Landowner List

Landowner or Entity Name	c/o	Address	City	State	Zip
Dundee Investments LLC		416 Travis St Ste 1200	Shreveport	LA	71101
Dos Viejos Amigos LLC		9 Tall Trl	Missouri City	TX	77459
Gentry Ranches Ltd		12235 Up River Rd	Corpus Christi	TX	78410
Gentry Ranches Ltd		PO Box 6330	Corpus Christi	TX	78466
Groenhuyzen Ranch Ltd	C/O RCAA Property Management, LLC	103 Willow Way	Victoria	TX	77904
Groenhuyzen Ranch Ltd	C/O RCAA Property Management, LLC	1174 Westpark Ave	Victoria	TX	77905
Helen C Atkınson Family Prop Ltd		PO Box 3336	Alice	TX	78333
Hinton Investments Inc	C/O Byron Hinton	289 Funf Kinder Rd	Fredericksburg	TX	78624
Hughes Ranches Ltd		PO Box 669	Beeville	TX	78104
Huie & Huie Farm & Ranch LLC		1524 FM 1349	Beeville	TX	78102
Hunter L D Family Partnership Ltd		PO Box 234	Beeville	TX	78104
Ilseng Ranch, Inc.		14730 Beal Dr	Corpus Christi	TX	78410
Intervale Capital, LLC		1221 McKinney St Ste 4100	Houston	TX	77010
Jack Meeks Properties LLC		PO Box 166	Whitsett	TX	78075
James R Dougherty Properties		PO Box 640	Beeville	тх	78104
JBS Ranch Properties Ltd		PO Box 2020	Beeville	TX	78104
JBS Ranch Properties Ltd		PO Box 600	Cuero	тх	77954
JGG Ranch Ltd	C/O Lost Lake LLC	133 E County Road 2150	Kıngsville	тх	78363
JJ Fox Construction Inc		PO Box 2708	Rockport	TX	78381
JLBA Properties LLC		5717 Ocean Drive	Corpus Christi	TX	78412
JM OBrien Family Ltd		PO Box 1052	Refugio	TX	78377
John A Rutkowski Family LP		678 Ridgeway Ln	Beeville	TX	78102
JSW 2012 Trust		PO Box 910	Beeville	TX	78104
K3 Cattle & Game Ranch LP		PO Box 8810	Corpus Christi	тх	78468
Kel-Lee Properties Inc		5156 Bus Hwy 181 N	Beeville	TX	78102
Kel-Lee Properties Inc		5156 Old Hwy 181 S	Beeville	TX	78102
Kenney Ranch Ltd		171 Fairway Ridge	Beeville	TX	78102
Ktd Properties LLC	C/O Kevin Dougherty	489 Stage Rd	Charlton	NY	12019
L D Hunter Family Partnership		PO Box 234	Beeville	тх	78104
Laguna Family Partnership, Ltd	C/O Superior Natural Gas Corp	1100 Louisiana Street, Ste 350	Houston	тх	77002
Lohse Farms	C/O Carroll W & William R Lohse	PO Box 608	Skidmore	TX	78389
Luker Partnership Ltd		326 Palmetto St	Corpus Christi	TX	78412
Luker Partnership Ltd		602 Monette Dr	Corpus Christi	TX	78412
Lyndon & Barbara Walker Investments LP		2134 Westminster Dr	Abilene	TX	79602
May Ranch II, LP		PO Box 90264	San Antonio	тх	78209
May Ranch LP		375 Morningside Drive	San Antonio	тх	78209
Mayhem Properties LLC		22918 Chaus Court	Katy	TX	77494
MC3 LLC		101 Millstone Rd	Broussard	LA	70518
McDuck Ranch Land LLC		PO Box 2950	San Antonio	TX	78299
Mesquite Lane Inc	C/O Reg Grant	2609 S Glenbrook Dr	Garland	TX	75041
MHW Operations Ltd	C/O Milton H West III	2000 Bering Dr., Ste. 260	Houston	TX	77057
National Oilwell Varco LP		7909 Parkwood Circle Dr	Houston	TX	77036
Old Medio Ranch LP		PO Box 2080	Beeville	TX	78104
Ordner Partnership, Ltd		2475 County Road 69	Robstown	TX	78380
Prescription Centers Inc		PO Box 59	Bayside	TX	78340

Landowner List

Landowner or Entity Name	c/o	Address	City	State	Zip
Quiroga Properties LLC		PO Box 1629	Beeville	TX	78104
R J Ranch Welder Ltd		100 W Olmos Dr	San Antonio	TX	78212
R J Welder Ranch Ltd		115 E Travis St Ste 900	San Antonio	TX	78205
Rancho Siete W LLC		285 Rio West Dr	El Paso	TX	79932
RFW Inc		19080 Nacogdoches Loop	Garden Ridge	TX	78266
RK Aguastaya TIC LLC		6519 Belmont Street	Houston	TX	77005
Sage Ranch LLC		6440 Oilfield Road	Sugar Land	TX	77479
Scott Family Ranch Ltd		PO Box 4573	Beeville	TX	78104
Shambo Holdings Ltd		PO Box 208	Mathis	TX	78368
Solus Christus Ltd		1631 Whispering Woods Trl	New Braunfels	TX	78132
Southwest Texas Land Holdings LLC		PO Box 50262	Austin	TX	78763
Southwestern Bell Tele Co	C/O Tax Dept	One SBC Center 36M01	St Louis	мо	63101
SS Ranch LP		PO Box 2389	Fulton	TX	78358
Stillwater Creek Ranch Properties		PO Box 4769	Corpus Christi	TX	78469
Superior Natural Gas Corporation		1100 Louisiana Street, Ste 350	Houston	TX	77002
Swaying Oak Farms & Enterprises LLC		PO Box 941	La Vernia	TX	78121
Taqueria Jalisco #2 Inc		2625 Nemec St	Corpus Christi	TX	78415
Texaco Producing Inc	C/O Chevron Texaco Prop Tax Dept	PO Box 285	Houston	TX	77001
Texas A & M Universtiy	C/O Cynthia Michalak	Systems Admin Bldg Room 9	College Station	TX	77843
Texas Catorce Ranch Ltd		1199 County Road 217	Weimar	TX	78962
The James W Staples Ranches Family LP		212 E Kings Lane	Tuleta	TX	78162
Traylor Land & Cattle Ltd		1235 North Loop West, Ste 205	Houston	TX	77008
Traylor Land & Cattle Ltd		600 Jefferson Ste 350	Houston	тх	78376
Triple C Outdoors LLC		PO Box 1458	Mont Belvieu	TX	77002
Wicker Family Properties Ltd		PO Box 880	Beeville	TX	78104



AEP Texas 400 W 15¹ Street, Suite 1620 Austin, TX 78701 aeptexas.com

BOUNDIESS FREKGY

April 5, 2019

<Name>

<Title>

Utility>

<Address>

<City, State, Zip>

Re: PUC Docket No. 49347

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

<Greeting:>

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificate of Convenience and Necessity (CCN) to construct a 138-kV electric transmission line in Live Oak and Bee Counties, Texas (Project).

The Project consists to two different transmission line segments. The first segment will begin at the existing AEP Texas Three Rivers Substation located northeast of the City of Three Rivers on State Highway 72 in Live Oak County, Texas. This segment of the Project will extend southeast until it reaches the proposed AEP Texas Borglum Substation to be located south of the City of Beeville on U.S. Highway 181 Business in Bee County, Texas. This portion of the Project is referred to as the Three Rivers to Borglum Segment, or the TRB Segment. The second segment of the Project will begin at the proposed Borglum Substation and will continue in a northerly direction until it reaches the existing AEP Texas Tuleta Substation located north of the community of Tuleta in Bee County. This portion of the Project is referred to as the Borglum to Tuleta Segment, or the BT Segment.

AEP Texas routing options for this Project range from approximately 28.32 miles to 46.70 miles for the TRB Segment, and 21.66 to 37.52 miles for the BT Segment. The estimated cost of the routing options ranges from approximately \$34.311 million to \$56.190 million for the TRB Segment, and \$39.539 million to \$63.635 million for the BT Segment. AEP Texas plans to construct the transmission line on steel single-pole structures.

AEP Texas has filed an application with the Public Utility Commission of Texas (PUC) in Docket No. 49347 - Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties (Application).

Persons who wish to intervene in the proceeding or comment upon the action sought should mail their requests to intervene or their comments (along with 10 copies) to the following address:

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

The deadline for intervention in the proceeding is May 20, 2019, and a letter requesting intervention should be received by the Public Utility Commission of Texas by that date.

A map illustrating AEP Texas routing options is enclosed for your review. Also enclosed is a written description of the routing links that make up the routes that have been filed with the Commission in AEP Texas CCN Application. Detailed routing maps may be reviewed on the internet at www.aeptexas.com/liveoak; or during normal library hours at:

Live Oak County Library 102 Le Roy St. Three Rivers, Texas

j

Joe Barnhart Bee County Library 110 W. Corpus Christi St. Beeville, Texas

The Commission has developed a brochure titled "Landowners and Transmission Line Cases at the PUC." Copies of the brochure are available from AEP Texas by calling Mel Eckhoff at (512) 391-2979, or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this case, contact the Public Utility Commission at (512) 936-7120 or (888) 782-8477. Hearing-and speech-impaired individuals with text telephones (TTY) may contact the PUC at (512) 936-7136 or toll free at (800) 735-2989.

If you have questions about the transmission line, you may contact AEP Texas Project team by phone at (844) 629-4296 or online at www.aeptexas.com/liveoak.

Sincerely,

Randal E. Roper

Regulatory Case Manager

Enclosures

Utilities Located Within Five Miles of Alternative Routes

South Texas Electric Cooperative, Inc.

Mike Kezar, General Manager P.O. Box 119 Nursery, TX 77976

Karnes Electric Cooperative, Inc.

Brad Bierstedt, General Manager 1007 N. Highway 123 Karnes City, TX 78118

San Patricio Electric Cooperative, Inc.

Ron Hughes, General Manager 402 E. Sinton St. Sinton, TX 78387



AEP Texas 400 W 15" Street Suite 1520 Austin, TX 78701 aeptexas.com

BOUNDLESS ENERGY

April 5, 2019

<Name>

<Title>

<Utility>

<Address>

<City, State, Zip>

Re: PUC Docket No. 49347

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

<Greeting:>

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificate of Convenience and Necessity (CCN) to construct a 138-kV electric transmission line in Live Oak and Bee Counties, Texas (Project).

The Project consists to two different transmission line segments. The first segment will begin at the existing AEP Texas Three Rivers Substation located northeast of the City of Three Rivers on State Highway 72 in Live Oak County, Texas. This segment of the Project will extend southeast until it reaches the proposed AEP Texas Borglum Substation to be located south of the City of Beeville on U.S. Highway 181 Business in Bee County, Texas. This portion of the Project is referred to as the Three Rivers to Borglum Segment, or the TRB Segment. The second segment of the Project will begin at the proposed Borglum Substation and will continue in a northerly direction until it reaches the existing AEP Texas Tuleta Substation located north of the community of Tuleta in Bee County. This portion of the Project is referred to as the Borglum to Tuleta Segment, or the BT Segment.

AEP Texas routing options for this Project range from approximately 28.32 miles to 46.70 miles for the TRB Segment, and 21.66 to 37.52 miles for the BT Segment. The estimated cost of the routing options ranges from approximately \$34.311 million to \$56.190 million for the TRB Segment, and \$39.539 million to \$63.635 million for the BT Segment. AEP Texas plans to construct the transmission line on steel single-pole structures.

AEP Texas has filed an application with the Public Utility Commission of Texas (PUC) in Docket No. 49347 - Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties (Application).

Persons who wish to intervene in the proceeding or comment upon the action sought should mail their requests to intervene or their comments (along with 10 copies) to the following address:

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

The deadline for intervention in the proceeding is May 20, 2019, and a letter requesting intervention should be received by the Public Utility Commission of Texas by that date.

A map illustrating AEP Texas routing options is enclosed for your review. Also enclosed is a written description of the routing links that make up the routes that have been filed with the Commission in AEP Texas CCN Application. Detailed routing maps may be reviewed on the internet at www.aeptexas.com/liveoak; or during normal library hours at:

Live Oak County Library 102 Le Roy St. Three Rivers, Texas Joe Barnhart Bee County Library 110 W. Corpus Christi St. Beeville, Texas

The Commission has developed a brochure titled "Landowners and Transmission Line Cases at the PUC." Copies of the brochure are available from AEP Texas by calling Mel Eckhoff at (512) 391-2979, or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this case, contact the Public Utility Commission at (512) 936-7120 or (888) 782-8477. Hearing-and speech-impaired individuals with text telephones (TTY) may contact the PUC at (512) 936-7136 or toll free at (800) 735-2989.

If you have questions about the transmission line, you may contact AEP Texas Project team by phone at (844) 629-4296 or online at www.aeptexas.com/liveoak.

Sincerely,

Randal E. Roper

Regulatory Case Manager

Enclosures

Live Oak County Officials

County Officials

Jim Huff

County Judge Live Oak County P.O. Box 487 George West, TX 78022

Richard Lee

County Commissioner Precinct 1 Live Oak County P.O. Box 487 George West, TX 78022

Donna Kopplin Mills

County Commissioner Precinct 2 Live Oak County P.O. Box 487 George West, TX 78022

Willie James

County Commissioner Precinct 3 Live Oak County P.O. Box 487 George West, TX 78022

Emilio Garza

County Commissioner Precinct 4 Live Oak County P.O. Box 1677 George West, TX 78022

Municipal Officials

City of Three Rivers

Sam Garcia, Mayor 105 Harborth Ave. Three Rivers, TX 78701

Bee County Officials

County Officials

Stephanie Moreno

County Judge Bee County 105 W. Corpus Christi Street, Rm. 305 Beeville, TX 78102

Carlos Salazar, Jr.

County Commissioner Precinct 1
Bee County
105 W. Corpus Christi Street, Rm. 105
Beeville, TX 78102

Dennis DeWitt

County Commissioner Precinct 2
Bee County
105 W. Corpus Christi Street, Rm. 104
Beeville, TX 78102

Sammy G. Farias

County Commissioner Precinct 3
Bee County
105 W. Corpus Christi Street, Rm. 107
Beeville, TX 78102

Kenneth Haggard

County Commissioner Precinct 4
Bee County
105 W. Corpus Christi Street, Rm. 106
Beeville, TX 78102

Municipal Officials

City of Beeville

Bebe Adamez, Mayor 400 N. Washington Beeville, TX 78102



AEP Texas
400 W 15¹ Street, Suite 1520
Austin TX 78701
aeptexas.com

BOUNDIESS ENFRGI

April 5, 2019

Department of Defense
Department of Defense Siting Clearinghouse
3400 Defense Pentagon
Room 5C646
Washington, DC 20301-3400

via email: osd.dod-siting-clearinghouse@mail.mil

Re: PUC Docket No. 49347

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificate of Convenience and Necessity (CCN) to construct a 138-kV electric transmission line in Live Oak and Bee Counties, Texas.

AEP Texas has filed an application with the Public Utility Commission of Texas (PUC) in Docket No. 49347 - Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties (Application).

Contact Information:

AEP Texas Inc.
Randal E. Roper
Regulatory Case Manager
400 W. 15th Street, Suite 1520
Austin, Texas 78701
(512) 481-4572
reroper@aep.com

Project Information:

AEP Texas Inc. 138-kV Transmission Line

Live Oak and Bee Counties, Texas

The project will be constructed using single-pole steel structures.

Height of Typical Structures: 90 to 110 feet above grade

Estimated Maximum Height of Structures: 110 feet above grade

Existing AEP Texas Inc. Three Rivers Substation: lat 28.481047 lon -98.157637 Proposed AEP Texas Inc. Borglum Substation: lat 28.378318 lon -97.734802 Existing AEP Texas Inc. Tuleta Substation: lat 28.597959 lon -97.788695

A map of the routing options included in the Application is attached.

If you have questions about the transmission line project, please contact AEP Texas Project representative Randal E. Roper.

Sincerely,

Randal E. Roper

Regulatory Case Manager

AEP Texas Inc. (512) 481-4572

Enclosures

PUC Docket No. 49347 Attachment 12a Page 1 of 17

Newspaper Publication

PUBLIC NOTICE

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificates of Convenience and Necessity (CCN) to construct a 138-kV transmission line in Live Oak and Bee Counties, Texas (Project). AEP Texas has filed an application with the Public Utility Commission of Texas (PUC) in Docket No. 49347 – Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties (Application).

The Project consists of two different transmission line segments. The first segment will begin at the existing AEP Texas Three Rivers Substation located northeast of the City of Three Rivers will extend southeast to the proposed AEP Texas Borglum Substation to be located south of the City of Beeville. This portion of the Project is referred to as the Three Rivers to Borglum Segment, or the TRB Segment. The second segment of the Project will begin at the proposed Borglum Substation and will continue in a northerly direction to the existing AEP Texas Tuleta Substation located north of the community of Tuleta. This portion of the Project is referred to as the Borglum to Tuleta Segment, or the BT Segment.

The AEP Texas routing options for this Project range from 28.32 miles to 46.70 miles for the TRB Segment, and 21.66 to 37.52 miles for the BT Segment. The estimated cost of the routing options ranges from approximately \$34.311 million to \$56.190 million for the TRB Segment, and \$39.539 million to \$63.635 million for the BT Segment. AEP Texas plans to construct the transmission line on steel single-pole structures.

Persons who are affected by the proposed transmission line and wish to intervene in the docket or comment on the AEP Texas CCN application should mail the original and 10 copies of their requests to intervene or their comments to:

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

The deadline for intervention in the proceeding is May 20, 2019; and the PUC should receive a letter from anyone requesting intervention by that date.

Persons who wish to intervene in the docket must also mail a copy of their request for intervention to all parties in the docket and all persons that have pending motions to intervene; at or before the time the request for intervention is mailed to the PUC.

The PUC emphasizes that the only way to fully participate in the PUC's decision on where to locate the transmission line is to intervene in the docket. It is important for an affected person to intervene because the utility is not obligated to keep affected persons informed of the PUC's proceedings and cannot predict which route may or may not be approved by the PUC.

In addition to the intervention deadline, other important deadlines may already exist that affect your participation in this docket. You should review the orders and other filings that have already been made in the docket.

The PUC has developed a brochure titled Landowners and Transmission Line Cases at the PUC. Copies of the brochure are available from AEP TCC by calling Mel Eckhoff at (512) 391-2979 or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this docket, you may contact the PUC's Customer Assistance Hotline at (512) 936-7120 or (888) 782-8477. Hearing-and speech-impaired individuals with text telephones (TTY) may contact the PUC's Customer Assistance Hotline at (512) 936-7136 or toll free at (800) 735-2989.

Persons questions about the transmission line, you may contact AEP Texas Project team by phone at (844) 629-4296 or online at www.aeptexas.com/liveoak.

Detailed routing maps may be reviewed online at www.aeptexas.com/liveoak; or during normal library hours at the Live Oak County Library, 102 Le Roy St. in Three Rivers, Texas; or at the Joe Barnhart Bee County Library, 110 W. Corpus Christi St. in Beeville, Texas.

The PUC will make the final determination of which route will be approved for this transmission line project. Any one of the proposed routes or any other combination of the routing links could be approved by the PUC. All routes and route links included in this notice are available for selection and approval by the Public Utility Commission of Texas.

AEP Texas has presented 21 different link combinations for the TRB Segment from Three Rivers to Borglum, and 11 different link combinations for the BT Segment from Borglum to Tuleta.

The following table lists the link combinations that make up AEP Texas TRB Routes.

TRB Routes	Links
TRB 1	J-T6-N-V-E1-M1-V1-Y1-J2-E3-L3-I3-Q3-V3-O6
TRB 2	J-T6-N-V-E1-M1-O1-U1-Y1-J2-E3-F3-J3-I3-Q3-V3-O6
TRB 3	J-T6-N-V-C1-D1-L1-R1-A2-K2-E3-F3-H3-G3-Q3-V3-O6-
TRB 4	A-C-H-Q6-R6-T6-N-V-C1-D1-F1-J1-K1-P1-X1-A2-F2-I2-N2-Q2-D3-L3-I3-Q3-V3-O6
TRB 5	J-T6-N-B6-R-T-Y-J1-K1-R1-Z1-B2-G2-N2-U2-V2-W2-H3-J3-I3-Q3-V3-O6
TRB 6	J-T6-O-R-T-Y-J1-K1-R1-Z1-B2-E2-R2-T2-B3-K3-R3-T3-U3-P6-V3-O6
TRB 7	A-C-H-Q6-S6-U6-P-T-Y-J1-K1-R1-A2-F2-M2-O2-U2-V2-W2-G3-Q3-V3-O6
TRB 8	A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6-
TRB 9	A-B-H-K-M-P-T-Z-I1-M1-O1-S1-W1-J2-E3-F3-H3-G3-Q3-V3-O6
TRB 10	A-B-H-K-Q-U-Y-J1-K1-R1-A2-F2-I2-N2-U2-X2-L3-I3-Q3-V3-O6
TRB 11	A-C-H-K-Q-S-X-A1-G1-K1-R1-A2-F2-M2-P2-D3-L3-I3-Q3-V3-O6
TRB 12	A-C-H-K-Q-S-X-A1-H1-Q1-B2-E2-H2-L2-A3-B3-Z2-C3-M3-P3-R3-T3-U3-H6-E6-N6-O6
TRB 13	A-C-H-K-Q-S-X-A1-H1-N1-C2-R2-S2-W2-G3-Q3-V3-O6
TRB 14	A-B-H-K-Q-S-W-A1-H1-N1-C2-H2-L2-Y2-C3-M3-O3-S3-T3-W3-J6-M6-E6-F6-Y3
TRB 15	A-B-H-K-Q-S-W-A1-H1-N1-D2-L2-Y2-C3-N3-A4-B4-J6-K6-I6-Y3
TRB 16	J-T6-N-V-E1-M1-O1-S1-T1-X1-Z1-B2-E2-H2-L2-A3-B3-K3-R3-T3-W3-J6-K6-I6-Y3
TRB 17	A-C-H-L-U6-P-T-Y-J1-K1-R1-Z1-B2-E2-H2-L2-A3-B3-K3-R3-T3-U3-P6-V3-O6
TRB 18	A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-J3-I3-Q3-V3-O6
TRB 19	A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-M2-P2-D3-F3-H3-G3-Q3-V3-O6
TRB 20	A-C-H-L-U6-P-T-Y-J1-K1-R1-A2-F2-I2-N2-U2-V2-W2-G3-Q3-V3-O6
TRB 21	A-C-H-L-U6-P-T-Y-J1-K1-R1-Z1-B2-E2-R2-S2-W2-G3-Q3-V3-O6

The following narrative describing the links, along with the enclosed map that shows these links, provides a detailed description of the links that form the 21 TRB Routes.

LINK A

Link A begins at the Three Rivers Substation, on the south side of SH 72 in Live Oak County. The link travels southwest for approximately 0.03 mile until it reaches the intersection with Links B and C.

LINK B

Link B begins at the intersection with Links A and C. The link travels southwest for approximately 0.11 mile and turns to the east for approximately 0.39 mile. The link terminates at the intersection with Links C and H.

LINK C

Link C begins at the intersection with Links A and B. The link travels to the east-southeast for approximately 0.38 mile. The link terminates at the intersection with Links B and H. This link is a rebuild of the existing 69-kV transmission line.

LINK H

Link H begins at the intersection with Links B and C. The link travels to the east-southeast for approximately 0.05 mile. The link terminates at the intersection with Links L, K, and Q6. This link is a rebuild of the existing 69-kV transmission line.

LINK J

Link J begins at the existing Three Rivers Substation, on the south side of SH 72. The link travels to the north for approximately 0.03 mile. The link then angles to the northeast for approximately 0.21 mile, paralleling the south side of SH 72. The link then angles to the east for approximately 0.20 mile and angles to the northeast for approximately 0.09 mile. The link angles to the east for approximately 0.94 mile, crossing Rock Quarry Branch Stream. The link terminates at the intersection with Links R6 and T6, on the south side of IH 37.

PUC Docket No. 49347 Attachment 12a Page 3 of 17

LINK K

Link K begins at the intersection with Links H, L, and Q6. The link travels to the south for approximately 0.54 mile. The link turns to the east for approximately 1.66 miles, crossing Rock Quarry Branch stream. The link terminates at the intersection with Links M and Q.

LINK L

Link L begins at the intersection with Links H, K, and Q6. The link travels to the east-southeast for approximately 0.97 mile. The link terminates at the intersection with Links S6 and U6. This link is a rebuild of the existing 69-kV transmission line.

LINK M

Link M begins at the intersection with Links K and Q. The link travels to the northeast for approximately 0.21 mile. The link terminates at the intersection of Links P and U6, on the west side of IH 37.

LINK N

Link N begins at the intersection with Links O and T6. The link travels to the north-northwest for approximately 0.20 mile and angles to the northeast for approximately 0.23 mile. The link angles to the east for approximately 4.79 miles, crossing Sulphur Creek and Salt Branch Stream. The link turns to the south for approximately 0.07 mile. The link terminates at the intersection with Links V and B6.

LINK O

Link O begins at the intersection with Links N and T6. The link travels to the southeast for approximately 0.25 mile. The link angles east for approximately 0.54 mile, then angles east-northeast for approximately 0.42 mile, and then angles east-southeast for approximately 0.66 mile, crossing Sulphur Creek and Salt Branch Stream. The segment then angles east for approximately 0.66 mile. The link angles east-southeast for approximately 0.61 mile. The link angles to the southeast for approximately 0.11 mile, crossing Salt Branch Stream. The link then angles slightly to the east for approximately 0.92 mile. The link turns to the north for approximately 0.11 mile and turns to the east for approximately 0.83 mile. The link terminates at the intersection with Links R and B6.

LINK P

Link P begins at the intersection with Links M and U6, on the west side of IH 37. The link travels to the southeast for approximately 0.22 mile. The link angles to the northeast for approximately 0.10 mile, crossing IH 37. The link angles southeast for approximately 0.10 mile, and angles to the east-southeast for approximately 3.15 miles, crossing Sulphur Creek. The link angles to the east-southeast for approximately 0.03 mile, crossing FM 1358, and turns to the northeast for approximately 0.10 mile. The link angles southeast for approximately 2.20 miles. The link terminates at the intersection with Links R and T. This link is a rebuild of an existing 69-kV transmission line.

LINK Q

Link Q begins at the intersection with Links K and M. The link travels to the south for approximately 0.90 mile. The link angles to the south-southeast for approximately 0.56 mile, crossing Sulphur Creek twice. The link then angles back to the southeast for approximately 0.95 mile, crossing Sulphur Creek again. The link turns to the northeast for approximately 0.42 mile and turns to the southeast, paralleling the west side of IH 37 for approximately 1.04 miles. The link turns to the northeast for approximately 0.10 mile, crossing IH 37 and angles to the north-northeast for approximately 1.15 miles. The link turns to the southeast for approximately 1.13 miles and angles south-southeast for approximately 0.17 mile. The link angles to the southeast for approximately 0.31 mile and turns to the northeast for approximately 1.11 miles. The link terminates at the intersection with Links S and U.

LINK R

Link R begins at the intersection of Links O and B6. The link travels to the southeast for approximately 0.61 mile, and angles to the south-southeast for approximately 0.38 mile, crossing FM 1358. The link angles to the east for approximately 0.09 mile, and angles to the southeast for approximately 0.68 mile. The link terminates at the intersection with Links P and T.

LINK S

Link S begins at the intersection of Links Q and U. The link travels to the southeast for approximately 0.44 mile, crossing FM 799. The link terminates at the intersection of Links W and X, on the east side of FM 799.

LINK T

Link T begins at the intersection of Links P and R. The link travels to the east-southeast for approximately 1.78 miles. The link terminates at the intersection of Links U, Y, and Z. This link is a rebuild of an existing 69-kV transmission line.

PUC Docket No. 49347 Attachment 12a Page 4 of 17

LINK U

Link U begins at the intersection with Links Q and S. The link travels to the northeast for approximately 0.52 mile, and angles to the east-northeast for approximately 0.13 mile, crossing FM 1203. The link angles to the north-northeast for approximately 0.28 mile, and angles to the northeast for approximately 0.98 mile. The link turns to the west-northwest for approximately 0.17 mile. The link turns to the northeast for approximately 1.10 miles. The link terminates at the intersection with Links T, Y, and Z.

LINK V

Link V begins at the intersection with Links N and B6. The link travels to the east for approximately 0.65 mile and angles to the southeast for approximately 0.21 mile. The link angles to the northeast for approximately 0.19 mile and angles to the east for 0.59 mile. The link angles to the northeast for approximately 0.13 mile, and angles to the east-northeast for approximately 0.33 mile. The link angles to the north-northeast for approximately 0.10 mile, crossing FM 1358, and angles to the northeast for approximately 0.49 mile. The link angles to the southeast for approximately 0.51 mile. The link turns to the northeast for approximately 0.18 mile and turns to the southeast for approximately 0.48 mile. The link angles to the east-northeast for approximately 0.27 mile, crossing from Live Oak County into Bee County. The link angles to the south-southeast for approximately 0.10 mile and angles to the east-northeast for approximately 0.42 mile. The link terminates at the intersection with Link C1 and E1.

LINK W

Link W begins at the intersection with Links S and X, on the east side of FM 799. The travels to the southwest for approximately 0.33 mile, paralleling the east side of FM 799. The link turns to the southeast for approximately 2.28 miles and turns to the north-northeast for approximately 1.45 miles. The link terminates at the intersection with Links X and A1.

LINK X

Link X begins at the intersection of Links S and W, on the east side of FM 799. The link travels to the northeast for approximately 1.28 miles, paralleling the east side of FM 799 following the curve of the road. The link angles to the east for 0.20 mile. The link angles to the southeast for approximately 1.73 miles. The link terminates at the intersection of Links W and A1.

LINK Y

Link Y begins at the intersection of Links T, U, and Z. The link travels to the east for approximately 0.37 mile. The link angles to the east-southeast for approximately 2.21 miles, crossing from Live Oak County into Bee County. The link terminates at the intersection with Links F1 and J1 in Bee County. This link is a rebuild of an existing 69-kV transmission line.

LINK Z

Link Z begins at the intersection with Links T, U, and Y. The link travels to the northeast for approximately 0.48 mile. The link angles to the east-northeast for approximately 1.63 miles, crossing from Live Oak County into Bee County. The link terminates at the intersection with Links D1, C1, and I1.

LINK A1

Link A1 begins at the intersection with Links X and W. The link travels to the northeast for approximately 0.65 mile. The link terminates at the intersection with Links G1 and H1.

LINK CI

Link C1 begins at the intersection with Links V and E1. The link travels to the south-southeast for approximately 0.46 mile, and then angles south-approximately 0.12 mile. The segment then angles south-southeast for approximately 0.95 mile. The link terminates at the intersection with Links Z, I1, and D1.

LINK D1

Link D1 begins at the intersection with Links Z, C1, and I1. The link travels to the south-southeast for approximately 1.52 miles. The link terminates at the intersection with Links F1 and L1.

LINK E1

Link E1 begins at the intersection with Links V and C1. The link travels to the east-northeast for approximately 1.90 miles. The link turns to the southeast for approximately 1.41 miles. The link terminates at the intersection with Links I1 and M1.

LINK F1

Link F1 begins at the intersection with Links D1 and L1. The link travels to the south-southeast for approximately 0.28 mile. The link terminates at the intersection with Links Y and J1.

LINK G1

Link G1 begins at the intersection with Links A1 and H1. The link travels to the northeast for approximately 0.32 mile and turns to the northwest for approximately 0.14 mile, and angles to the north-northwest for approximately 0.06 mile, crossing FM 799. The link turns to the northeast for approximately 1.45 miles, paralleling the north side of FM 799 following the curve of the road and crossing from Live Oak County into Bee County. The link travels to the northeast for approximately 1.09 miles. The link terminates at the intersection with Links J1 and K1.

LINK H1

Link H1 begins at the intersection with Links A1 and G1. The link travels to the southeast for approximately 0.46 mile. The link angles to the south-southeast for approximately 0.08 mile and angles to the southeast for approximately 1.60 miles. The link angles to the south-southeast for approximately 0.11 mile, and angles to the southeast for approximately 0.73 mile. The link angles to the south-southeast for approximately 0.30 mile, crossing La Para Creek. The link terminates at the intersection with Links N1 and Q1.

LINK I1

Link I1 begins at the intersection with Links Z, C1, and D1. The link travels to the northeast for approximately 1.69 miles. The link angles to the north-northeast for approximately 0.23 mile. The link terminates at the intersection with Link E1 and M1.

LINK J1

Link J1 begins at the intersection with Links Y and F1. The link travels to the east-southeast for approximately 1.31 miles. The link terminates at the intersection of Links G1 and K1. This link is a rebuild of an existing 69-kV transmission line.

LINK K1

Link K1 begins at the intersection with Links G1 and J1. The link travels to the east-southeast for approximately 1.00 mile and then angles to the northeast for approximately 0.14 mile leaving the rebuild of the existing 69-kV transmission line. The link terminates at the intersection with Links L1, P1 and R1, on the north side of FM 799. A portion of this link is a rebuild of an existing 69-kV transmission line.

LINK L1

Link L1 begins at the intersection with Links D1 and F1. The link travels to the northeast for approximately 1.80 miles. The link turns to the south-southeast for approximately 1.74 miles. The link terminates at the intersection with Links K1, P1, and R1, on the north side of FM 799.

LINK M1

Link M1 begins at the intersection with Links E1 and I1. The link travels to the southeast for approximately 0.14 mile. The link angles to the east for approximately 1.68 miles, crossing Poesta Creek and an existing 345-kV transmission line. The link terminates at the intersection with Links O1 and V1, east of an existing 345-kV transmission line.

LINK N1

Link N1 begins at the intersection with Links H1 and Q1. The link travels to the southeast for approximately 2.12 miles, crossing from Live Oak County into Bee County. The link angles to the south for approximately 0.16 mile. The line angles to the east for approximately 1.15 miles. The link terminates at the intersection with Links C2 and D2.

LINK 01

Link O1 begins at the intersection with Links M1 and V1, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 1.54 miles, paralleling the east side of the existing 345-kV transmission line and crossing Poesta Creek. The link terminates at the intersection with Links S1 and U1.

LINK PI

Link P1 begins at the intersection of Links K1, L1, and R1, on the north side of FM 799. The link travels to the east-northeast for approximately 1.67 miles, crossing La Para Creek and an existing 345-kV transmission line. The link terminates at the intersection with Links T1 and X1, east of the existing 345-kV transmission line.

LINK O1

Link Q1 begins at the intersection with Links H1 and N1. The link travels to the northeast for approximately 0.74 mile, crossing from Live Oak County into Bee County. The link angles to the east for approximately 2.15 miles and angles northeast for approximately 0.94 mile, crossing an existing 354-kV transmission line. The link terminates at the intersection with Links Z1 and B2, on the east side of the existing 345-kV transmission line.

LINK R1

Link R1 begins at the intersection with Links K1, L1 and P1, on the north side of FM 799. The link travels to the southeast for approximately 0.03 miles and then angles to the southwest for approximately 0.06 mile, crossing FM 799. The link turns east-southeast for approximately 1.20 miles, paralleling the south side of FM 799 and joining the rebuilding of the existing 69-kV transmission line. The link continues southeast for approximately .91 mile, crossing an existing 345-kV transmission line. The link terminates at the intersection with Links X1, Z1, and A2, on the east side of the existing 345-kV transmission line. This link is a rebuild of an existing 69k-V transmission line.

LINK S1

Link S1 begins at the intersection with Links O1 and U1, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 0.70 mile, paralleling the east side of the existing 345-kV transmission line. The link terminates at the intersection with Links T1 and W1.

LINK T1

Link T1 begins at the intersection of Links S1 and W1, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 1.00 mile, paralleling the east side of the existing 345-kV transmission line. The link terminates at the intersection with Links P1 and X1.

LINK U1

Link U1 begins at the intersection with Links O1 and S1, on the east side of an existing 345-kV transmission line. The link travels to the east-northeast for approximately 1.01 miles, crossing Poesta Creek three times. The link terminates at the intersection with Links V1 and Y1.

LINK V1

Link V1 begins at the intersection with Links M1 and O1, on the east side of an existing 345-kV transmission line. The link travels to the east-northeast for approximately 0.90 mile. The link turns to the southeast for approximately 0.60 mile, and turns to the northeast for approximately 0.06 mile. The link turns to the southeast for approximately 0.94 mile. The link terminates at the intersection with Links U1 and Y1.

LINK W1

Link W1 begins at the intersection with Links S1 and T1, on the east side of an existing 345-kV transmission line. The link travels to the east-northeast for approximately 1.03 miles. The link terminates at the intersection with Links Y1 and J2.

LINK X1

Link X1 begins at the intersection with Links P1 and T1, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 1.06 miles, paralleling the east side of the existing 345-kV transmission line. The link angles to the southeast for approximately 0.11 mile, and turns to the southwest for approximately 0.11 mile, crossing FM 779. The link angles to the south-southeast for approximately 0.18 mile. The link terminates at the intersection with Links Z1, R1, and A2.

LINK Y1

Link Y1 begins at the intersection with Links U1 and V1. The link travels to the south-southeast for approximately 0.70 mile, crossing Poesta Creek. The link terminates at the intersection with Links W1 and J2.

LINK Z1

Link Z1 begins at the intersection with Links R1, X1, and A2, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 1.79 miles, paralleling the east side of an existing 345-kV transmission line and crossing Aransas Creek. The link terminates at the intersection with Links Q1 and B2.

LINK A2

Link A2 begins at the intersection with Links R1, X1, and Z1. The link travels to the east-southeast for approximately 0.84 mile. The link terminates at the intersection with Links F2 and K2. This link is a rebuild of an existing 69-kV transmission line.

LINK B2

Link B2 begins at the intersection with Links Q1 and Z1, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 0.16 mile, paralleling the east side of an existing 345-kV transmission line. The link terminates at the intersection with Links E2 and G2.

LINK C2

Link C2 begins at the intersection with Links N1 and D2. The link travels east for approximately 1.21 miles, crossing an existing 345-kV transmission line. The link terminates at the intersection with Links E2, H2 and R2, on the east side of the existing 345-kV transmission line.

PUC Docket No. 49347 Attachment 12a Page 7 of 17

LINK D2

Link D2 begins at the intersection with Links N1 and C2. The link travels to the southeast for approximately 1.34 miles. The link angles to the east-northeast for approximately 0.33 mile, crossing an existing 345-kV transmission line. The link terminates at the intersection with Links H2 and L2, on the east side of the existing 345-kV transmission line.

LINK E2

Link E2 begins at the intersection with Links B2 and G2, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 2.08 miles, paralleling the east side of an existing 345-kV transmission line. The link terminates at the intersection with Links C2, H2, and R2.

LINK F2

Link F2 begins at the intersection with Links A2 and K2. The link travels to the east-southeast for approximately 0.22 mile. The link terminates at the intersection with Links I2 and M2. This link is a rebuild of an existing 69-kV transmission line.

LINK G2

Link G2 begins at the intersection with Links B2 and E2. The link travels to the east-northeast for approximately 0.82 mile, crossing Aransas Creek. The link terminates at the intersection with Links I2 and N2.

LINK H2

Link H2 begins at the intersection with Links C2, E2 and R2, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 0.70 mile, paralleling the east side of the existing 345-kV transmission line. The link terminates at the intersection with Links D2 and L2.

LINK 12

Link I2 begins at the intersection with Links F2 and M2. The link travels to the south-southeast for approximately 1.30 miles. The link terminates at the intersection with Links G2 and N2.

LINK J2

Link J2 begins at the intersection with Links W1 and Y1. The link travels to the east-northeast for approximately 0.68 mile and angles to the southeast for approximately 0.70 mile. The link angles to the south-southeast for approximately 0.70 mile. The link turns to the northeast for 0.16 mile and turns to the south-southeast for approximately 0.41 mile. The link turns to the northeast for approximately 0.63 mile and turns to the southeast for approximately 1.00 mile. The link terminates at the intersection with Links K2 and E3.

LINK K2

Link K2 begins at the intersection with Links A2 and F2. The link travels to the north for approximately 0.10 mile, crossing FM 799, and angles to the northeast for approximately 0.55 mile. The link angles to the north-northeast for approximately 0.19 mile and angles to the northeast for approximately 1.76 miles. The link terminates at the intersection with Links J2 and E3.

LINK L2

Link L2 begins at the intersection with Links H2 and D2, on the east side of an existing 345-kV transmission line. The link travels to the south-southeast for approximately 0.76 mile, paralleling the east side of the existing 345-kV transmission line. The link angles to the southeast for approximately 0.11 mile, and angles to the south for approximately 0.11 mile, crossing US 59. The link turns to the east for approximately 0.80 mile, paralleling the south side of US 59. The link turns to the south for approximately 0.26 mile and angles to the east-southeast for approximately 0.15 mile. The link terminates at the intersection with Links Y2 and A3.

LINK M2

Link M2 begins at the intersection with Links F2 and I2. The link travels to the south-southeast for approximately 1.63 miles. The link angles to the east for approximately 0.36 mile. The link terminates at the intersection with Links O2 and P2. This link is a rebuild of an existing 69-kV transmission line.

LINK N2

Link N2 begins at the intersection with Links G2 and I2. The link travels to the east-northeast for approximately 1.54 miles. The link terminates at the intersection with Links O2, Q2, and U2.

LINK O2

Link O2 begins at the intersection with Links N2, Q2, and U2. The link travels to the north-northeast for approximately 0.14 mile. The link terminates at the intersection with Links M2 and P2.

LINK P2

Link P2 begins at the intersection with Links M2 and O2. The link travels to the east for approximately 0.28 mile. The link terminates at the intersection with Links Q2 and D3. This link is a rebuild of an existing 69-kV transmission line.

LINK Q2

Link Q2 begins at the intersection with Links N2, O2, and U2. The link travels to the east-northeast for approximately 0.31 mile. The link terminates at the intersection with Links P2 and D3.

LINK R2

Link R2 begins at the intersection with Links C2, E2 and H2, on the east side of an existing 345-kV transmission line. The link travels to the east-northeast for approximately 0.69 mile, crossing Aransas Creek. The link angles to the northeast for 0.93 mile. The link terminates at the intersection with Links S2 and T2.

LINK S2

Link S2 begins at the intersection with Links R2 and T2. The link travels to the northeast for approximately 1.11 miles. The link terminates at the intersection with Links V2 and W2.

LINK T2

Link T2 begins at the intersection with Links R2 and S2. The link travels to the southeast for approximately 1.35 miles. The link angles to the south-southeast for approximately 0.33 mile and angles to the southeast for 0.08 mile, crossing US 59. The link angles to the southeast for approximately 0.67 mile, crossing Aransas Creek. The link terminates at the intersection with Link A3 and B3.

LINK U2

Link U2 begins at the intersection with Links N2, O2, and Q2. The link travels to the southeast for approximately 0.89 mile. The link terminates at the intersection with Links V2 and X2.

LINK V2

Link V2 begins at the intersection with Links U2 and X2. The link travels to the southeast for approximately 0.46 mile and angles to the south-southeast for approximately 0.64 mile. The link terminates at the intersection with Links S2 and W2.

LINK W2

Link W2 begins at the intersection with Links S2 and V2. The link travels to the northeast for approximately 0.23 mile. The link turns to the southeast for approximately 0.26 mile and turns to the northeast for approximately 0.89 mile, crossing an existing 69-kV transmission line. The link terminates at the intersection with Links G3 and H3.

LINK X2

Link X2 begins at the intersection with Links U2 and V2. The link travels to the northeast for approximately 1.65 miles. The link terminates at the intersection with Links D3, E3, F3 and L3.

LINK Y2

Link Y2 begins at the intersection with Links L2 and A3. The link travels in a curve from east to southeast to south for approximately 0.19 mile. The link travels south for approximately 0.35 mile and turns to the east for approximately 0.74 mile. The link terminates at the intersection with Links Z2 and C3.

LINK 72

Link Z2 begins at the intersection with Links B3 and K3. The link travels to the south for approximately 0.66 mile. The link terminates at the intersection with Links Y2 and C3.

LINK A3

Link A3 begins at the intersection with Links L2 and Y2. The link travels to the east-northeast for approximately 0.66 mile. The link terminates at the intersection with Links T2 and B3.

LINK B3

Link B3 begins at the intersection with Links T2 and A3. The link travels to the east-northeast for approximately 0.24 mile. The link terminates at the intersection with Links Z2 and K3.

LINK C3

Link C3 begins at the intersection with Links Y2 and Z2. The link travels to the east for approximately 0.38 mile and angles to the east-northeast for approximately 0.44 mile, crossing Aransas Creek. The link angles to the southeast for approximately 0.18 mile. The link terminates at the intersection with Links M3 and N3, on the west side of FM 1349 and an existing 69-kV transmission line.

LINK D3

Link D3 begins at the intersection with Links P2 and Q2. The link travels to the east-southeast for approximately 1.59 miles. The link terminates at the intersection with Links E3, F3, X2 and L3, on the west side of an existing 69-kV transmission line. This link is a rebuild of an existing 69-kV transmission line.

LINK E3

Link E3 begins at the intersection with Links J2 and K2. The link travels to the northeast for approximately 0.51 mile. The link turns to the southeast for approximately 1.90 miles, and angles to the south-southeast for approximately 0.12 mile, crossing FM 799. The link angles to the east-southeast for approximately 0.54 mile. The link terminates at the intersection with Links X2, D3, F3, and L3, on the west side of an existing 69-kV transmission line.

LINK F3

Link F3 begins at the intersection with Links X2, D3, E3 and L3, on the west side of an existing 69-kV transmission line. The link travels to the south-southwest for approximately 0.92 mile, paralleling the west side of the existing 69-kV transmission line. The link angles to the southeast for approximately 0.22 mile, crossing the existing 69-kV transmission line. The link terminates at the intersection with Links H3 and J3.

LINK G3

Link G3 begins at the intersection with Links W2 and H3. The link travels to the southeast for approximately 0.58 mile and turns to the northeast for approximately 0.82 mile. The link terminates at the intersection with Links I3 and Q3.

LINK H3

Link H3 begins at the intersection with Links F3 and J3. The link travels to the southeast for approximately 0.29 mile. The link terminates at the intersection with Links W2 and G3.

LINK 13

Link I3 begins at the intersection with Links J3 and L3. The link travels to the southeast for approximately 0.92 mile, crossing Dry Creek three times. The link terminates at the intersection with Links G3 and Q3.

LINK J3

Link J3 begins at the intersection with Links F3 and H3. The link travels to the east-northeast for approximately 0.78 mile, crossing Dry Creek. The link terminates at the intersection with Links I3 and L3.

LINK K3

Link K3 begins at the intersection with Links Z2 and B3. The link travels to the east for approximately 1.90 miles, crossing Aransas Creek, FM 1349, and an existing 69-kV transmission line. The link angles to the east-southeast for approximately 0.23 mile and then angles to the east for approximately 0.94 mile. The link terminates at the intersection with Links P3 and R3.

LINK L3

Link L3 begins at the intersection with Links X2, D3, E3 and F3, on the west side of an existing 69-kV transmission line. The link travels to the east-southeast for approximately 0.51 mile, crossing an existing 69-kV transmission line. This section of the link would be a rebuild of an existing 69-kV transmission line. The link angles to the south-southeast for approximately 0.77 mile. The link terminates at the intersection with Links I3 and J3.

LINK M3

Link M3 begins at the intersection with Links C3 and N3, on the west side of FM 1349. The link travels to the east for approximately 0.11 miles, crossing FM 1349 and an existing 69-kV transmission line. The link angles east-southeast for approximately 0.99 mile and angles to the southeast for approximately 0.58 mile. The link terminates at the intersection with Links O3 and P3.

LINK N3

Link N3 begins at the intersection with Links C3 and M3, on the west side of FM 1349 and an existing 69-kV transmission line. The link travels to the south for approximately 2.10 miles, paralleling the west side of FM 1349 and the existing 69-kV transmission line and crossing Aransas Creek. The link turns to the east for approximately 1.02 miles, crossing FM 1349 and the existing transmission line. The link turns to the south for 0.15 mile and turns to the east for 1.19 miles. The link turns to the southeast for 0.55 mile, paralleling the west side of FM 888 and crossing Elm Creek. The link turns to the east-northeast for approximately 0.66 mile, crossing FM 888. The link turns to the north for approximately 1.06 miles, crossing Elm Creek, Aransas Creek and paralleling the west side of another existing 69-kV transmission line. The link terminates at the intersection with Links O3, S3 and A4, on the west side of an existing 69-kV transmission line.

LINK 03

Link O3 begins at the intersection with Links M3 and P3. The link travels to the southwest for approximately 0.36 mile. The link angles to the southeast for approximately 0.85 mile, and angles to the east-southeast for approximately 0.41 mile, crossing FM 888. The link angles the east for approximately 0.56 mile. The link terminates at the intersection with Links N3, S3, and A4, on the west side of an existing 69-kV transmission line.

LINK P3

Link P3 begins at the intersection with Links M3 and O3. The link travels to the northwest for approximately 1.04 miles. The link terminates at the intersection with Links K3 and R3.

LINK 03

Link Q3 begins at the intersection with Links G3 and I3, on the north side of US 59. The link travels to the southeast for approximately 0.24 mile, and angles slightly to the east-southeast for approximately 0.10 mile, crossing US 59. The link turns to the northeast for approximately 0.37 mile and turns to the northeast for approximately 0.31 mile. The link turns to the east-southeast for approximately 1.33 miles, crossing an existing 69-kV transmission line. The link angles to the south-southeast for approximately 0.17 mile, paralleling the east side of the existing 69-kV transmission line. The link angles to the east for approximately 0.09 mile, crossing FM 888. The link terminates at the intersection with Links V3 and P6, on the east side of FM 888.

LINK R3

Link R3 begins at the intersection with Links K3 and P3. The link travels to the north-northeast for approximately 0.38 mile, crossing Little Dry Creek. The link turns to the east-southeast for approximately 0.97 mile, crossing Little Dry Creek. The link terminates at the intersection with Links S3 and T3, on the west side of FM 888.

LINK S3

Link S3 begins at the intersection with Links N3, O3 and A4, on the west side of an existing 69-kV transmission line. The link angles to the north-northwest for approximately 0.11 mile, crossing the existing 69-kV transmission line. The link angles to the north-northwest for approximately 1.36 miles, paralleling the east side of the existing 69-kV transmission line. The link angles to the north for approximately 0.24 mile, paralleling the east side of the existing 69-kV transmission line. The link angles to the west-northwest for approximately 0.05 mile, crossing FM 888 and the existing 69-kV transmission line. The link terminates at the intersection with Links R3 and T3, on the west side of FM 888.

LINK T3

Link T3 begins at the intersection with Links R3 and S3, on the west side of FM 888 and an existing 69-kV transmission line. The link travels to the north-northeast for approximately 0.92 mile, paralleling the west side of the existing 69-kV transmission line, FM 888 and crossing Little Dry Creek and Dry Creek. The link terminates at the intersection with Links U3 and W3, on the west side of FM 888.

LINK U3

Link U3 begins at the intersection with Links T3 and W3, on the west side of FM 888 and an existing 69-kV transmission line. The link travels to the north-northeast for approximately 0.98 mile, paralleling the west side of FM 888 and the existing 69-kV transmission line. The link terminates at the intersection with Links H6 and P6, on the west side of the existing 69-kV transmission line and FM 888.

LINK V3

Link V3 begins at the intersection with Links Q3 and P6, on the east side of FM 888. The link travels to the northeast for approximately 0.29 mile. The link angles to the southeast for approximately 0.10 mile paralleling the west side of US 181 BUS. The link terminates at the intersection with Links N6 and O6, on the west side of US 181 BUS.

LINK W3

Link W3 begins at the intersection with Links T3 and U3, on the west side of FM 888. The link travels to the east-southeast for approximately 0.13 mile, crossing Dry Creek, an existing 69-kV transmission line and FM 888. The link angles to the northeast for approximately 1.32 miles, crossing Dry Creek. The link angles to the north-northeast for approximately 0.23 mile, and angles to the northeast for approximately 0.11 mile, crossing US 181. The link terminates at the intersection with Links B4 and J6.

LINK Y3

Link Y3 begins at the intersection with Links F6 and I6, on the east side of US 181 BUS. The link travels to the north-northwest for approximately 0.14 mile. The link terminates at the proposed Borglum Substation.

LINK A4

Link A4 beings at the intersection with Links O3 and S3, on the west side of an existing 69-kV transmission line. The link travels to the east for approximately 0.05 mile, crossing the existing 69-kV transmission line. The link angles to the southeast for approximately 0.17 mile and angles to the northeast for approximately 0.82 mile. The link turns to the southeast for approximately 0.18 mile. The link turns to the northeast for approximately 3.20 miles, crossing Dry Creek, US 181, a railroad, and another existing 69-kV transmission line. The link turns to the northwest for approximately 1.17 miles and turns to the west-southwest for approximately 0.57 mile. The link turns to the northwest for approximately 1.34 miles, paralleling the east side of the existing 69-kV transmission line. The link terminates at the intersection with Links Z3, B4 and C4.

LINK B4

Link B4 beings at the intersection with Links W3 and J6, on the east side of US 181. The link travels to the east-northeast for approximately 0.33 mile, crossing US 181 BUS, a railroad, and an existing 69-kV transmission line. The link terminates at the intersection with Links Z3, A4, and C4.

LINK B6

Link B6 begins at the intersection with Links N and V. The link travels to the south for approximately 0.65 mile. The link terminates at the intersection with Links O and R.

LINK E6

Link E6 begins at the intersection with Links M6 and H6, on the west side of US 181. The link travels to the northeast approximately 0.12 mile, paralleling the west side US 181. The link angles to the northwest for approximately 0.39 mile, paralleling the west side of US 181 BUS. The link terminates at the intersection with Links N6 and F6, on the west side of US 181 BUS.

LINK F6

Link F6 begins at the intersection with Links E6 and N6, on the west side of US 181 BUS. The link travels to the east-northeast for approximately 0.06 mile, crossing US 181 BUS and an abondonded railroad. The link terminates at the intersection with Links Y3 and I6, on the east side of US 181 BUS.

LINK H6

Link H6 begins at the intersection with Links U3 and P6, on the west side of FM 888. The link travels east-southeast for approximately 0.07 mile, crossing FM 888 and an existing 69-kV transmission line. The link angles to the northeast for 0.66 mile, crossing Dry Creek. The link angles to the north-northwest for approximately 0.26 mile, paralleling the west side US 181. The link terminates at the intersection with Link E6 and M6, on the west side of US 181.

LINK 16

Link I6 begins at the intersection with Links K6 and L6, on the south side of US 181. The link travels to the west-northwest for approximately 0.19 mile, crossing US 181. The link angles to the north-northwest for 0.31 mile, paralleling the northeast side of an abandoned railroad. The link terminates at the intersection with Links Y3 and F6, on the east side of US 181 BUS.

LINK J6

Link J6 begins at the intersection with Links W3 and B4, on the east side of US 181. The link travels for approximately 0.62 mile, paralleling the west side of US 181 BUS. The link terminates at the intersection with Links K6 and M6, on the east side of US 181 and on the west side of US 181 BUS.

LINK K6

Link K6 begins at the intersection with Links J6 and M6, on the east side of US 181 and on the west side of US 181 BUS. The link travels to the northeast for approximately 0.05 mile, crossing US 181 BUS and a railroad, and the link angles to the northnortheast for approximately 0.14 mile. The link terminates at the intersection with Links I6 and L6, on the east side of US 181.

LINK M6

Link M6 begins at the intersection with Links E6 and H6, on the west side of US 181. The link travels to the east-southeast for approximately 0.12 mile, crossing US 181. The link terminates at the intersection with Links J6 and K6, on the east side of US 181.

LINK N6

Link N6 begins at the intersection with Links V3 and O6, on the west side of US 181 BUS. The link travels to the southeast for approximately 0.11 mile, paralleling the west side of US 181 BUS. The link terminates at the intersection with Links E6 and R6.

LINK O

Link O6 begins at the intersection with Links V3 and N6, on the west side of US 181 BUS. The link travels to the northeast for approximately 0.15 mile, crossing US 181 BUS and an abandoned railroad. The link terminates at the proposed Borglum Substation.

LINK P6

Link P6 begins at the intersection with Links U3 and H6, on the west side of FM 888 and an existing 69-kV transmission line. The link travels to the north for approximately 1.00 mile, paralleling the west side of FM 888 and the existing 69-kV transmission line. The link turns to the east for approximately 0.08 mile, crossing FM 888 and the existing 69-kV transmission line. The link angles to the north-northeast for approximately 0.12 mile. The link terminates at the intersection with Links Q3 and V3, on the east side of FM 888.

LINK O6

Link Q6 begins at the intersection with Links H, L, and K. The link travels to the north for approximately 0.04 mile and turns to the east for approximately 0.95 mile. The link terminates at the intersection with Links R6 and S6.

LINK R6

Link R6 begins at the intersection with Links Q6 and S6. The link travels in the north-northwest direction for approximately 0.30 mile, crossing Rock Quarry Branch stream. The link terminates at the intersection with Links J and T6, on the south side of IH 37.

LINK S6

Link S6 begins at the intersection with Links L and U6. The link travels to the north-northwest for approximately 0.24 mile. The link terminates at the intersection with Links Q6 and R6.

LINK T6

Link T6 begins at the intersection with Links J and R6, on the south side of IH 37. The link travels to the north for approximately 0.24 mile, crossing IH 37. The link angles to the northeast for approximately 0.54 mile. The link terminates at the intersection with Links N and O.

LINK U6

Link U6 begins at the intersection with Links L and S6. The link travels to the east-southeast for approximately 0.94 mile, crossing Rock Quarry Branch stream. The link terminates at the intersection with Links M and P. This link is a rebuild of an existing 69-kV transmission line.

The following table lists the link combinations that make up AEP Texas BT Routes.

BT Routes	Links
BT 1	X3-E4-G4-J4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5
BT 2	X3-G6-Z3-C4-D4-K4-P4-U4-A5-E5-K5-L5-O5-Q5-R5
BT 3	X3-E4-F4-B7-I4-J4-L4-N4-R4-A5-E5-H5-L5-M5-A6-Y5-R5
BT 4	Y3-I6-L6-Z3-C4-Z6-B7-I4-J4-L4-N4-C7-O4-S4-B5-E5-K5-L5-M5-A6-Y5-R5
BT 5	X3-E4-G4-J4-L4-N4-C7-O4-S4-Y4-U5-A6-Y5-R5
BT 6	X3-E4-F4-B7-I4-J4-L4-N4-C7-O4-C6-Z5-U5-A6-Y5-R5
BT 7	X3-G6-Z3-C4-Z6-B7-I4-J4-L4-Q4-U4-A5-E5-H5-L5-O5-Y5-R5
BT 8	X3-E4-G4-J4-M4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5
BT 9	X3-E4-F4-B7-H4-K4-P4-U4-A5-E5-K5-L5-M5-A6-Y5-R5
BT 10	X3-G6-Z3-C4-Z6-B7-I4-J4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5
BT 11	Y3-I6-L6-Z3-C4-D4-K4-M4-L4-N4-C7-D7-Z5-U5-A6-Y5-R5

The following narrative describing the links, along with the enclosed map that shows these links, provides a detailed description of the links that form the 11 BT Routes.

LINK X3

Link X3 begins at the proposed Borglum Substation. The link travels to the northeast for approximately 0.10 mile. The link turns to the southeast for approximately 0.13 mile, paralleling the east side of an existing 69-kV transmission line. The link turns to the northeast for 0.04 mile, crossing the existing 69-kV transmission line. The link terminates at the intersection with Links E4 and G6.

LINK Y3

Link Y3 begins at the proposed Borglum Substation. The link travels to the southwest for approximately 0.14 mile. The link terminates at the intersection with Links F6 and I6, on the east side of US 181 BUS.

LINK Z3

Link Z3 begins at the intersection with Links G6 and L6, on the south side of US 181. The link travels to the southeast for approximately 0.72 mile, paralleling the east side of, and crossing, an existing 69-kV transmission line. The link terminates at the intersection with Links A4, B4 and C4, on the south side of the existing 69-kV transmission line.

PUC Docket No. 49347 Attachment 12a Page 13 of 17

LINK C4

Link C4 begins at the intersection with Links Z3, A4 and B4. The link travels to the northeast for approximately 0.61 mile, paralleling the south side of an existing 69-kV transmission line and crossing a tributary of Poesta Creek. The link turns to the southeast for approximately 0.52 mile, paralleling the west side of an existing 69-kV transmission line and crossing a tributary of Poesta Creek. The link terminates at the intersection with Links D4 and Z6.

LINK D4

Link D4 begins at the intersection with Links C4 and Z6. The link travels to the southeast for approximately 0.81 mile. The link turns to the southwest for approximately 0.08 mile and turns to the southeast for approximately 1.19 miles. The link turns to the southwest for approximately 0.08 mile and turns to the southeast for approximately 1.20 miles. The link turns to the east-northeast for approximately 1.90 miles, crossing Poesta Creek. The link angles to the northeast for approximately 0.22 mile and angles to the east-southeast for approximately 1.30 miles. The link turns to the north-northeast for approximately 1.70 miles and turns to the west-northwest for approximately 0.72 mile. The link angles to the north for approximately 3.77 miles, crossing Spring Creek, SH 202, and Parker Hollow Creek. The link angles to the northwest for approximately 1.36 miles. The link angles to the west-northwest for approximately 0.97 mile, crossing Parker Hollow Creek. The link angles to the north for approximately 0.01 mile. The link terminates at the intersection with Links H4 and K4 west of Parker Hollow Creek.

LINK E4

Link E4 begins at the intersection with Links X3 and G6, on the north side of US 181. The link travels to the northeast for approximately 0.25 mile. The link angles to the southeast for approximately 0.10 mile, crossing US 181. The link turns to the north-northeast for approximately 0.07 mile, paralleling the east side of US 181. The link angles to the northeast for approximately 0.16 mile and turns to the southeast for approximately 0.14 mile. The link turns to the northeast for approximately 0.50 mile. The link angles to the north for 0.07 mile, crossing SH 202. The link turns to the east-southeast for approximately 0.23 mile, paralleling the north side of SH 202. The link turns to the north for approximately 0.48 mile, crossing Poesta Creek. The link angles to the northeast for approximately 0.25 mile. The link terminates at the intersection with Links F4 and G4.

LINK F4

Link F4 begins at the intersection with Links E4 and G4. The link travels to the east for approximately 0.42 mile. The link terminates at the intersection with Links Z6 and B7.

LINK G4

Link G4 begins at the intersection with Links E4 and F4. The link travels to the north-northwest for approximately 1.50 miles. The link angles to the northeast for approximately 1.53 miles, paralleling the south side of an existing 69-kV transmission line, crossing Talpacate Creek and another existing 69-kV transmission line. The link terminates at the intersection with Links I4 and J4, on the east side of one existing 69-kV transmission line and on the south side of a second existing 69-kV transmission line.

LINK H4

Link H4 begins at the intersection with Links I4 and B7. The link travels to the east-northeast for approximately 1.22 miles. The link turns to the northwest for approximately 0.57 mile and angles to the north for approximately 0.93 mile. The link angles to the northeast for approximately 0.58 mile. The link terminates at the intersection with Links D4 and K4 west of Parker Hollow Creek.

LINK 14

Link I4 begins at the intersection with Links H4 and B7. The link travels to the north-northwest for approximately 0.31 mile and angles to the north-northwest for approximately 0.39 mile. The link angles to the north-northwest for approximately 1.07 miles, paralleling the east side of an existing 69-kV transmission line. The link terminates at the intersection with Links G4 and J4, on the east side of one existing 69-kV transmission line and on the south side of a second existing 69-kV transmission line.

LINK J4

Link J4 begins at the intersection with Links G4 and I4, on the east side of one existing 69-kV transmission line and on the south side of a second existing 69-kV transmission line. The link travels to the northeast for approximately 0.50 mile, paralleling the south side of an existing 69-kV transmission line. The link terminates at the intersection with Links L4 and M4 on the south side of an existing 69-kV transmission line.

LINK K4

Link K4 beings at the intersection with Links D4 and H4 west of Parker Hollow Creek. The link travels to the north-northwest for approximately 0.61 mile, crossing Parker Hollow Creek. The link angles to the northwest for approximately 0.43 mile. The link terminates at the intersection with Links M4 and P4.

LINK L4

Link L4 begins at the intersection with Links J4 and M4, on the south side of an existing 69-kV transmission line. The link travels to the northwest for approximately 0.69 mile, crossing an existing 69-kV transmission line. The link turns to the southwest for approximately 0.35 mile and turns to the northwest for approximately 0.81 mile. The link terminates at the intersection with Links N4 and Q4, on the south side of US 59.

LINK M4

Link M4 begins at the intersection with J4 and L4, on the south side of an existing 69-kV transmission line. The link travels to the northeast for approximately 0.45 mile, paralleling the south side of the existing 69-kV transmission line. The link angles to the east-northeast for approximately 1.64 miles, crossing Parker Hollow Creek. The link terminates at the intersection with Links K4 and P4.

LINK N4

Link N4 begins at the intersection with Links L4 and Q4, on the south side of US 59. The link travels southwest for approximately 0.07 mile, paralleling the south side of US 59. The link turns to the northwest for approximately 0.11 mile, crossing US 59, and angles to the north-northwest for approximately 0.28 mile. The link terminates at the intersection with Links R4 and C7.

LINK 04

Link O4 begins at the intersection with Links C7 and D7. The link travels to the north-northwest for approximately 1.07 miles and angles to the west for approximately 1.38 miles, crossing FM 3355. The link turns to the north for approximately 0.77 mile, paralleling the west side of FM 3355. The link terminates at the intersection with Links C6 and S4, on the west side of FM 3355.

LINK P4

Link P4 begins at the intersection with Links K4 and M4. The link travels to the northwest for approximately 1.93 miles, crossing an existing 69-kV transmission line and Parker Hollow Creek. The link terminates at the intersection with Links Q4 and U4, on the south side of US 59.

LINK 04

Link Q4 begins at the intersection with Links P4 and U4, on the south side of US 59. The link travels to the southwest for approximately 1.87 miles, paralleling the south side of US 59. The link terminates at the intersection with Links L4 and N4, on the south side of US 59.

LINK R4

Link R4 begins at the intersection with Links N4 and C7. The link travels to the northwest for approximately 0.64 mile. The link angles to the north for approximately 2.15 miles, crossing Parker Hollow Creek. The link terminates at the intersection with Links U4 and A5.

LINK S4

Link S4 begins at the intersection with Links O4 and C6, on the west side of FM 3355. The link travels to the north for approximately 1.23 miles, paralleling the west side of FM 3355 and crossing an existing 69-kV transmission line. The link angles to the northwest for approximately 0.18 mile. The link terminates at the intersection with Links Y4 and B5.

LINK U4

Link U4 begins at the intersection with Links P4 and Q4, on the south side of US 59. The link travels to the northwest for approximately 1.04 miles, crossing US 59 and Parker Hollow Creek. The link angles to the north-northwest for approximately 0.22 mile and angles to the northwest for approximately 1.12 miles. The link terminates at the intersection with Links R4 and A5.

LINK Y4

Link Y4 begins at the intersection with Links U5 and Z5. The link travels to the east for approximately 1.31 miles, crossing an existing 69-kV transmission line. The link terminates at the intersection with Links S4 and B5.

LINK A5

Link A5 begins at the intersection with Links R4 and U4. The link travels to the northwest for approximately 0.65 mile and angles to the north for approximately 0.47 mile, and angles to the northwest for approximately 0.15 mile. The link angles to the west for approximately 1.47 miles, crossing an existing 69-kV transmission line and FM 3355. The link terminates at the intersection with Links B5 and E5, on the west side of FM 3355.

LINK B5

Link B5 begins at the intersection with Links S4 and Y4. The link travels to the northwest for approximately 0.25 mile. The link angles to the northeast for approximately 0.38 mile. The link travels to the north for approximately 0.57 mile, paralleling the west side of FM 3355. The link terminates at the intersection with Links A5 and E5, on the west side of FM 3355.

LINK E5

Link E5 begins at the intersection with Links A5 and B5, on the west side of FM 3355. The link travels to the north for approximately 1.09 miles, crossing Medio Creek and Boggy Creek and paralleling the west side of FM 3355. The link terminates at the intersection with Links H5 and K5, on the west side of FM 3355.

LINK H5

Link H5 begins at the intersection with Links E5 and K5, on the west side of FM 3355. The link travels to the west-northwest for approximately 0.99 mile, crossing Boggy Creek. The link turns to the north for 0.16 mile and turns to the west for approximately 0.22 mile. The link turns to the north for approximately 0.73 mile. The link terminates at the intersection with Links K5 and L5.

LINK K5

Link K5 begins at the intersection with Links E5 and H5, on the west side of FM 3355. The link travels to the east-southeast for approximately 0.10 mile, crossing FM 3355, and angles to the northeast for approximately 0.11 mile. The link angles to the north for approximately 0.35 mile and turns to the west-northwest for approximately 0.10 mile. The link angles to the north-northwest for approximately 0.11 mile and angles to the north for approximately 0.55 mile. The link turns to the west-northwest for approximately 1.35 miles, crossing Boggy Creek. The link angles to the southwest for approximately 0.30 mile. The link terminates at the intersection with Links H5 and L5.

LINK L5

Link L5 begins at the intersection with Links H5 and K5. The link travels to the north for approximately 1.22 miles, crossing Boggy Creek three times. The link terminates at the intersection with Links M5 and O5.

LINK M5

Link M5 begins at the intersection with Links A6 and U5. The link travels east for approximately 1.70 miles, crossing Boggy Creek. The link terminates at the intersection with Links L5 and O5.

LINK O5

Link O5 begins at the intersection with Links M5 and L5. The link travels to the north for approximately 0.55 mile and angles to the northwest for approximately 0.11 mile. The link angles to the north for approximately 0.90 mile. The link angles to the northwest for approximately 0.17 mile, and angles to the west for approximately 0.62 mile. The link angles to the northwest for approximately 0.11 mile, then southwest for approximately 0.12 mile. The link angles to the west for approximately 0.15 mile. The link angles to the northwest for approximately 0.11 mile, then to the southwest for approximately 0.11 mile. The link angles to the west for approximately 0.71 mile crossing Boggy Creek. The link terminates at the intersection with Links Y5, Q5, and A6.

LINK Q5

Link Q5 begins at the intersection with Links O5, Y5, and A6. The link travels to the west for approximately 0.81 mile. The link turns to the north for approximately 0.24 mile and angles to the northeast for approximately 0.33 mile. The link angles to the north-northeast for approximately 0.46 mile and angles to the northeast for approximately 0.11 mile. The link angles east 0.25 mile. The link terminates at the intersection with Link R5 and Y5, to the west of an existing 69 kV transmission line on the west side of the existing Tuleta Substation.

LINK R5

Link R5 begins at the intersection with Links Q5 and Y5, on the west side of an existing 69 kV transmission line. The link travels 0.04 mile east-northeast, crossing an existing 69 kV transmission line, to the existing Tuleta Substation.

LINK US

Link U5 begins at the intersection with Links Y4 and Z5, on the west side of an existing 69-kV transmission line. The link travels to the north-northwest for approximately 2.45 miles, crossing Medio Creek and paralleling the west side of an existing 69-kV transmission line. The link angles to the northwest for approximately 0.18 mile. The link angles to the north-northwest for approximately 0.16 mile and angles to the northwest for approximately 0.08 mile. The link angles to the north-northwest for approximately 0.57 mile. The link angles northwest for approximately 1.22 miles, paralleling the west side of the existing 69-kV transmission line. The link terminates at the intersection with Links M5 and A6, on the west side of the existing 69-kV transmission line.

LINK Y5

Link Y5 begins at the intersection with Links O5, Q5 and A6, on the east side of an existing 69-kV transmission line. The link travels to the north-northwest for approximately 0.19 mile, paralleling the east side of the existing 69-kV transmission line. The link angles to the northeast for approximately 0.14 mile. The link turns to the west for 0.08 mile, crossing the existing 69-kV transmission line. The link angles to the north-northwest for approximately 0.74 mile, paralleling the west side of the existing 69-kV transmission line. The link angles to the east-northeast for approximately 0.02 mile. The link terminates at the intersection with Links Q5 and R5, on the west side of the existing 69 kV transmission line, west of the existing Tuleta Substation.

LINK Z5

Link Z5 begins at the intersection with Links C6 and D7, on the west side of an existing 69-kV transmission line. The link travels to the north-northwest for approximately 1.39 miles, paralleling the west side of the existing 69-kV transmission line. The link terminates at the intersection with Links Y4 and U5, on the west side of the existing 69-kV transmission line.

LINK A6

Link A6 begins at the intersection with Link M5 and U5, on the west side of an existing 69-kV transmission line. The link travels to the north-northwest for approximately 0.94 mile, paralleling the west side of the existing 69-kV transmission line. The link angles to the northwest for approximately 0.12 mile and angles to the north for approximately 0.42 mile, crossing the existing 69-kV transmission line. The link angles to the north-northwest for approximately 0.14 mile, paralleling the east side of the existing 69-kV transmission line. The link terminates at the intersection with Links O5, Q5 and Y5, on the east side of the existing 69-kV transmission line.

LINK C6

Link C6 begins at the intersection with Links Z5 and D7, on the west side of an existing 69-kV transmission line. The link travels to the east for approximately 0.91 mile, crossing two existing 69-kV transmission line. The link terminates at the intersection with Links O4 and S4, on the west side of FM 3355.

LINK G6

Link G6 begins at the intersection with Links X3 and E4, on the east side of an existing 69-kV transmission line. The link travels to the south-southeast for approximately 0.08 mile, paralleling the east side of the existing 69-kV transmission line. The link angles to the southeast for approximately 0.19 mile, crossing US 181. The link angles to the southwest for approximately 0.17 mile, and angles to the south-southeast for approximately 0.11 mile, paralleling the east side of the existing 69-kV transmission line. The link terminates at the intersection with Links Z3 and L6, on the east side of the existing 69-kV transmission line.

LINK 16

Link I6 begins at the intersection with Links Y3 and F6, on the east side of US 181 BUS. The link travels to the south-southeast for approximately 0.31 mile, paralleling the east side of US 181 BUS. The link angles to the southeast for 0.19 mile, crossing US 181. The link terminates at the intersection with Links K6 and L6, on the south side of US 181.

LINK L6

Link L6 begins at the intersection with Links I6 and K6, on the south side of US 181. The link travels to the northeast for approximately 0.17 mile, crossing an existing 69-kV transmission line. The link terminates at the intersection with Links Z3 and G6, on the east side of the existing 69-kV transmission line.

LINK Z6

Link Z6 begins at the intersection with Links C4 and D4. The link travels to the northeast for approximately 0.93 mile, crossing Salt Branch Creek, an existing 69-kV transmission line and paralleling the south side of the existing 69-kV transmission line. The link angles to the northwest for approximately 0.83 mile and angles to the north for approximately 0.36 mile. The link turns to the east for approximately 0.18 mile, paralleling the south side of SH 202. The link turns back to the north for approximately 0.72 mile, crossing SH 202 and Poesta Creek. The link terminates at the intersection with Links F4 and B7.

LINK B7

Link B7 begins at the intersection with Links F4 and Z6. The link travels to the east for approximately 0.26 mile. The link angles to the northwest for approximately 0.49 mile, crossing Talpacate Creek. The link turns to the northeast for approximately 1.06 miles, crossing an existing 69-kV transmission line. The link terminates at the intersection with Links H4 and I4.

LINK C7

Link C7 begins at the intersection with Links N4 and R4. The link travels to the southwest for approximately 1.06 miles. The link terminates at the intersection with Links O4 and D7.

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

LINK D7

Link D7 begins at the intersection with Links O4 and C7. The link travels to the west-northwest for approximately 1.60 miles. The link angles to the northwest for approximately 0.22 mile, and angles to the west-northwest for approximately 0.06 mile, crossing FM 3355. The link angles to the northwest for approximately 0.45 mile, crossing an existing 69-kV transmission line. The link angles to the north-northwest for approximately 1.02 miles, paralleling the west side of the existing 69-kV transmission line. The link terminates at the intersection with Links Z5 and C6, on the west side of the existing 69-kV transmission line.

Newspaper Publication List

The Progress

Three Rivers, Live Oak County

Bee-Picayune

Beeville, Bee County



AEP Texas
400 W 15 Street Suite 1520
Austin TX 78701
aeptexas.com

BOUNDLESS ENERGY

April 5, 2019

The Honorable Lori Cobos Office of Public Utility Counsel P.O. Box 12397 Austin, Texas 78711-2397

Re: PUC Docket No. 49347

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

Dear Public Counsel Cobos:

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificate of Convenience and Necessity (CCN) to construct a 138-kV electric transmission line in Live Oak and Bee Counties, Texas (Project).

The Project consists to two different transmission line segments. The first segment will begin at the existing AEP Texas Three Rivers Substation located northeast of the City of Three Rivers on State Highway 72 in Live Oak County, Texas. This segment of the Project will extend southeast until it reaches the proposed AEP Texas Borglum Substation to be located south of the City of Beeville on U.S. Highway 181 Business in Bee County, Texas. This portion of the Project is referred to as the Three Rivers to Borglum Segment, or the TRB Segment. The second segment of the Project will begin at the proposed Borglum Substation and will continue in a northerly direction until it reaches the existing AEP Texas Tuleta Substation located north of the community of Tuleta in Bee County. This portion of the Project is referred to as the Borglum to Tuleta Segment, or the BT Segment.

AEP Texas routing options for this Project range from approximately 28.32 miles to 46.70 miles for the TRB Segment, and 21.66 to 37.52 miles for the BT Segment. The estimated cost of the routing options ranges from approximately \$34.311 million to \$56.190 million for the TRB Segment, and \$39.539 million to \$63.635 million for the BT Segment. AEP Texas plans to construct the transmission line on steel single-pole structures.

AEP Texas has filed an application with the Public Utility Commission of Texas (PUC) in Docket No. 49347 - Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties (Application).

Persons who wish to intervene in the proceeding or comment upon the action sought should mail their requests to intervene or their comments (along with 10 copies) to the following address:

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

The deadline for intervention in the proceeding is May 20, 2019, and a letter requesting intervention should be received by the Public Utility Commission of Texas by that date.

A map illustrating AEP Texas routing options is enclosed for your review. Also enclosed is a written description of the routing links that make up the routes that have been filed with the Commission in AEP Texas CCN Application. Detailed routing maps may be reviewed on the internet at www.aeptexas.com/liveoak; or during normal library hours at:

Live Oak County Library 102 Le Roy St. Three Rivers, Texas Joe Barnhart Bee County Library 110 W. Corpus Christi St. Beeville, Texas

To obtain additional information about this case, contact the Public Utility Commission at (512) 936-7120 or (888) 782-8477. Hearing-and speech-impaired individuals with text telephones (TTY) may contact the PUC at (512) 936-7136 or toll free at (800) 735-2989.

If you have questions about the transmission line, please contact me at (512) 481-4572.

Sincerely,

Randal E. Roper Regulatory Case Manager

Enclosures



AEP Texas 400 W 15¹¹ Street, Suite 1520 Austin TX 78701 aeptexas.com

April 5, 2019

Wildlife Habitat Assessment Program Wildlife Division Texas Parks and Wildlife Department 4200 Smith School Road Austin, Texas 78744

Re: PUC Docket No. 49347

Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties

AEP Texas Inc. (AEP Texas) gives notice of its intent to amend its Certificate of Convenience and Necessity (CCN) to construct a 138-kV electric transmission line in Live Oak and Bee Counties, Texas (Project).

I have enclosed a copy of the Companies' application for this project. In accordance with the requirements of 16 TAC §22.52 and the PUC's CCN Application form, the *Environmental Assessment and Alternative Route Analysis* for this project is included for your review as Attachment 1 of this application.

If you have questions about the transmission line project, please contact me at (512) 481-4572.

Sincerely,

Randal E. Roper

Regulatory Case Manager

Enclosures

AFFIDAVIT

STATE OF TEXAS

COUNTY OF TRAVIS

I, Mel L. Eckhoff, being duly sworn, file this affidavit as Regulatory Consultant for American Electric Power Service Corporation. In such capacity, I am qualified and authorized to file and verify that a copy of the Application of AEP Texas Inc. to Amend its Certificate of Convenience and Necessity for the Three Rivers to Borglum to Tuleta 138-kV Transmission Line in Live Oak and Bee Counties, which includes the Environmental Assessment and Alternative Route Analysis as Attachment 1; has been provided via U.S. First Class Mail to the Texas Parks and Wildlife Department at the following address:

Wildlife Habitat Assessment Program Wildlife Division Texas Parks and Wildlife Department 4200 Smith School Road Austin, Texas 78744

Mel L. Eckhoff

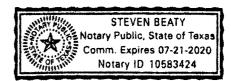
Regulatory Consultant

American Electric Power Service Corporation

SUBSCRIBED AND SWORN TO BEFORE ME.

a Notary Public in and for the State of Texas, this the 5th day of April, 2019.

Notary Public State of Texas



AFFIDAVIT

STATE OF OKLAHOMA

COUNTY OF TULSA

I, Dave L. Goetz, being duly sworn, file this application as Project Manager for American Electric Power Service Corporation. In such capacity, I am qualified and authorized to file and verify such application, am personally familiar with the maps and attachments filed with this application, and have complied with all the requirements contained in the application; and, that all statements made and matters set forth therein and all attachments attached thereto are true and correct. I further state that the application is made in good faith and that this application does not duplicate any filing presently before the Commission.

> Dave L. Goetz **Project Manager**

American Electric Power Service Corporation

SUBSCRIBED AND SWORN TO BEFORE ME,

a Notary Public in and for the State of Oklahoma,

this the 3rd day of April, 2019.

Notary Public State of Oklahoma

My Commission Expires: March 6, 2022

