximize length through undeveloped land	1	2	3	4	(5)
q)	Minimize impacts to archaeological and historic sites	1	2	(3)	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
~~20~~ 27	Residences Rec. 3/10

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	(3)
b. Along roads/railroads	(1)	2	3
c. Along fence lines away from roads	(1)	2	3
d. Along section lines	(1)	2	3
e. Along 1/2 section lines	1	2	(3)

7. The PUC 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
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- Proximity to historical or archeological sites
- Agricultural areas irrigated by traveling irrigation systems
- Environmentally sensitive areas
- Protected or endangered species

XCEL's consultant 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 help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
29-20 b. Potential segment is across my land
__√__ c. Potential segment is across land I farm
_____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	__√__ Yes	_____ No
Information provided	__√__ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: [redacted] Phon [redacted]
Address: [redacted]
Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail.**

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

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PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

After you have visited the various display stations around the room and talked with the project representatives, please fill out this questionnaire and place it in the box marked questionnaires at the door before you leave. Your responses will help the utility company and Burns & McDonnell understand the community's concerns and better aid the project team as it incorporates the input received into the development of the route alternatives that will be submitted to the PUC for its consideration. Again, thank you for your time and interest.

1. Did you attend the open house meeting?

Yes ✓ No ____

Represented By

Xcel Energy®
RESPONSIBLE BY NATURE™

June 4, 2018
(Via Mail)

Hilldale Farms, Inc.
P.O. Box 726
Seagraves, TX 79359

Dear Landowner,

Xcel Energy, Inc. (Xcel) is proposing to construct a new 115 kilovolt (kV) electric transmission line in Yoakum and Gaines County, Texas. The proposed Mustang to Seminole transmission line will be approximately 20 miles long, depending upon the route approved by the Public Utility Commission of Texas. The proposed transmission line will connect the existing Mustang Substation (located approximately 5.33 miles east of Denver City) to the proposed Seminole Substation (located approximately 4.91 miles northwest of Seminole). Please see the enclosed map.

You are receiving this notice regarding the aforementioned proposed project because one or more of the preliminary alternative route segments for the proposed transmission line may require an easement or other property interest across your property, or the centerline of one of the preliminary alternative routes may be located within 300 feet of your property.

Xcel is committed to routing the proposed transmission line in a manner consistent with the values of the local communities, the Texas Utilities Code, the Public Utility Commission of Texas Rules and Policies, and the need to provide reliable electric service to this area of North Texas. In support of the routing process, Xcel is holding a public participation meeting to solicit input for use in identifying alternative routes for the proposed transmission line and to share information about line routing alternatives. The public meeting will be held Tuesday June 19, 2018, at the Seminole Community Center located at 801 N. Main Street, Seminole, Texas from 5:00 to 7:00 pm.

Burns & McDonnell a consulting firm retained by Xcel, has identified preliminary alternative transmission line route segments for consideration which are shown as dashed lines on the map and will be available at the meeting to discuss these routes. Maps with greater detail will be exhibited at the meeting. Individuals attending this "come and go" open house meeting will have an opportunity to ask questions and provide information to representatives and technical experts from Xcel and Burns & McDonnell regarding the routing of the proposed transmission line. These preliminary alternative routes are subject to modification based on further study and information received at the public meeting. If you have any questions concerning this meeting, please contact Nisha Fleischman at (806) 378-2713. If you are unable to attend the open house, we encourage you to visit the project website, http://www.powerfortheplains.com/projects, to find more information.

Sincerely,

Nisha Fleischman

Nisha Fleischman
Xcel Energy
Enclosure

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		RATINGS				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	5
b)	Maximize distance from businesses	1	2	3	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	5
d)	Maximize length along existing transmission lines	1	2	3	4	5
e)	Maximize length along highways or other roads	1	2	3	4	5
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g)	Maintain reliable electric service	1	2	3	4	5
h)	Minimize length through wetlands/floodplains	1	2	3	4	5
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k)	Minimize length across cropland	1	2	3	4	5
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m)	Minimize visibility of the line	1	2	3	4	5
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o)	Minimize length through grassland or pasture	1	2	3	4	5
p)	Maximize length through undeveloped land	1	2	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).

_____

_____

_____

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
31	_____
_____	_____
_____	_____

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
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b. Along roads/railroads	1	2	3
c. Along fence lines away from roads	1	2	3
d. Along section lines	1	2	3
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7. The PUC requires that several factors be considered when routing an electric transmission line, including:

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- Protected or endangered species

XCEL's consultant 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 help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
_____ b. Potential segment is across my land
_____ c. Potential segment is across land I farm
_____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: _____ Phone: (_____) _____
Address: _____
_____
Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail**.

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

Xcel Energy®
RESPONSIBLE BY NATURE™

State of _____

PERMISSION TO SURVEY

I, _____ of _____ County, State of _____, do hereby grant to Southwestern Public Service Company, a subsidiary of Xcel Energy, Inc. and its representatives, my permission and consent to enter upon the following described land, which is either owned and/or leased by me, for the purpose of making a survey for boundary determination, archeological inspections, cultural analysis, and soil sampling for a possible route for an electric transmission power line.

Section _____, Block/Township _____, Survey/Range _____, County_____

Tract Number(s): _____

Instructions: _____

_____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 2018

_____ Landowner

_____ Tenant

Xcel Energy®
RESPONSIBLE BY NATURE™

Power for the Plains

Siting and Land Rights
790 South Buchanan, 4th Floor
Amarillo, TX 79101
Telephone: (806) 378-2132
Facsimile: (806) 378-2142

PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

After you have visited the various display stations around the room and talked with the project representatives, please fill out this questionnaire and place it in the box marked questionnaires at the door before you leave. Your responses will help the utility company and Burns & McDonnell understand the community's concerns and better aid the project team as it incorporates the input received into the development of the route alternatives that will be submitted to the PUC for its consideration. Again, thank you for your time and interest.

1. Did you attend the open house meeting?

Yes X No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes X No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		RATINGS				
		Not Important		Somewhat Important		Very Important
a)	Maximize distance from residences	1	2	3	4	(5)
b)	Maximize distance from businesses	1	2	3	4	(5)
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	(5)
d)	Maximize length along existing transmission lines	1	2	(3)	4	5
e)	Maximize length along highways or other roads	1	2	(3)	4	5
f)	Maximize length along property boundary lines	1	2	(3)	4	5
g)	Maintain reliable electric service	1	2	3	(4)	5
h)	Minimize length through wetlands/floodplains	(1)	2	3	4	5
i)	Minimize crossing and paralleling of streams/ rivers	(1)	2	3	4	5
k)	Minimize length across cropland	1	2	3	4	(5)
l)	Minimize loss of trees	1	2	3	(4)	5
m)	Minimize visibility of the line	1	(2)	3	4	5
n)	Minimize total length of line (reduces cost of line)	1	2	3	(4)	5
o)	Minimize length through grassland or pasture	1	(2)	3	4	5
p)	Maximize length through undeveloped land	1	(2)	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	(5)

4. What other factors do you believe should be considered? (Continue on back if necessary).

_____

_____

_____

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
_____	_____
_____	_____
_____	_____

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	(1)	2	3
b. Along roads/railroads	1	(2)	3
c. Along fence lines away from roads	1	2	(3)
d. Along section lines	1	(2)	3
e. Along 1/2 section lines	1	2	(3)

7. The PUC 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/or recreational areas
- Proximity to Federal Aviation Administration-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

XCEL's consultant 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 X No____

Are you aware of any of these features that are not presently shown or are incorrectly located on the map?

Yes____ No X

If so, would you help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
__X__ b. Potential segment is across my land
_____ c. Potential segment is across land I farm
_____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	__X__ Yes	_____ No
Information provided	__X__ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: _____ Phone _____
Address: _____
_____
Email. _____

☒ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail.**

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

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790 South Buchanan, 4th Floor
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1. Did you attend the open house meeting?

Yes ✓ No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		RATINGS				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	5
b)	Maximize distance from businesses	1	2	3	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	5
d)	Maximize length along existing transmission lines	1	2	3	4	5
e)	Maximize length along highways or other roads	1	2	3	4	5
f)	Maximize length along property boundary lines	1	2	3	4	5
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h)	Minimize length through wetlands/floodplains	1	2	3	4	5
i)	Minimize crossing and paralleling of streams/ rivers	1	2	3	4	5
k)	Minimize length across cropland	1	2	3	4	5
l)	Minimize loss of trees	1	2	3	4	5
m)	Minimize visibility of the line	1	2	3	4	5
n)	Minimize total length of line (reduces cost of line)	1	2	3	4	5
o)	Minimize length through grassland or pasture	1	2	3	4	5
p)	Maximize length through undeveloped land	1	2	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).
Consideration of existing powerlines that already cross my land

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
31	

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	3
b. Along roads/railroads	(1)	2	3
c. Along fence lines away from roads	1	2	(3)
d. Along section lines	(1)	2	3
e. Along 1/2 section lines	1	2	(3)

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- Environmentally sensitive areas
- Protected or endangered species

XCEL's consultant 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 help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

   ____ a. Potential segment is near my home
   ✓ b. Potential segment is across my land
   ____ c. Potential segment is across land I farm
   ____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	____ Yes	✓ No
Information provided	✓ Yes	____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: _____ Phone: (____) _____

Address: _____

_____

Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail.**

ADDITIONAL COMMENTS OR QUESTIONS

_____

_____

_____

_____

_____

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1. Did you attend the open house meeting?

Yes X No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ✓ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

	FACTORS	**RATINGS**				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	(1)	2	3	4	5
b)	Maximize distance from businesses	(1)	2	3	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	(1)	2	3	4	5
d)	Maximize length along existing transmission lines	(1)	2	3	4	5
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m)	Minimize visibility of the line	(1)	2	3	4	5
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q)	Minimize impacts to archaeological and historic sites	1	(2)	3	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).

N/A

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
N/A	N/A

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

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7. The PUC requires that several factors be considered when routing an electric transmission line, including:

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   ___✓___ c. Potential segment is across land I farm
   _____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	___✓___ Yes	_____ No
Information provided	___✓___ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: [redacted] _____ Phone: [redacted]

Address: [redacted]

Email: N/A

☑ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail.**

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

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1. Did you attend the open house meeting?

Yes ✓ No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ✓ No ____

LINE ROUTING CONSIDERATIONS

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4. What other factors do you believe should be considered? (Continue on back if necessary).

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
40	land is in CRP, concerned about exaust starting a fire

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   ____✓ d. Other, please specify ____CRP____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	____✓ Yes	____ No
Information provided	____ Yes	____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

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1. Did you attend the open house meeting?

Yes ____ No ✓

2.. In your opinion, has the purpose and need for the project been adequately explained?

we did not attend

Yes ✓ No ____

LINE ROUTING CONSIDERATIONS

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Segment No.	Concern
_____	_____
_____	_____
_____	_____

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	3
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d. Along section lines	1	2	3
e. Along 1/2 section lines	1	2	3

7. The PUC 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
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- Agricultural areas irrigated by traveling irrigation systems
- Environmentally sensitive areas
- Protected or endangered species

XCEL's consultant 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 help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

   _____ a. Potential segment is near my home
   _____ b. Potential segment is across my land
   _____ c. Potential segment is across land I farm
   _____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: [redacted] Phone: [redacted]
Address: [redacted]
Email: [redacted]

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail**.

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

Xcel Energy®
RESPONSIBLE BY NATURE™

790 S. Buchanan
Amarillo, TX 79101
Telephone: 806.378.2713
Facsimile: 806.378.2142

July 31, 2018
(Via Mail)

Name
Address
City, State Zip

RE: Mustang to Seminole 115 kV Transmission Line Project

Dear Landowner:

Xcel Energy, Inc. (Xcel) is proposing to construct a new 115 kilovolt (kV) electric transmission line in Yoakum and Gaines County, Texas. The proposed Mustang to Seminole transmission line will be approximately 21 miles long, depending upon the route approved by the Public Utility Commission of Texas.

Due to new and growing loads that are depleting the capacity of the existing electrical transmission system in the Gaines and Yoakum County area, Xcel has developed a project that will add new transmission lines that will increase the capacity of the electrical transmission system in these areas. This project will also improve the reliability of the existing transmission system and will allow Xcel to grant service to the pending customer requests to add more load to the electrical transmission system.

The scope of work to be performed will be a proposed transmission line that will connect the existing Mustang Substation (located approximately 5.33 miles east of Denver City) to the proposed Seminole Substation (located approximately 4.91 miles northwest of Seminole).

At the present time, Xcel has conducted one landowner meeting in the Seminole area regarding this project. At the time of the meeting, Xcel had looked at several different scenarios for possible routes in the area. Since the meeting, the engineering department at Xcel has been able to do a study on the area. In the study, there were new route segments added to the project. For those of you that are new to the project, Xcel will be in direct contact with you to explain this project in greater detail and make sure we get your input on the project and any routing issues. Xcel has also included in this packet a Questionnaire form for you to provide any comments you have on the project that we will use as feedback. Also enclosed is a survey permission form, map, and landowner Bill of Rights. Once you have filled out the information, there is a prepaid return envelope that you can use to return the Survey Permission form and Questionnaire back in.

Xcel will do a further study and evaluate all the segments identified on the maps. From these segments Xcel will identify a preferred route with one or more alternate routes. Not all segments will be used.

If you have any questions, please contact Nisha Fleischman at (806) 378-2713. We encourage you to visit the project website, http://www.powerfortheplains.com/projects, to find more information.

Sincerely,

Nisha Fleischman

Nisha Fleischman
Xcel Energy
Enclosure

Existing Mustang Substation

Existing Seminole Substation

Yoakum County
Gaines County

CR 355 CR 380 CR 390 CR 435 CR 211 CR 425/205 CR 203 CR 217 CR 226 CR 224 CR 222 CR 219 CR 215 CR 218 CR 216 CR 126 CR 220 CR 207 CR 212 CR 210 CR 205 CR 209 FM 1757

83 214 62

1a 2a 3 4 6 12 13 16 17a 17b 18 19 20 21 22 24 25 26 27 28 30 32 33 36 37 38 39 40 41 43a 43b 43c 44 45 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1 Segment ID Label
Segment Endpoint
Preliminary Route Segment
Existing Transmission Line
Project Endpoint
Study Area

NORTH

0 0.5 1 2
Miles

Xcel Energy

BURNS McDONNELL

Mustang to Seminole
115-kV Transmission Line Project
Xcel Energy
Gaines & Yoakum Counties, Texas

Source: USGS, ESRI; Burns & McDonnell Engineering Company, Inc

Issued: 7/27/2018

Path: T:\ESP\Xcel\Mustang to Seminole 115-kV Project\Geospatial\DataFiles\ArcDocs\Public Meeting\Open_House_Landowner_Mailer_July2018.mxd gacox 7/27/2018

Siting and Land Rights
790 South Buchanan, 4th Floor
Amarillo, TX 79101
Telephone: (806) 378-2132
Facsimile: (806) 378-2142

PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

After you have visited the various display stations around the room and talked with the project representatives, please fill out this questionnaire and place it in the box marked questionnaires at the door before you leave. Your responses will help the utility company and Burns & McDonnell understand the community's concerns and better aid the project team as it incorporates the input received into the development of the route alternatives that will be submitted to the PUC for its consideration. Again, thank you for your time and interest.

1. Did you attend the open house meeting?

Yes ____ No ____

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		**RATINGS**				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	5
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l)	Minimize loss of trees	1	2	3	4	5
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p)	Maximize length through undeveloped land	1	2	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	5

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Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: _____ Phone: (_____) _____
Address: _____
_____
Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail**.

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

THE STATE OF TEXAS

LANDOWNER'S BILL OF RIGHTS

PREPARED BY THE

OFFICE OF THE
ATTORNEY GENERAL OF TEXAS

STATE OF TEXAS LANDOWNER'S BILL OF RIGHTS

This Landowner's Bill of Rights applies to any attempt by the government or a private entity to take your property. The contents of this Bill of Rights are prescribed by the Texas Legislature in Texas Government Code Sec. 402.031 and Chapter 21 of the Texas Property Code.

1. You are entitled to receive adequate compensation if your property is taken for a public use.

2. Your property can only be taken for a public use.

3. Your property can only be taken by a governmental entity or private entity authorized by law to do so.

4. The entity that wants to take your property must notify you that it wants to take your property.

5. The entity proposing to take 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 entity proposing to take your property must make a bona fide offer to buy the property before it files a lawsuit to condemn the property – which means 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 that includes three special commissioners. The special commissioners must determine the amount of compensation the condemning entity owes for the taking of 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 taking of your property was proper, you have the right to a trial by a judge or jury. If you are dissatisfied with the trial court's judgment, you may appeal that decision.

CONDEMNATION PROCEDURE

Eminent domain is the legal authority that certain entities are granted that allows those entities to take private property for a public use. Private property can include land and certain improvements that are on that property.

Private property may only be taken by a governmental entity or private entity that is authorized by law to do so. Your property may be taken only for a public purpose. That means it can only be taken for a purpose or use that serves the general public. Texas law prohibits condemnation authorities from taking your property to enhance tax revenues or foster economic development.

Your property cannot be taken without adequate compensation. Adequate compensation includes the market value of the property being taken. It may also include certain damages if your remaining property's market value is diminished by the acquisition itself or by the way the condemning entity will use the property.

HOW THE TAKING PROCESS BEGINS

The taking of private property by eminent domain must follow certain procedures. First, the entity that wants to condemn your property must provide you a copy of this Landowner's Bill of Rights before - or at the same time - the entity first represents to you that it possesses eminent domain authority.

Second, if it has not been previously provided, the condemning entity must send this Landowner's Bill of Rights to the last known address of the person who is listed as the property owner on the most recent tax roll. This requirement stipulates that the Landowner's Bill of Rights must be provided to the property owner at least seven days before the entity makes a final offer to acquire the property.

Third, the condemning entity must make a bona fide offer to purchase the property. The requirements for a bona fide offer are contained in Chapter 21 of the Texas Property Code. At the time a purchase offer is made, the condemning entity must disclose any appraisal reports it produced or acquired that relate specifically to the property and were prepared in the ten years preceding the date of the purchase offer. You have the right to discuss the offer with others and to either accept or reject the offer made by the condemning entity.

CONDEMNATION PROCEEDINGS

If you and the condemning entity do not agree on the value of your property, the entity may begin condemnation proceedings. Condemnation is the legal process that eligible entities utilize to take private property. It begins with a condemning entity filing a claim for your property in court. If you live in a county where part of the property being condemned is located, the claim must be filed in that county. Otherwise, the condemnation claim can be filed in any county where at least part of the property being condemned is located. The claim must describe the property being condemned, state with specificity the public use, state the name of the landowner, state that the landowner and the condemning entity were unable to agree on the value of the property, state that the condemning entity provided the landowner with the Landowner's Bill of Rights, and state that the condemning entity made a bona fide offer to acquire the property from the property owner voluntarily.

SPECIAL COMMISSIONERS' HEARING

After the condemning entity files a condemnation claim in court, the judge will appoint three local landowners to serve as special commissioners. The judge will give you a reasonable period to strike one of the special commissioners. If a commissioner is struck, the judge will appoint a replacement. These special commissioners must live 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 special commissioners are not legally authorized to decide whether the condemnation is necessary or if the public use is proper. Their role is limited to assessing adequate compensation for you. After being appointed, the special commissioners must schedule a hearing at the earliest practical time and place. The special commissioners are also required to give you written notice of the condemnation hearing.

You are required to provide the condemning entity any appraisal reports that were used to determine your claim about adequate compensation for the condemned property. Under a new law enacted in 2011, landowners' appraisal reports must be provided to the condemning entity either ten days after the landowner receives the report or three business days before the special commissioners' hearing - whichever is earlier. You may hire an appraiser or real estate professional to help you determine the value of your private property. Additionally, you can hire an attorney to represent you during condemnation proceedings.

At the condemnation hearing, the special commissioners will consider your evidence on the value of your condemned property, the damages to remaining property, any value added to the remaining property as a result of the condemnation, and the condemning entity's proposed use of your condemned property.

SPECIAL COMMISSIONERS' AWARD

After hearing evidence from all interested parties, the special commissioners will determine the amount of money that you should be awarded to adequately compensate you for your property. The special commissioners' decision is significant to you not only because it determines the amount that qualifies as adequate compensation, but also because it impacts who pays for the cost of the condemnation proceedings. Under the Texas Property Code, 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. However, if the special commissioners' award is more than the condemning entity offered to pay before the proceedings began, then the condemning entity will be responsible for the costs associated with the proceedings.

The special commissioners are required to provide the court that appointed them a written decision. That decision is called the "Award." The Award must be filed with the court and the court must send written notice of the Award to all parties. After the Award is filed, the condemning entity may take possession of the property being condemned, even if either party appeals the Award of the special commissioners. To take possession of the property, the condemning entity must either pay the amount of the Award or deposit the amount of the Award into the court's registry. You have the right to withdraw funds that are deposited into the registry of the court.

OBJECTION TO THE SPECIAL COMMISSIONERS' AWARD

If either the landowner or the condemning entity is dissatisfied with the amount of the Award, either party can formally object to the Award. In order to successfully make this valuation objection, it must be filed in writing with the court. If neither party timely objects to the special commissioners' Award, the court will adopt the Award as the final judgment of the court.

If a party timely objects to the special commissioners' Award, the court will hear the case in the same manner that other civil cases are heard. Landowners who object to the Award and ask the court to hear the matter have the right to a trial and can elect whether to have the case decided by a judge or jury. The allocation of any trial costs is decided in the same manner that costs are allocated with the special commissioners' Award. After trial, either party may appeal any judgment entered by the court.

DISMISSAL OF THE CONDEMNATION ACTION

A condemning entity may file a motion to dismiss the condemnation proceeding if it decides it no longer needs your condemned property. If the court grants the motion to dismiss, the case is over and you are entitled to recover reasonable and necessary fees for attorneys, appraisers, photographers, and for other expenses incurred to the date of the hearing on the motion to dismiss.

If you wish to challenge the condemning entity's authority to take your property, you can lodge that challenge by filing a motion to dismiss the condemnation proceeding. Such a motion to dismiss would allege that the condemning entity did not have the right to condemn your property. For example, a landowner could challenge the condemning entity's claim that it seeks to take the property for a public use. If the court grants the landowner's motion, the court may award the landowner reasonable and necessary fees for attorneys, appraisers, photographers, and for other expenses incurred to the date of the hearing or judgment.

RELOCATION COSTS

If you are displaced from your residence or place of business, you may be entitled to reimbursement for reasonable expenses incurred while moving personal property from the residence or relocating the business to a new site. However, during condemnation proceedings, reimbursement for relocation costs may not be available if those costs are separately recoverable under another law. Texas law limits the total amount of available relocation costs to the market value of the property being moved. Further, the law provides that moving costs are limited to the amount that a move would cost if it were within 50 miles.

RECLAMATION OPTIONS

If private property was condemned by a governmental entity, and the public use for which the property was acquired is canceled before that property is used for that public purpose, no actual progress is made toward the public use within ten years or the property becomes unnecessary for public use within ten years, landowners may have the right to repurchase the property for the price paid to the owner by the entity at the time the entity acquired the property through eminent domain.

DISCLAIMER

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.

ADDITIONAL RESOURCES

Further information regarding the procedures, timelines and requirements outlined in this document can be found in Chapter 21 of the Texas Property Code.

State of _____

PERMISSION TO SURVEY

I, _____of _____ County, State of _____, do hereby grant to Southwestern Public Service Company, a subsidiary of Xcel Energy, Inc. and its representatives, my permission and consent to enter upon the following described land, which is either owned and/or leased by me, for the purpose of making a survey for boundary determination, archeological inspections, cultural analysis, and soil sampling for a possible route for an electric transmission power line.

Section _____, Block/Township _____, Survey/Range _____, County_____

Tract Number(s): _____

Instructions: _____

_____

_____

_____

_____

_____

_____

_____

_____

Dated this _____day of _____, 2018

_____ Landowner

_____ Tenant

Xcel Energy®
RESPONSIBLE BY NATURE™

Power for the Plains

Siting and Land Rights
790 South Buchanan, 4th Floor
Amarillo, TX 79101
Telephone: (806) 378-2132
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PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

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1. Did you attend the open house meeting?

Yes ____ No ✓

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No ____

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

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4. What other factors do you believe should be considered? (Continue on back if necessary).

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5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
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Yes ✓ No ____

Are you aware of any of these features that are not presently shown or are incorrectly located on the map?

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If so, would you help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

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Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name. [redacted] Phone: [redacted]
Address: [redacted]
Email: _____

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail**.

ADDITIONAL COMMENTS OR QUESTIONS

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801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

After you have visited the various display stations around the room and talked with the project representatives, please fill out this questionnaire and place it in the box marked questionnaires at the door before you leave. Your responses will help the utility company and Burns & McDonnell understand the community's concerns and better aid the project team as it incorporates the input received into the development of the route alternatives that will be submitted to the PUC for its consideration. Again, thank you for your time and interest.

1. Did you attend the open house meeting?

Yes ____ No X

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes X No ____

LINE ROUTING CONSIDERATIONS

3: As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS		RATINGS				
		Not Important	----------	Somewhat Important	----------	Very Important
a)	Maximize distance from residences	1	2	3	4	5
b)	Maximize distance from businesses	1	2	3	4	5
c)	Maximize distance from public facilities (e.g., parks & schools)	1	2	3	4	5
d)	Maximize length along existing transmission lines	1	2	3	4	5
e)	Maximize length along highways or other roads	1	2	3	4	5
f)	Maximize length along property boundary lines	1	2	3	4	5
g)	Maintain reliable electric service	1	2	3	4	5
h)	Minimize length through wetlands/floodplains	1	2	3	4	5
i)	Minimize crossing and paralleling of streams/ rivers	1	2	3	4	5
k)	Minimize length across cropland	1	2	3	4	5
l)	Minimize loss of trees	1	2	3	4	5
m)	Minimize visibility of the line	1	2	3	4	5
n)	Minimize total length of line (reduces cost of line)	1	2	3	4	5
o)	Minimize length through grassland or pasture	1	2	3	4	5
p)	Maximize length through undeveloped land	1	2	3	4	5
q)	Minimize impacts to archaeological and historic sites	1	2	3	4	5

4. What other factors do you believe should be considered? (Continue on back if necessary).

_____

_____

_____

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
_____	_____
_____	_____
_____	_____

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	3
b. Along roads/railroads	1	2	3
c. Along fence lines away from roads	1	2	3
d. Along section lines	1	2	3
e. Along 1/2 section lines	1	2	3

7. The PUC 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/or recreational areas
- Proximity to Federal Aviation Administration-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

XCEL's consultant 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 X No____

Are you aware of any of these features that are not presently shown or are incorrectly located on the map?

Yes___ No X

If so, would you help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
__X__ b. Potential segment is across my land
_____ c. Potential segment is across land I farm
_____ d. Other, please specify _____

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: [redacted] Phone: [redacted]
Address: [redacted]
[redacted]
Email: [redacted]

☐ Please add my name to the project mailing list and contact me by (circle one) **e-mail** or **regular mail.**

ADDITIONAL COMMENTS OR QUESTIONS

_____
_____
_____
_____
_____

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

Xcel Energy®
RESPONSIBLE BY NATURE™

Power for the Plains

Siting and Land Rights
790 South Buchanan, 4th Floor
Amarillo, TX 79101
Telephone: (806) 378-2132
Facsimile: (806) 378-2142

PROPOSED MUSTANG TO SEMINOLE 115 kV TRANSMISSION LINE PROJECT PUBLIC OPEN HOUSE MEETING

TUESDAY
JUNE 19, 2018
5:00 PM – 7:00 PM
SEMINOLE COMMUNITY CENTER
801 N. MAIN STREET
SEMINOLE, TEXAS 79360

Welcome and thank you for taking the time to attend this public open-house meeting regarding the Proposed Xcel Energy Mustang to Seminole 115 kilovolt (kV) transmission line project. The purpose of the public meeting is to present information, receive your ideas and concerns, and answer your questions about the project. Before the electric utility and its routing consultant (Burns & McDonnell) make any final decisions concerning which potential routes will be filed by Xcel Energy for consideration by the Public Utility Commission of Texas (PUC), Xcel Energy and Burns & McDonnell would like to hear your opinion on several issues.

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1. Did you attend the open house meeting?

Yes ____ No X

2. In your opinion, has the purpose and need for the project been adequately explained?

Yes ____ No X

LINE ROUTING CONSIDERATIONS

3. As explained at one of the stations of the open-house, the routing of a transmission line involves many considerations. Please circle the number corresponding to the level of importance that each specific factor in the routing of the transmission line is to you (**Please circle only one number for each factor**).

FACTORS	RATINGS				
	Not Important	----------	Somewhat Important	----------	Very Important
a) Maximize distance from residences	1	2	(3)	4	5
b) Maximize distance from businesses	1	2	(3)	4	5
c) Maximize distance from public facilities (e.g., parks & schools)	1	2	(3)	4	5
d) Maximize length along existing transmission lines	(1)	2	3	4	5
e) Maximize length along highways or other roads	1	2	3	4	(5)
f) Maximize length along property boundary lines	1	2	3	4	(5)
g) Maintain reliable electric service	1	2	(3)	4	5
h) Minimize length through wetlands/floodplains	1	2	3	4	(5)
i) Minimize crossing and paralleling of streams/ rivers	1	2	3	4	(5)
k) Minimize length across cropland	1	2	3	4	(5)
l) Minimize loss of trees	1	2	3	4	5
m) Minimize visibility of the line	1	2	3	4	(5)
n) Minimize total length of line (reduces cost of line)	(1)	2	3	4	(5)
o) Minimize length through grassland or pasture	1	2	3	4	(5) (5)
p) Maximize length through undeveloped land	(1)	2	3	4	(5)
q) Minimize impacts to archaeological and historic sites	1	2	3	4	(5)

4. What other factors do you believe should be considered? (Continue on back if necessary).
WHY NOT BUILD A POWER PLANT IN SEMINOLE SO YOU DON'T HAVE TO KEEP ON STEALING OUR LAND !!! YOU ARE ALSO GETTING VERY NEAR NATIVE AMERICAN BURIAL SITES, AS I HAVE BEEN TOLD!

5. If you have a concern with a particular transmission line segment(s) shown on the display of potential routes, please indicate the segment number and describe your concern.

Segment No.	Concern
31	BEEN THERE DONE THIS! WHY NOT STEAL LAND ELSE WHERE !!!

6. The potential route segments cross several land use types and follow different land use features. Please rate the acceptability of a transmission line (T-line) in respect to each of the following locations from 1 (preferable) to 3 (unacceptable). Circle the appropriate number for each location.

	Preferable	Acceptable	Unacceptable
a. Along existing T-line right-of-way	1	2	(3)
b. Along roads/railroads	(1)	2	3
c. Along fence lines away from roads	(1)	2	3
d. Along section lines	1	(2)	3
e. Along 1/2 section lines	1	(2)	3

7. The PUC 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/or recreational areas
- Proximity to Federal Aviation Administration-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

XCEL's consultant 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 X HAVE NOT SEEN THIS MAP.

Are you aware of any of these features that are not presently shown or are incorrectly located on the map?

Yes___ No___ POSSIBLY

If so, would you help us identify the approximate location of any missing or incorrectly located features on the Environmental and Land Use Constraints Map by marking it on the maps at the Open House, mailing the information to us, or providing your contact information at the end of this questionnaire so that we can discuss the issue with you?

ADDITIONAL INFORMATION

8. Which of the following applies to your situation?

_____ a. Potential segment is near my home
__X__ b. Potential segment is across my land
_____ c. Potential segment is across land I farm
_____ d. Other, please specify YOU HAVE ALREADY HIT US ONCE + WE BENEFIT 0% FROM THIS LINE

9. Do you believe this meeting and the information provided was helpful for your understanding of the project?

NO, AS I DID NOT KNOW ABOUT THE MEETING TIL AFTER THE FACT!

Meeting	_____ Yes	_____ No
Information provided	_____ Yes	_____ No

10. OPTIONAL: Please enter your name and address below. (Names and addresses are **confidential**)

Name: [redacted] Phone: [redacted]
Address [redacted]
Email [redacted]

☒ Please add my name to the project mailing list and contact me by (circle one) ~~e-mail~~ or **regular mail**

ADDITIONAL COMMENTS OR QUESTIONS

It seems to me that Seminole needs their own power plant so that you AND US - don't have to keep doing this every few years. SEMINOLE IS GROWING !!!

Please turn in your completed questionnaire at this meeting or mail within three days to:

Nisha Fleischman
Xcel Energy, Siting and Land Rights Agent
790 South Buchanan, 4th Floor
Amarillo, Texas 79101

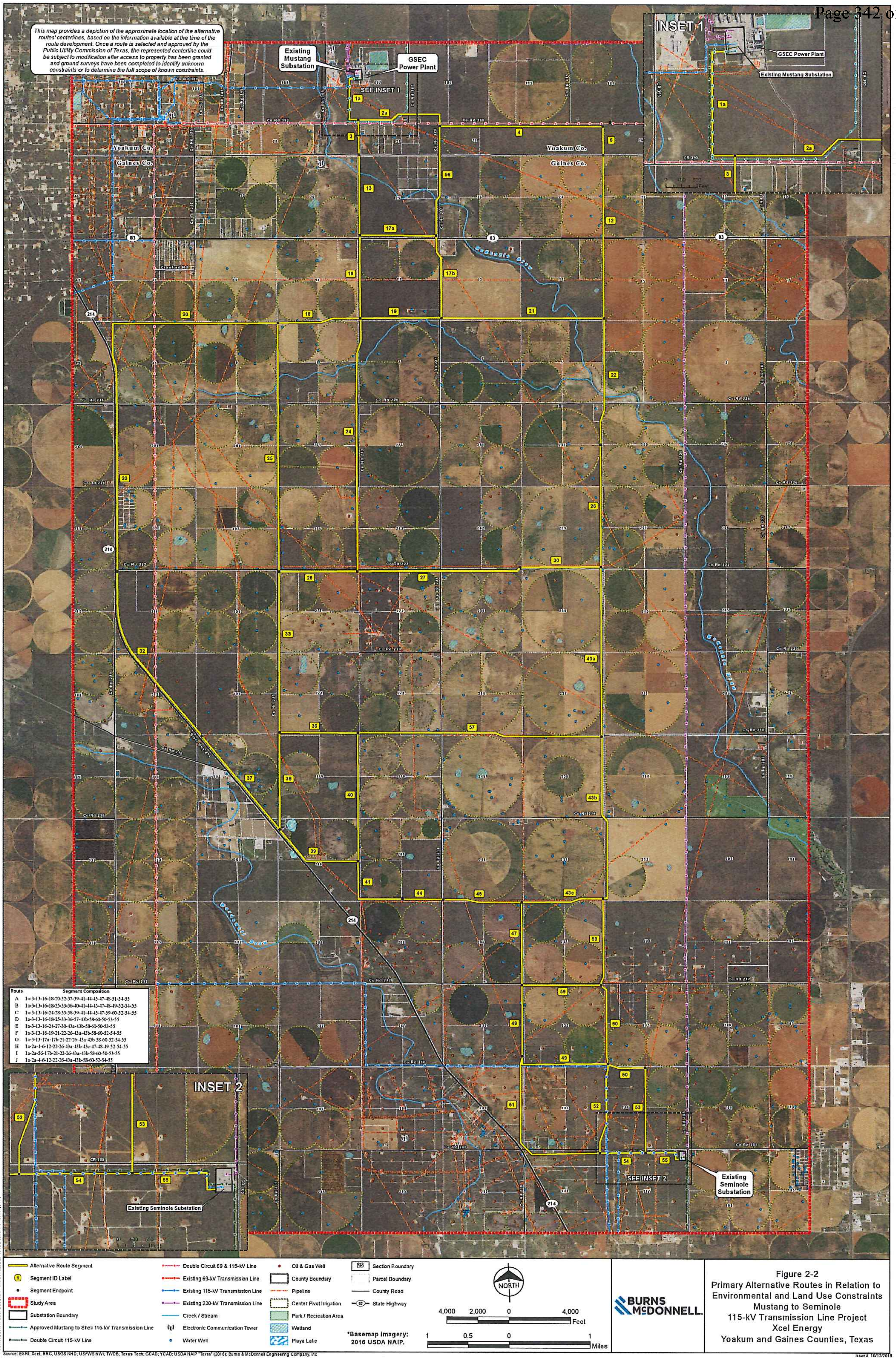
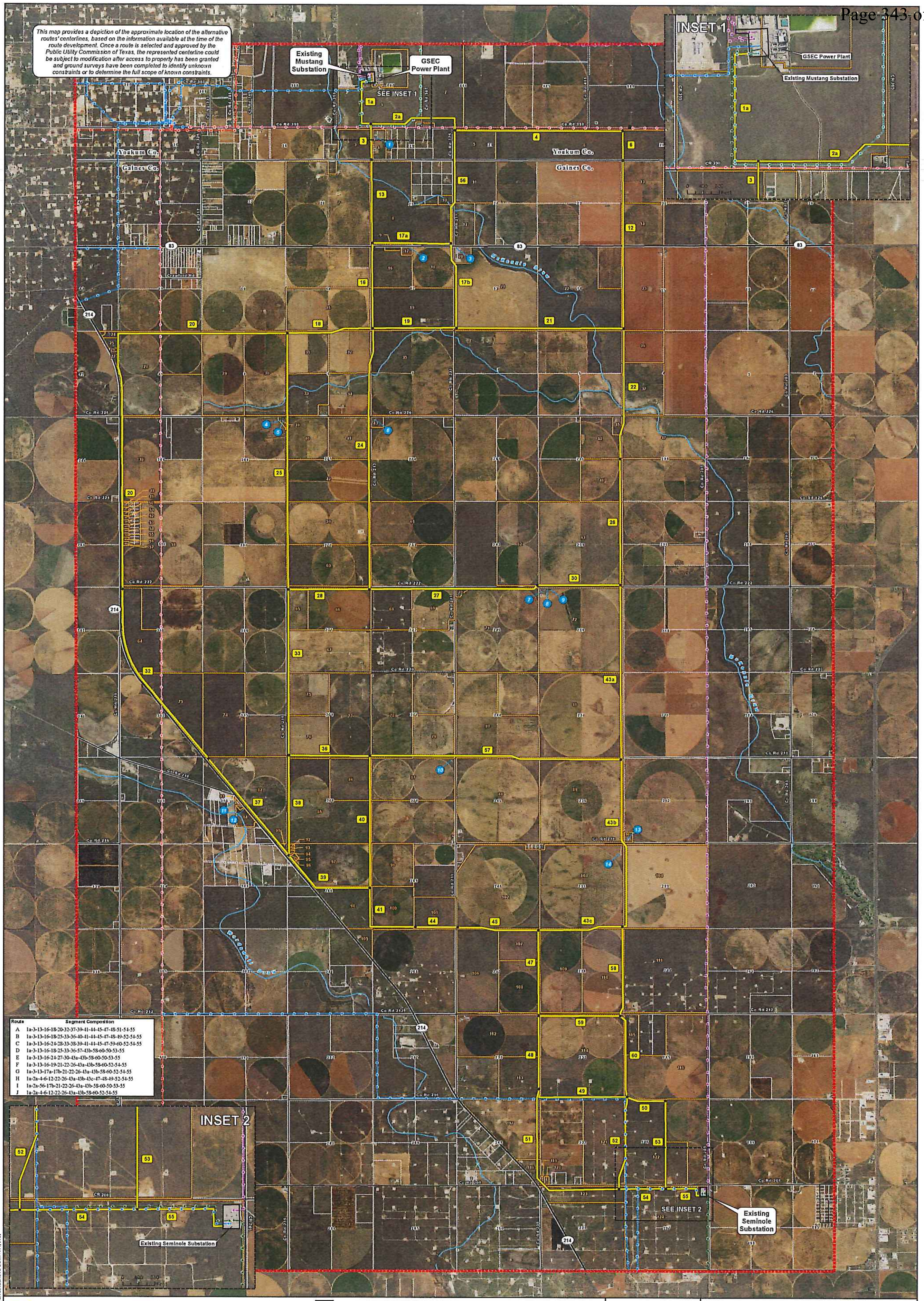


Figure 2-2
Primary Alternative Routes in Relation to Environmental and Land Use Constraints
Mustang to Seminole
115-kV Transmission Line Project
Xcel Energy
Yoakum and Gaines Counties, Texas

Source: ESRI; Xcel; RRC; USGS NHD; USFWS NWI; TWDB; Texas Tech; GCAD; YCAD; USDA NAIP "Texas" (2016); Burns & McDonnell Engineering Company, Inc.

Issued: 10/12/2018



Alternative Route Segment
Segment ID Label
Segment Endpoint
Habitable Structure ID
Directly Affected Tract / ID #'s
Study Area
Substation Boundary
Approved Mustang to Shell 115-kV Transmission Line
Double Circuit 115-kV Line
Double Circuit 69 & 115-kV Line
Existing 69-kV Transmission Line
Existing 115-kV Transmission Line
Existing 230-kV Transmission Line
Creek / Stream
County Boundary
Section Boundary
Parcel Boundary
County Road
State Highway

NORTH

4,000 2,000 0 4,000 Feet

1 0.5 0 1 Miles

*Basemap Imagery: 2016 USDA NAIP.

BURNS McDONNELL.

Figure 6-1
Habitable Structures, Other Land Use Features, and Directly Affected Properties in the Vicinity of the Primary Alternative Routes
Mustang to Seminole
115-kV Transmission Line Project
Xcel Energy
Yoakum and Gaines Counties, Texas

Source: ESRI; Xcel; RRC; USGS NHD; USFWS NWI; GCAD; YCAD; USDA NAIP "Texas" (2016); Burns & McDonnell Engineering Company, Inc

Issued: 10/12/2018

Date: 10/12/2018

CREATE AMAZING.

Burns & McDonnell
8911 North Capital of Texas Highway, Suite 4260
Austin, TX 78759
O 512-872-7130
F 512-872-7127
www.burnsmcd.com

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Mustang to Seminole CCN

Oversized Structure Drawings Page 1 of 9

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Mustang to Seminole CCN

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Mustang to Seminole CCN

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Docket No. 48724

Mustang to Seminole CCN

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Mustang to Seminole CCN

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Mustang to Seminole CCN

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Docket No. 48724

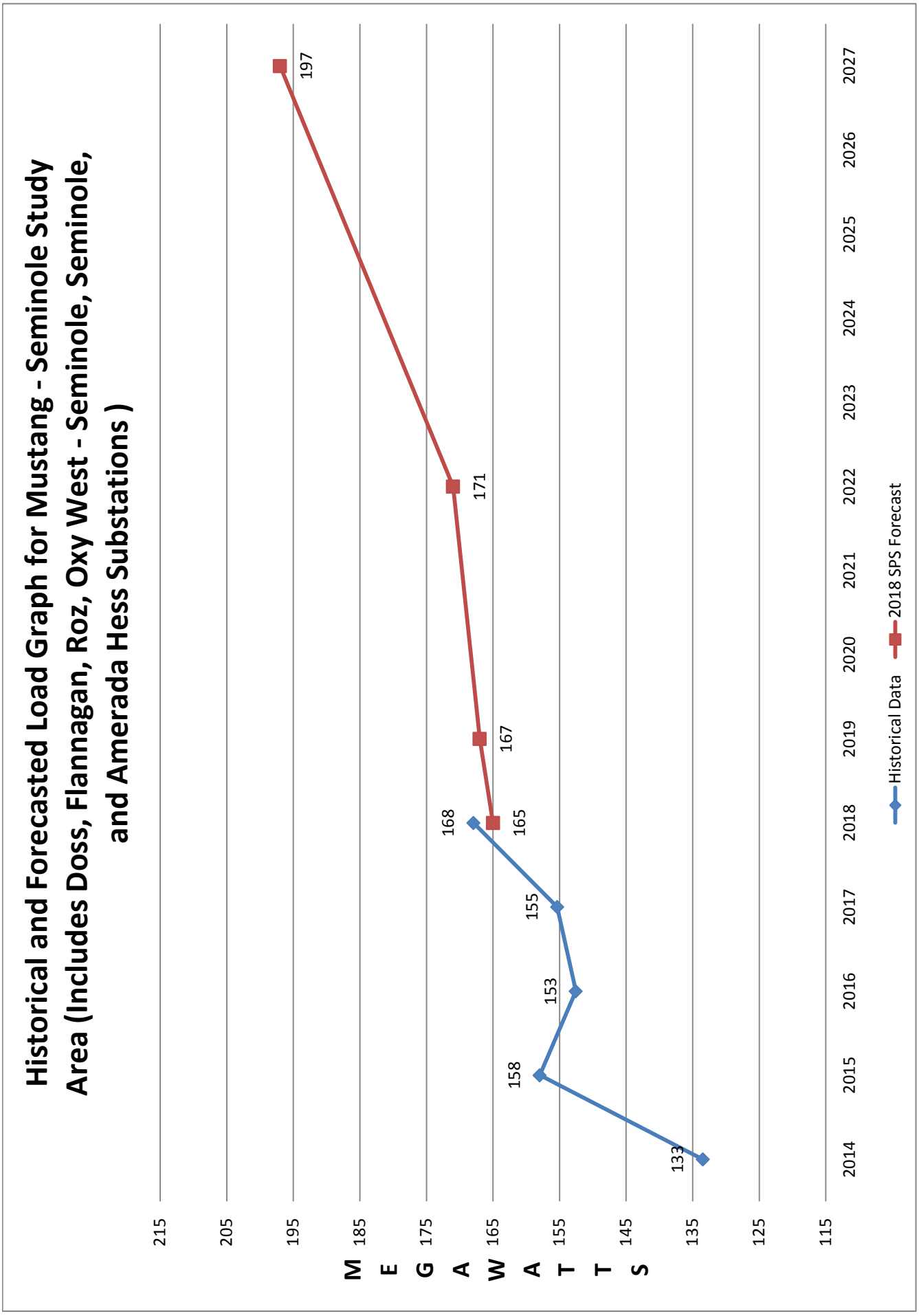
Mustang to Seminole CCN

Oversized Structure Drawings Page 9 of 9

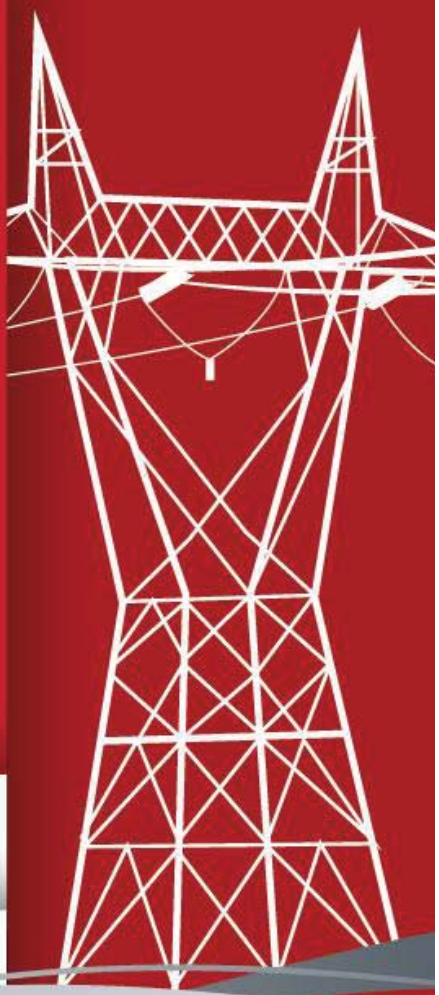
Docket No. 48724

Mustang to Seminole CCN

Mustang to Seminole Estimated Cost Table


Historical and Forecasted Load Graph for Mustang - Seminole Study Area (Includes Doss, Flannagan, Roz, Oxy West - Seminole, Seminole, and Amerada Hess Substations)
MEGAWATTS
215
205
195
185
175
165
155
145
135
125
115
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
197
171
167
168
165
155
153
158
133
Historical Data
2018 SPS Forecast

2016 INTEGRATED TRANSMISSION PLANNING NEAR-TERM ASSESSMENT



SPP Southwest Power Pool

April 19, 2016

ENGINEERING

REVISION HISTORY

Date	Author	Change Description
3/22/2016	SPP Staff	Initial Draft
3/29/2016	TWG	Incorporate Stakeholder Feedback
3/29/2016	TWG	TWG Approved
3/31/2016	SPP Staff	Incorporate Stakeholder Feedback and ATRR
4/12/2016	No change	MOPC approved recommendation
4/19/2016	SPP Staff	Updated Figure 6.9 – ITPNT Cost Allocation – Regional vs. Zonal Updated Figure 6.15 – Net Rate Impacts by Zone to include withdrawn NTCs
4/26/2016	SPP Staff	SPP Board of Directors Approved

SOUTHWEST POWER POOL, INC.

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SECTION 1: EXECUTIVE SUMMARY

SPP's Integrated Transmission Planning (ITP) process is an iterative study process that produces Near-Term, 10-year and 20-year Assessments every three years. In conjunction with SPP's highway/ byway cost-allocation methodology, the ITP process promotes transmission investments that meet reliability, economic and public policy needs. This report documents the ITP Near-Term (ITPNT) Assessment that will conclude in April 2016.

Key differences between the 2015 ITPNT Assessment and the current 2016 ITPNT include a significant increase in base case thermal and voltage needs, producing over three times the number of needs from the previous year. The increase in base case needs was driven, in part, by an increase in re-evaluation reviews during the 2016 ITPNT in accordance with Business Practice 7160. In order to justify the continued need for the projects and analyze other projects during this ITPNT Assessment, the re-evaluation projects were removed prior to the opening of the transmission planning response window. In addition, transmission operating guides were not applied prior to the Detailed Project Proposal (DPP) window to allow stakeholders the opportunity to provide them as solution submittals. Certain areas also experienced load growth from the 2015 ITPNT Assessment, such as Oklahoma and the Bakken Region, despite overall load growth lowering around two (2) gigawatts.

1.1: The Value of Transmission

Investments in transmission pay significant dividends to the SPP region over time. Between 2004 and 2016, SPP committed to more than $9.7B in upgrades to its transmission network. It is estimated these new and upgraded facilities will more than pay for themselves over their considerable lifespans, and have already begun to benefit SPP's stakeholders and their customers.

SPP's 2016 Value of Transmission report assessed the value of a particular set of transmission investments made in the region from 2012 to 2014 and found they had, on average, a benefit-to-cost ratio of 3.5-to-1. This conservative estimate — validated independently by The Brattle Group — demonstrates that the kinds of projects identified in this study generally pay for themselves in a matter of years and can provide net benefits of hundreds of millions of dollars over their useful life.

1.2: The ITPNT Process

The ITPNT Assessment is performed annually and considers system upgrades at all applicable transmission-voltage levels required to address reliability needs in the near-term planning horizon.

The ITPNT assesses:

- Regional upgrades required to maintain reliability in accordance with the North Electric Reliability Corporation (NERC) Reliability Standard TPL-001-4 P0 and P1 events and SPP Criteria in the near-term horizon.
- Zonal upgrades required to maintain reliability in accordance with company-specific planning criteria in the near-term horizon.
- Coordinated projects with neighboring Transmission Providers.

ITPNT projects are reviewed by SPP's Transmission Working Group (TWG) and the Markets and Operations Policy Committee (MOPC), and approved by the SPP Board of Directors (SPP Board). Following SPP Board approval, staff will issue Notification to Construct (NTC) letters for upgrades that require a financial commitment within the next four-year timeframe.

1.3: The 2016 ITPNT

The 2016 ITPNT included two scenario models — Scenarios 0 and 5 — built across multiple years and seasons to evaluate power flows across the grid and account for various system conditions across the near-term horizon. The Scenario models include firm only resources.

Scenario 0 (S0) contains projected transmission service between SPP legacy balancing authorities (BAs) and generation dispatch on the system. S0 emphasizes high conventional generation commitment and dispatch. Wind generation is accredited according to SPP Criteria.

Scenario 5 (S5) maximizes all applicable, confirmed, long-term, firm transmission service with its necessary generation dispatch. S5 emphasizes higher wind transfers. S5 sets all wind generation to maximum firm service, then all reservations between companies are set to maximum firm service as much as load will allow on a pro rata basis.

Additionally, SPP BA models have the same topology as Scenarios 0 and 5. The SPP BA models were built by performing a Security Constrained Economic Dispatch (SCED) on the Final ITPNT Scenario 0 models while treating SPP as a single balancing authority. The overall SPP interchange, DC ties, and generation outside of SPP were unchanged. Simulation of the market – includes both firm and non-firm resources based on economic dispatch across the system.

Voltage Class	Total Line (miles)	Rebuild/Reconductor (miles)
345 kV	107	0
230 kV	0	0
161 kV	0	0
138 kV	24	0
115 kV	92	55
69 kV	2	118

Table 1: 2016 ITPNT Project List Breakdown – Total Line Miles by Voltage Class

Voltage Class	New Transformer
345/230	1
345/138	1
345/115	2
230/115	6
138/69	1
115/69	2

Table 2: 2016 ITPNT Project List Breakdown – New Transformer by Voltage Class

The net total study cost of the 2016 ITPNT project plan is estimated to be $229.2M for upgrades that will receive an NTC, NTC-C or NTC Modify. Of that total, $362.6M comes from new projects identified in the 2016 ITPNT Assessment. Upgrades recommended for an NTC Modify account for a net change in cost of $6.8M of the total project plan cost. In addition, there was a total reduction of $140.2M for withdrawn NTCs.

These upgrades that will receive an NTC, NTC-C or NTC Modify solve 1,573 thermal and 2,982 voltage needs on the SPP transmission system.

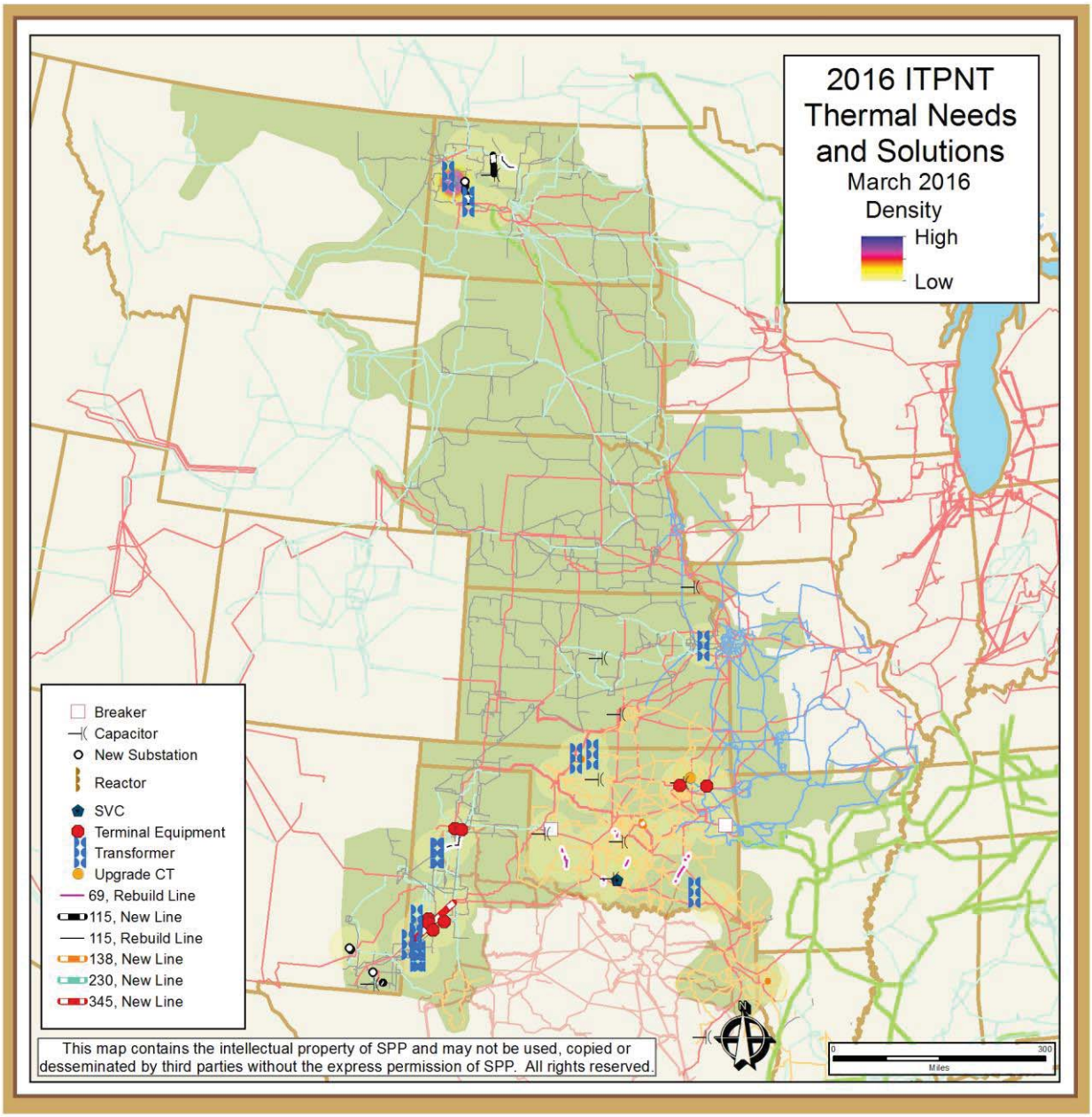


Figure 1.1: 2016 ITPNT Thermal Needs and Solutions

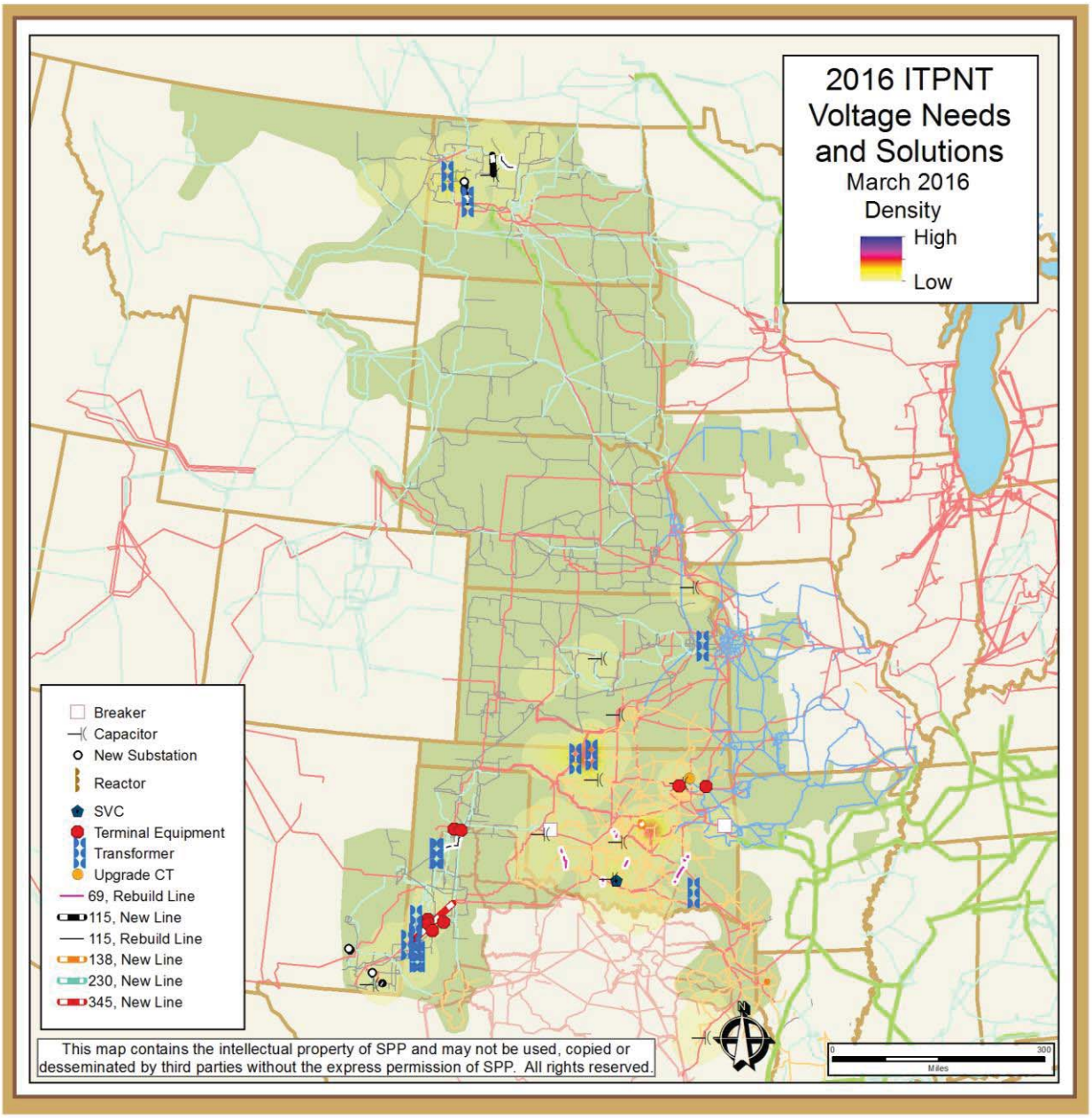


Figure 1.2: 2016 ITPNT Voltage Needs and Solutions

PART I: STUDY PROCESS

SECTION 2: INTRODUCTION

2.1: The ITP Near-Term

The ITPNT is designed to evaluate the near-term reliability of the SPP transmission system, identifying needed upgrades through stakeholder collaboration. The ITPNT focuses primarily on solutions required to meet the reliability criteria defined in the SPP Open Access Transmission Tariff (SPP Tariff), Attachment O, Section III.6. The process coordinates the ITP20, ITP10, Aggregate Studies (ATSS), Attachment AQ Studies (AQ) and the Generation Interconnection (GI) transmission plans by communicating potential solutions between processes and using common solutions when appropriate. Unlike the ITP10 and ITP20, the ITPNT is not intended to focus on economic or public policy solutions, or solutions based on a preferred voltage level but to effectively resolve potential reliability needs observed in the near-term horizon.

The 2016 ITPNT process produces a reliable, near-term plan for the SPP footprint, which identifies solutions to potential issues for system intact and single contingency (N-1) conditions using the following principles:

- Identifying potential, reliability-based problems (NERC Reliability Standard TPL-001-4 P0 and P1 events respecting SPP and company-specific criteria).
- Utilizing Transmission Operating Guides.
- Developing additional mitigation plans including transmission upgrades to meet the region's needs and maintain SPP and SPP Member reliability/planning standards.

The ITPNT process is open and transparent, allowing for stakeholder input throughout the assessment. Study results are coordinated with other entities, including those embedded within the SPP footprint and neighboring First Tier entities.

Goals

The goals of the ITPNT are to:

- Focus on local, regional, and interregional needs.
- Evaluate the response of the system to NERC Reliability Standard TPL-001-4 P0 and P1 events, with respect to SPP and company-specific criteria.
- Identify and analyze transmission-system needs over the 5-year horizon.

- Identify cost effective 69 kV and above solutions that achieve, but are not limited to, the following:
  - Resolve reliability criteria needs.
  - Improve access to markets.
  - Improve interconnections with SPP's neighbors.
  - Meet expected load-growth demands.
  - Facilitate or respond to expected facility retirements.
  - Synergize the ITPNT with the GI process, ATSS process, AQ process, and the ITP10 and ITP20 Assessments.

The 2016 ITPNT is intended to provide solutions to ensure the reliability of the transmission system during the study horizon, which includes modeling of the transmission system five years out (*i.e.*, 2020). The specific near-term requirements of Attachment O are:

- The Transmission Provider shall perform the Near-Term Assessment on an annual basis.
- The Near-Term Assessment will be performed on a shorter planning horizon than the 10-Year Assessment and shall focus primarily on identifying solutions required to meet the reliability criteria defined in Section III.6.
- The assessment study scope shall specify the methodology, criteria, assumptions and data to be used to develop the list of proposed near-term upgrades.
- The Transmission Provider, in consultation with the stakeholder working groups, shall finalize the assessment study scope. The study scope shall take into consideration the input requirements described in Section III.6.
- The assessment study scope shall be posted on the SPP website and will be included in the published annual SPP Transmission Expansion Plan (STEP) report.
- In accordance with the assessment study scope, the Transmission Provider shall analyze potential solutions, including those upgrades approved by the SPP Board from the most recent 20-Year Assessment and 10-Year Assessment, following the process set forth in Section III.8.

2.2: How to Read This Report

This report focuses on the years 2017 and 2020 and is divided into multiple sections.

- Part I addresses the concepts behind this study's approach, key procedural steps in development of the analysis and overarching assumptions used in the study.

- Part II addresses the specific results, describes the projects that merit consideration and contains recommendations and costs.
- Part III contains detailed data and holds the report's appendix material.

SPP Footprint

Within this study, any reference to the SPP footprint refers to the set of legacy Balancing Authority (SPP BA) and Transmission Owners (TO) whose transmission facilities are under the functional control of the SPP Regional Transmission Organization (RTO) unless otherwise noted.

Supporting Documents

The development of this study was guided by the supporting documents noted below. These documents provide structure for this assessment:

- SPP 2016 ITPNT Scope
- SPP ITP Manual

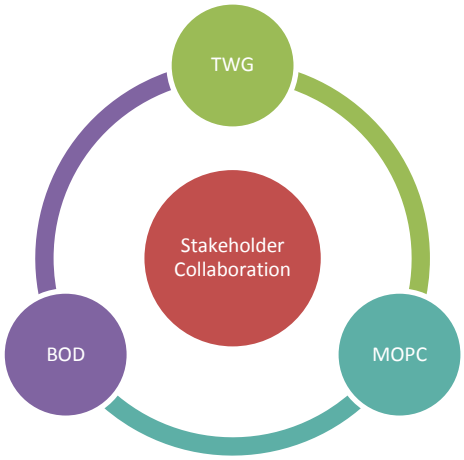
All referenced reports and documents contained in this report are available on SPP.org.

Confidentiality and Open Access

Proprietary information is frequently exchanged between SPP and its stakeholders in the course of any study and is extensively used during the ITP development process. This report does not contain confidential marketing data, pricing information, marketing strategies or other data considered not acceptable for release into the public domain. This report does disclose planning and operational matters, including the outcome of certain contingencies, operating transfer capabilities and plans for new facilities that are considered non-sensitive data.

SECTION 3: STAKEHOLDER COLLABORATION

Assumptions and procedures for the 2016 ITPNT analysis were developed through SPP stakeholder meetings that took place in 2014 and 2015. The assumptions were presented and discussed through a series of meetings with members, liaison members, industry specialists and consultants to facilitate a thorough evaluation. Groups involved in this development included the following:



- Transmission Working Group (TWG)
- Markets and Operations Policy Committee (MOPC)
- SPP board of directors (BOD)

SPP staff served as facilitators for these groups and worked closely with the chairmen to ensure all views were heard and that SPP's member-driven value proposition was followed.

The TWG provided technical guidance and review for inputs, assumptions and findings. Policy-level considerations were tendered to appropriate organizational groups including the MOPC. Stakeholder feedback was instrumental in the selection of the 2016 ITPNT projects.

The TWG was responsible for technical oversight of the load forecasts, transmission-topology inputs, constraint-selection criteria, reliability assessments, transmission-project designs, voltage studies and the report.

Planning Summits

In addition to the standard working group meetings, two transmission planning summits were conducted to elicit further input and provide stakeholders with a chance to interact with staff on all related planning topics.

Project Cost Overview

Conceptual Estimates were prepared by SPP staff based on historical cost information submitted by TOs through the project-tracking process. Refined cost estimates expected to be accurate within a ±30 percent bandwidth were then prepared by a third-party vendor. All cost estimates utilized in the 2016 ITPNT were developed in accordance with SPP Business Practice 7060, Notification to Construct and Project Cost Estimating Processes effective Jan. 1, 2012, and SPP Business Practice 7660, Upgrade Determination and Short-Term Reliability Project Process.

Use of Transmission Operating Guides (TOG)

TOGs are tools used to mitigate issues in the daily management of the transmission grid. TOGs may be used as alternatives to planned projects. TOGs were submitted during the transmission planning response window and evaluated in the ITPNT process to determine effectiveness in addressing thermal and voltage needs.

SECTION 4: STUDY DRIVERS

4.1: Introduction

Drivers for the 2016 ITPNT were discussed and developed through the stakeholder process in accordance with the 2016 ITPNT Scope and involved stakeholders from several diverse groups. Stakeholder load, generation and transmission were carefully considered in determining the need for, and design of, transmission solutions.

4.2: Load Outlook

Peak and Off-Peak Load

Future energy usage was forecasted by utilities in the SPP footprint and collected and reviewed through the efforts of the Model Development Working Group (MDWG). This assessment used summer peak, winter peak, and light load scenarios to assess the performance of the grid in peak and off-peak conditions.

Load Forecast

Load-Serving Entities provided the load forecast used in the reliability analysis study models through the MDWG model building process.

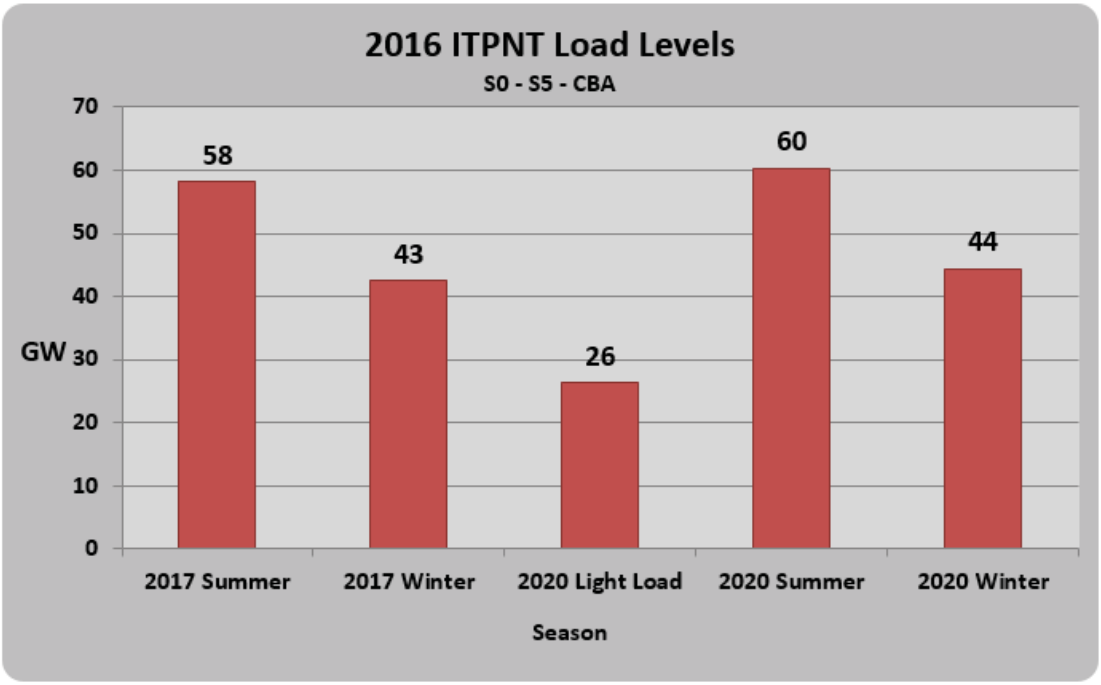


Figure 4.1: 2016 ITPNT Load Levels

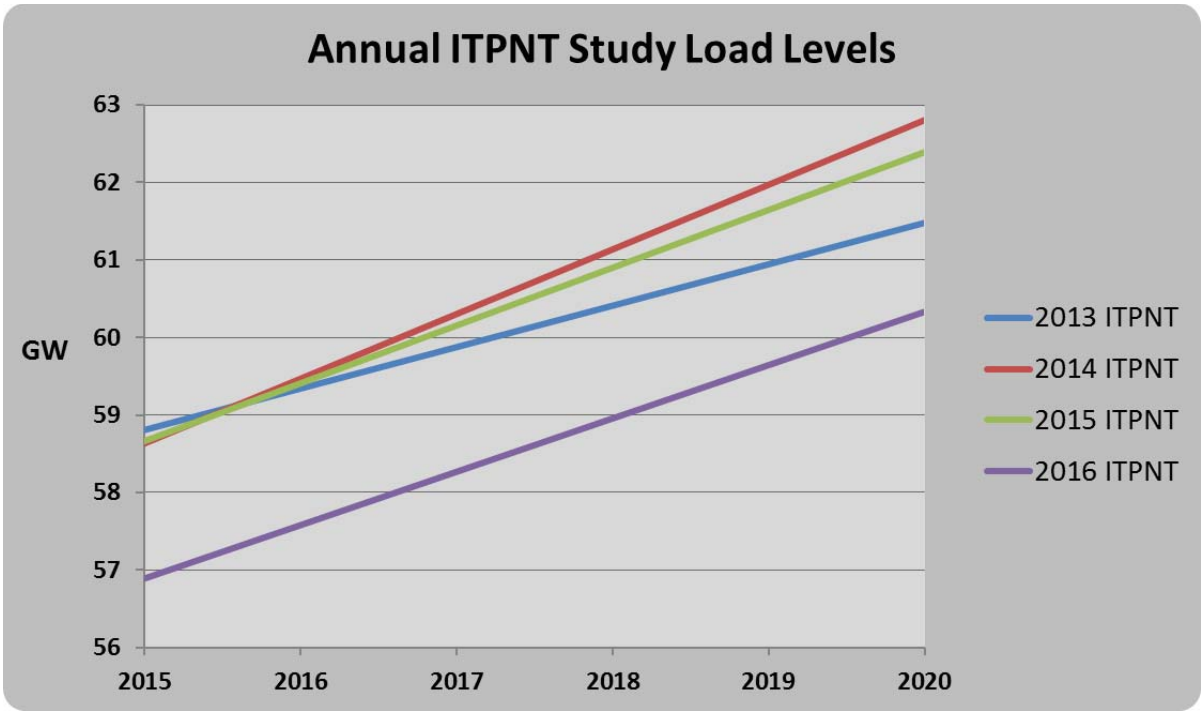


Figure 4.2: Annual ITPNT Study Load Levels (Each model series includes IS loads)

4.3: Generation

The three figures below show the difference between the S0, S5 and CBA Scenario models for each season. Note the significant difference in the wind output for the S5 models. The CBA Scenario dispatch methodology is discussed later in this report.

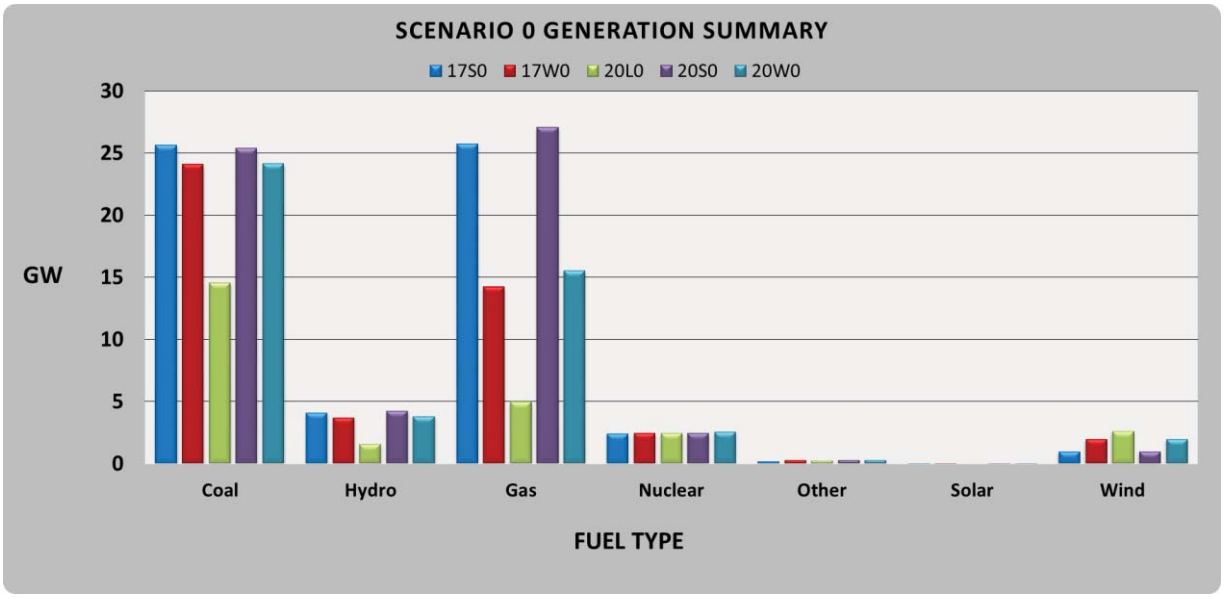


Figure 4.3: 2016 ITPNT Generation Mix S0

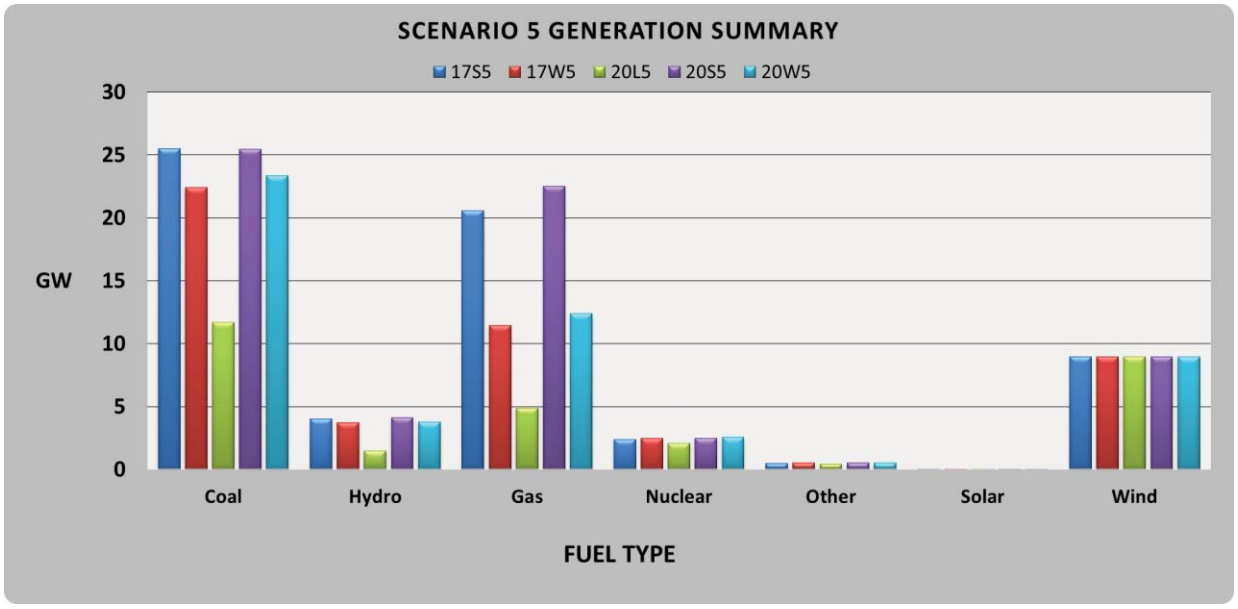


Figure 4.4: 2016 ITPNT Generation Mix S5

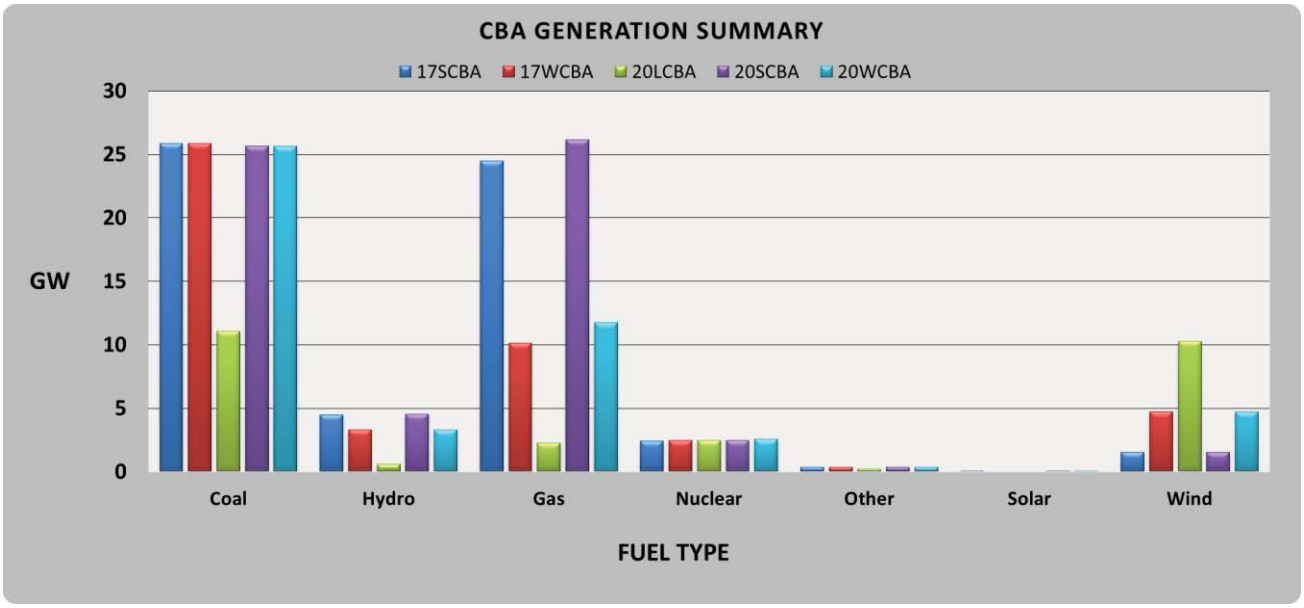


Figure 4.5: 2016 ITPNT BA Generation Mix

4.4: Utilization of Different Voltage Levels

EHV Design Considerations

When considering the design of an Extra High Voltage (EHV) grid, many factors must be considered, such as contingency planning, typical line lengths, line load ability, capacity requirements, voltage, reliability, cost, asset life and operational issues.

NERC N-1 Reliability Standards

SPP designs and operates its transmission system to be capable of withstanding the next transmission outage that may occur; this is called N-1 planning and is in accordance with NERC planning standards. Due to N-1 planning, any EHV network must be looped, so if one element of the EHV grid is lost, a parallel path will exist to move that power across the grid and avoid overloading the underlying transmission lines.

Voltage Support

A transmission line can either support voltage (produce Volt-Ampere Reactives (VAR)) or require voltage support from other reactive devices (consume VARs), depending on its loading level. In either case, transmission-system design should account for these factors. Under light-load conditions, system voltages may rise due to VARs being produced from long EHV lines.

Shunt reactors would be necessary to help mitigate the rise in voltage. Some lines may need additional support to allow more power to flow through them. Series capacitors may be added to increase the load ability of a transmission line. However, the addition of series compensation can complicate operations and may lead to stability concerns.

Construction Cost

Cost plays a factor in EHV grid design. Lower-voltage designs cost less to construct initially. Higher-voltage lines have a larger initial investment but provide significantly higher capacity and more flexibility in bulk power transport. Lower-voltage lines offer more flexibility to act as a collector system for wind generation. Along with the initial cost, the lifetime of the asset needs to be considered. Transmission lines are generally assumed to have a 40-year life.