

# Application of LCRA Transmission Services Corporation to Amend its Certificate of Convenience and Necessity for the Proposed Blumenthal Substation and 138-kV Transmission Line Project in Blanco, Gillespie and Kendall counties, Texas

## PUBLIC UTILITY COMMISSION OF TEXAS (PUC) DOCKET NO. 43599

LCRA Transmission Services Corporation (LCRA TSC) provides this notice of intent to amend its Certificate of Convenience and Necessity (CCN) to construct the proposed Blumenthal Substation and 138-kilovolt (kV) Transmission Line Project in Blanco, Gillespie and Kendall counties, Texas.

The proposed transmission line will connect Central Texas Electric Cooperative's (CTEC) new Blumenthal Substation, located in the Blumenthal area in Gillespie County, to LCRA TSC's existing Kendall-to-Mountain Top (T342) transmission line, which runs through northern Kendall and western Blanco counties. The new transmission line may be located in portions of Blanco, Gillespie and Kendall counties. The entire project will be about 10 to 17 miles in length, and is estimated to cost approximately \$24.5 million to \$40.1 million, depending upon the final route chosen by the PUC.

People with questions about the transmission line can call LCRA Siting and Certification Manager Lance Wenmohs at 512-578-4495 or 800-776-5272, Ext. 4495.

The CCN application including detailed routing maps illustrating the proposed transmission line project and project area may be reviewed at these locations:

- LCRA offices at 3505 Montopolis Drive, Building D, Austin, Texas 78744. An appointment must be made to obtain or review the map by contacting LCRA at 512-578-4495 or 800-776-5272, Ext. 4495;
- The project website at [www.lcra.org/blumenthal](http://www.lcra.org/blumenthal)
- Blanco County Courthouse at 101 E. Pecan Drive, Johnson City, TX 78636
- Gillespie County Courthouse at 101 W. Main St., Fredericksburg, TX 78624
- Kendall County Courthouse at 201 E. San Antonio Ave., Boerne, TX 78006

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

People who are affected by the proposed transmission line and wish to intervene in the docket or comment on the applicant's 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**

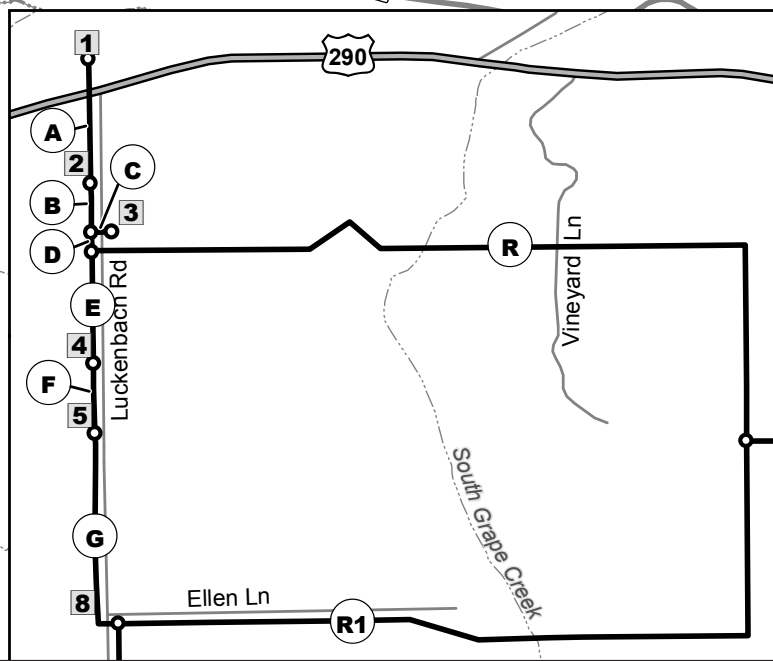
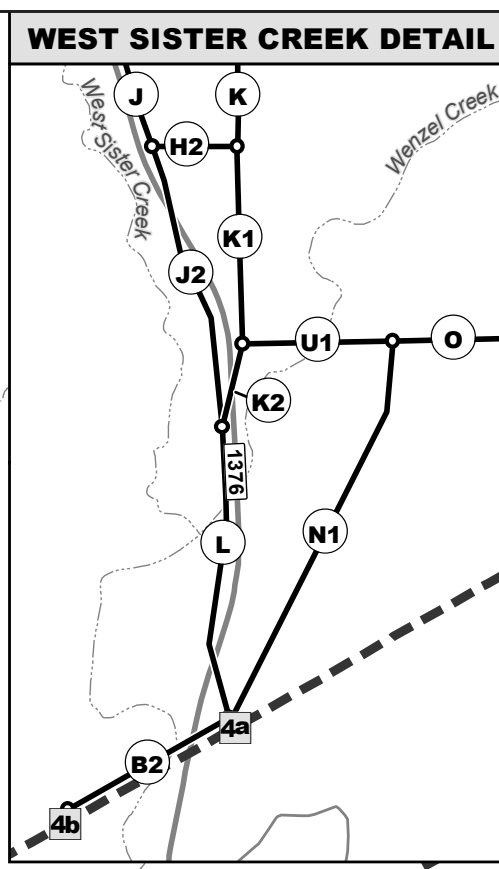
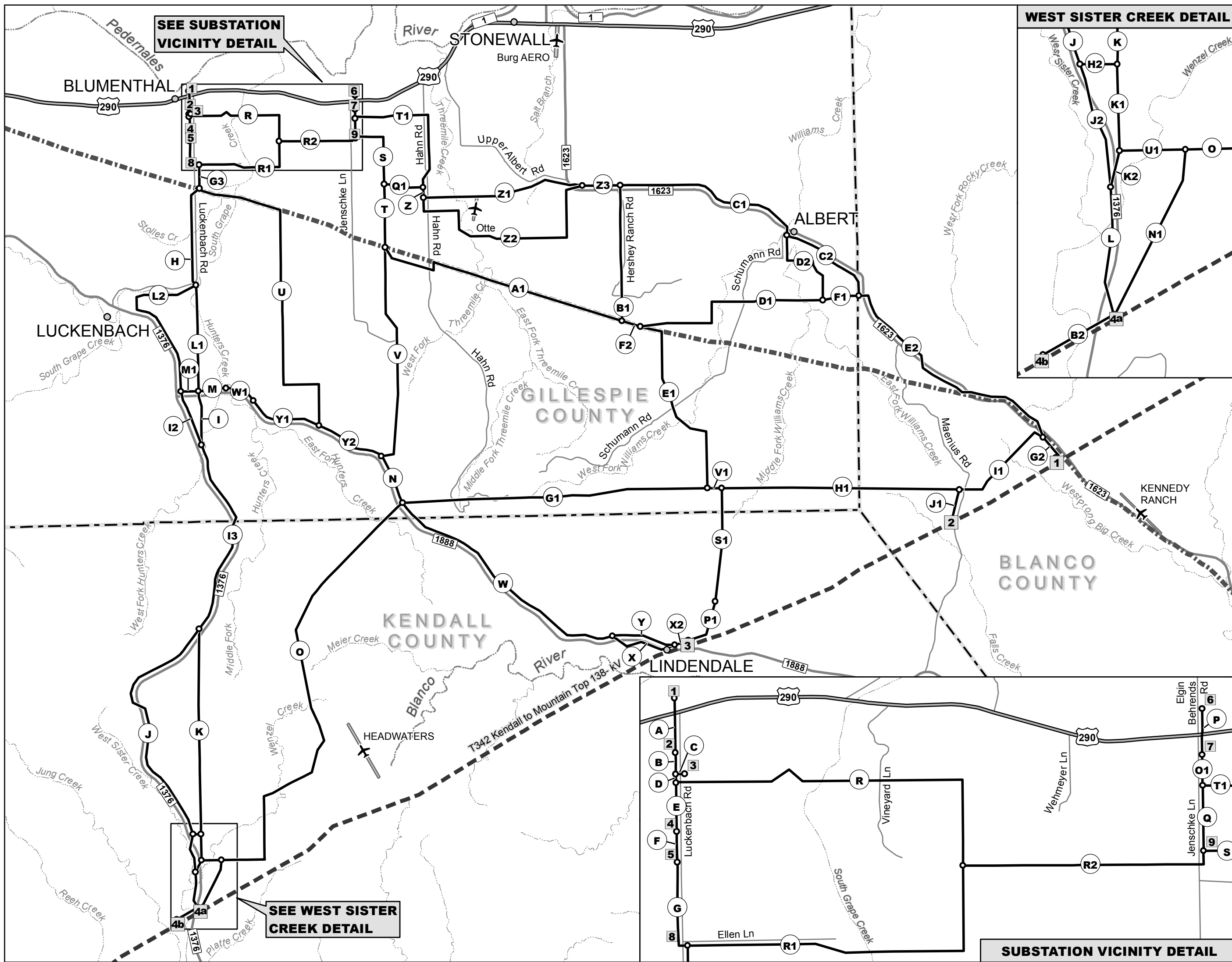
People who wish to intervene in the docket must also mail a copy of their request for intervention to all parties in the docket and all people who have pending motions to intervene, at or before the time the request for intervention is mailed to the PUC. The only way to fully participate in the PUC's 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 people informed of the PUC's proceedings and cannot predict which route may or may not be approved by the PUC.

The deadline for intervention in the docket is December 15, 2014, and the PUC should receive a letter from anyone requesting intervention by that date.

The PUC has a brochure titled "Landowners and Transmission Line Cases at the PUC." Copies of the brochure are available from Lance Wenmohs at 512-578-4495 or 800-776-5272, Ext. 4495 or may be downloaded from the PUC's website at [www.puc.state.tx.us](http://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. 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 already made in the docket.

## Blumenthal Substation and 138-kV Transmission Line Project Segment Descriptions

Primary Alternative Routes	Segment Combinations	Substation Alternative	Tap Point Alternative
1	A-B-D-E-F-G-G3-H-L2-I2-I3-J-I2-L-B2	1	4b
2	A-B-D-R-R2-S-Q1-Z-Z1-Z3-C1-C2-E2-G2	1	1
3	B-D-E-F-G-G3-H-L1-I-I3-K-K1-K2-L	2	4a
4	B-D-E-F-G-R1-R2-S-Q1-Z-Z2-Z3-B1-F2-E1-V1-S1-P1	2	3
5	C-D-E-F-G-G3-H-L1-M1-I2-I3-K-H2-I2-L-B2	3	4b
6	C-D-E-F-G-G3-U-Y2-N-G1-V1-H1-I1-G2	3	1
7	F-G-G3-H-L1-I-I3-K-K1-U1-N1-B2	4	4b
8	F-G-R1-R2-S-T-A1-F2-D1-F1-E2-G2	4	1
9	G-G3-H-L1-M-W1-Y1-Y2-N-W-X-X2	5	3
10	G-R1-R2-S-Q1-Z-Z2-Z3-C1-D2-F1-E2-G2	5	1
11	G3-H-L1-I-I3-K-K1-K2-L	8	4a
12	R1-R2-S-T-A1-F2-E1-V1-H1-J1	8	2
13	P-O1-Q-S-T-V-N-W-Y-X2	6	3
14	P-O1-T1-Z1-Z3-C1-C2-E2-G2	6	1
15	Q1-Q-S-T-V-N-O-N1	7	4a
16	Q1-Q-S-T-A1-F2-E1-V1-H1-J1	7	2
17	S-T-V-N-W-X-X2	9	3
18	S-Q1-Z-Z2-Z3-B1-F2-D1-F1-E2-G2	9	1
19	G3-U-Y2-N-W-Y-X2	8	3
20	R2-R1-G3-H-L1-I-I3-K-K1-K2-L-B2	9	4b



### Primary Alternative Route Segments

Blumenthal Substation and 138 – kV Transmission Line Project

**POWER ENGINEERS** **LCRA**  
ENERGY-WATER-COMMUNITY SERVICES

**Project Components**

- 1 Project Substation Alternative and Label
- 1-1 Project Tap Point Alternative and Label
- A Primary Alternative Route Segment, Node and Label
- Existing Project Transmission Line

**Ground Transportation**

- 290 US Highway
- 1888 Farm to Market Road
- Local Road

**Land Use**

- Abandoned Pipeline Right of Way

**Air Transportation**

- Airstrip

**Administrative Boundaries** **Surface Water**

- Town or Community
- County Boundary
- ~ River
- ~ Stream

Note: Some legend symbols are enlarged for easier identification.

**Project Location**

0 0.5 1 2 3 Miles

**Segment A** — Segment A begins at proposed Project Substation Alternative 1, located approximately .04 mile north from the intersection of US Highway (US Hwy) 290 and Luckenbach Road. The segment proceeds south for approximately .07 mile, crossing US Hwy 290. It then continues south for approximately .16 mile while paralleling the west side of Luckenbach Road. The termination of Segment A is at the intersection of segments A and B and proposed Project Substation Alternative 2 located approximately .09 mile south from the intersection of US Hwy 290 and Luckenbach Road.

**Segment B** — Segment B begins at the intersection of segments A and B and proposed Project Substation Alternative 2 located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately .10 mile while paralleling the west side of Luckenbach Road. The termination of Segment B is at the intersection of segments B, C and D.

**Segment C** — Segment C begins at the intersection of segments B, C and D, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds east for approximately .03 mile, crossing Luckenbach Road. The termination of Segment C is at proposed Project Substation Alternative 3 located approximately .25 mile south from the intersection of US Hwy 290 and Luckenbach Road.

**Segment D** — Segment D begins at the intersection of segments B, C and D located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately .03 mile while paralleling the west side of Luckenbach Road. The termination of Segment D is at the intersection of segments D, E and R.

**Segment E** — Segment E begins at the intersection of segments D, E and R located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately .20 mile while paralleling the west side of Luckenbach Road. The termination of Segment E is at the intersection of segments E and F and proposed Project Substation Alternative 4 located approximately .42 mile south from the intersection of US Hwy 290 and Luckenbach Road.

**Segment F** — Segment F begins at the intersection of segments E and F and proposed Project Substation Alternative 4 located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately .10 mile while paralleling the west side of Luckenbach Road. The termination of Segment F is at proposed Project Substation Alternative 5 located approximately .55 mile south from the intersection of US Hwy 290 and Luckenbach Road.

**Segment G** — Segment G begins at the intersection of segment F and G and proposed Project Substation Alternative 5 located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately .33 mile while paralleling the west side of Luckenbach Road and entering proposed Project Substation Alternative 8 located approximately .89 mile south from the intersection of US Hwy 290 and Luckenbach Road. It then turns east for approximately .03 mile, exiting proposed Project Substation Alternative 8 and crossing Luckenbach Road. The termination of Segment G is at the intersection of segments G, R1 and G3.

**Segment H** — Segment H begins at the intersection of segments H, U and G3, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds southeast for approximately .10 mile, crossing Luckenbach Road. It then angles south for approximately 1.16 miles while paralleling the west side of Luckenbach Road, crossing Stollers Creek. The segment continues south for about .06 mile, crossing Luckenbach Road. The termination of Segment H is at the intersection of segments H, L1 and L2.

**Segment I** — Segment I begins at the intersection of segments L, M, L1 and M1, located east from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately .17 mile, then angles south for approximately .65 mile, crossing West Fork Hunters Creek. The termination of Segment I is at the intersection of segments I, I2 and I3.

**Segment J** — Segment J begins at the intersection of segments J, K and I3, located south from the intersection of FM 1376 and FM 1888. The segment proceeds southwest for approximately 1.36 miles while paralleling the west side of FM 1376. It then angles southwest for about .13 mile, crossing FM 1376. At this point, the segment angles south-southwest for approximately 1.89 miles while paralleling the east side of FM 1376. The termination of Segment J is at the intersection of segments J, H2 and J2.

**Segment K** — Segment K begins at the intersection of segments I, K and I3, located south from the intersection of FM 1376 and FM 1888. The segment proceeds south for approximately 2.72 miles, crossing FM 1376. The termination of Segment K is at the intersection of segments K, K1 and H2.

**Segment L** — Segment L begins at the intersection of segments L, J2 and K2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately .10 mile, crossing Luckenbach Road. It then angles southeast for approximately .44 mile, crossing FM 1376. The termination of Segment L is at proposed Project Tap Point Alternative 4a.

**Segment M** — Segment M begins at the intersection of segments L, M, L1 and M1, located east from the intersection of FM 1376 and FM 1888. The segment proceeds east for approximately .40 mile while paralleling the north side of FM 1888. The termination of Segment M is at the intersection of segments M, O, W and G1.

**Segment N** — Segment N begins at the intersection of segments N, V and Y2, located southeast from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately .70 mile while paralleling the east side of FM 1888. The termination of Segment N is at the intersection of segments N, O, W and G1.

**Segment O** — Segment O begins at the intersection of segments N, O, W and G1, located southeast from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately 2.23 miles, crossing FM 1888, the Gillespie/Kendall county line and East Fork Hunters Creek. It then angles south-southeast for approximately 1.56 miles. The segment then angles southeast for about .17 mile and then angles south-southwest for about .29 mile, crossing Wenzel Creek. At this point, the segment turns west-southwest for approximately .73 mile, crossing Wenzel Creek and then turns north for approximately .86 mile, crossing Wenzel Creek. Finally, the segment turns west for about .38 mile. The termination of Segment O is at the intersection of segments O, N1 and U1.

**Segment P** — Segment P begins at proposed Project Substation Alternative 6, located north approximately .09 mile from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds south for approximately .20 mile while paralleling the east side of Elgin-Behrends Road and Jenschke Lane, crossing US Hwy 290. The termination of Segment P is at the intersection of segments P and O1 and at proposed Project Substation Alternative 7, located south approximately .01 mile from the intersection of US Hwy 290 and Jenschke Lane.

**Segment Q** — Segment Q begins at the intersection of segments Q, O1 and T1, located south from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds south for approximately .30 mile while paralleling the east side of Jenschke Lane. The termination of Segment Q is at the intersection of segments Q, S and R2 and at proposed Project Substation Alternative 9, located south approximately .40 mile from the intersection of US Hwy 290 and Jenschke Lane.

**Segment R** — Segment R begins at the intersection of segments D, E and R, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds east for approximately .38 mile, crossing Luckenbach Road. The segment angles northeast for about .09 mile and then angles southeast for about .07 mile. The segment continues east for approximately .66 mile, crossing South Grape Creek and Vineyard Lane. Finally, the segment turns south for approximately .35 mile. The termination of Segment R is at the intersection of segments R, R1 and R2.

**Segment S** — Segment S begins at the intersection of segments Q, S and R2 and at proposed Project Substation Alternative 9, located south from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east for approximately .42 mile and then turns south for approximately .64 mile. The termination of Segment S is at the intersection of segments S, T and Q1.

**Segment T** — Segment T begins at the intersection of segments S, T and Q1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds south for approximately .86 mile. The termination of Segment T is at the intersection of segments T, V and A1.

**Segment U** — Segment U begins at the intersection of segments H, U and G3, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds southeast for approximately 1.18 miles utilizing an abandoned pipeline corridor, crossing Stollers Creek and South Grape Creek. It then turns south for about 2.37 miles and then turns east for about .48 mile. At this point, the segment turns south for approximately .61 mile. The termination of Segment U is at the intersection of segments U, Y1 and Y2.

**Segment V** — Segment V begins at the intersection of segments T, V and A1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds south for approximately .90 mile and then angles to the southeast for approximately .24 mile. The segment turns south for approximately 1.71 miles and then turns west-southwest for approximately .21 mile. The termination of Segment V is at the intersection of segments V, N and Y2.

**Segment W** — Segment W begins at the intersection of segments N, O, W and G1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east-southeast for approximately 3.42 miles while paralleling the east side of FM 1888, crossing the Gillespie/Kendall county line. The termination point of Segment W is at the intersection of segments W, X and Y.

**Segment X** — Segment X begins at the intersection of segments W, X and Y, located south from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately .21 mile, crossing FM 1888. It then angles northeast for about .20 mile and then angles southeast for about .35 mile while paralleling the west side of FM 1888. At this point, the segment turns northeast for approximately .13 mile while paralleling the north side of Kendall to Mountain Top 138-kV transmission line, crossing FM 1888. The termination point of Segment X is at the intersection of segments X, Y and X2.

**Segment Y** — Segment Y begins at the intersection of segments W, X and Y, located south from the intersection of US Hwy 290 and FM 1623. The segment proceeds east-southeast for approximately .86 mile while paralleling the east side of FM 1888. The termination point of Segment Y is at the intersection of segments Y, N and X2.

**Segment Z** — Segment Z begins at the intersection of segments Z, Q1 and T1, located south from the intersection of US Hwy 290 and Hahn Road. The segment proceeds south for approximately .14 mile while paralleling the west side of Hahn Road. The termination point of Segment Z is at the intersection of segments Z, Z1 and Z2.

**Segment A1** — Segment A1 begins at the intersection of segments T, V and A1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds southeast for approximately .17 mile and then angles east-southeast for approximately .55 mile. It then turns north for about .11 mile and then angles to the southeast for about 2.77 miles utilizing the abandoned pipeline corridor, crossing Threemile Creek. The termination point of Segment A1 is at the intersection of segments A1, B1 and F2.

**Segment B1** — Segment B1 begins at the intersection of segments B1, C1 and Z3, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds south for approximately .27 mile, crossing FM 1623 and Hershey Ranch Road. It then continues south for about .76 mile while paralleling the west side of Hershey Ranch Road. The segment continues south again for approximately .79 mile, crossing Hershey Ranch Road twice. The termination point of Segment B1 is at the intersection of segments A1, B1 and F2.

**Segment C1** — Segment C1 begins at the intersection of segments B1, C1 and Z3, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds east-southeast for approximately 2.40 miles while paralleling the north side of FM 1623, crossing FM 1888. The termination point of Segment C1 is at the intersection of segments C1, C2 and D2.

**Segment D1** — Segment D1 begins at the intersection of segments D1, E1 and F2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds east for approximately .96 mile. It then turns north for about .29 mile and then turns east for about 1.51 miles, crossing West Fork Williams Creek and Williams Creek. The termination point of Segment D1 is at the intersection of segments D1, F1 and D2.

**Segment E1** — Segment E1 begins at the intersection of segments D1, E1 and F2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately .29 mile while utilizing an abandoned pipeline corridor. It then turns south for about .64 mile and then angles south-southeast for about .35 mile. At this point, the segment angles southeast for approximately 2.43 miles, crossing West Fork Williams Creek and then angles again east-southeast for approximately .22 mile. Finally, it turns south for approximately .77 mile. The termination of Segment E1 is at the intersection of segments E1, G1 and V1.

**Segment F1** — Segment F1 begins at the intersection of segments D1, F1 and D2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately .27 mile, crossing FM 1623 and Hershey Ranch Road. It then continues south for about .76 mile while paralleling the west side of Hershey Ranch Road. The segment continues south again for approximately .79 mile, crossing Hershey Ranch Road twice. The termination point of Segment F1 is at the intersection of segments F1, G1 and V1.

**Segment G1** — Segment G1 begins at the intersection of segments N, O, W and G1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east for approximately 2.59 miles, crossing Hahn Road, Middle Fork Threemile Creek, Hahn Road three times, and West Fork Williams Creek. It then angles to the northeast for about .49 mile and then continues east for about 1.09 miles. The termination of Segment G1 is at the intersection of segments E1, G1 and V1.

**Segment H1** — Segment H1 begins at the intersection of segments H1, S1 and V1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east for approximately 3.27 miles, crossing Middle Fork Williams Creek and the Blanco/Gillespie county line. The termination of Segment H1 is at the intersection of segments H1, I1 and J1.

**Segment I1** — Segment I1 begins at the intersection of segments H1, I1 and J1, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds east for approximately .26 mile. It then angles northeast for about 1.11 miles, crossing West Prong Big Creek, and then turns southeast for about .13 mile. The termination point of Segment I1 is at the intersection of segments I1, E2 and G2.

**Segment J1** — Segment J1 begins at the intersection of segments H1, I1 and J1, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southwest for approximately .41 mile while paralleling the west side of County Road 207. It then angles west-southwest for approximately .05 mile while paralleling the north side of Kendall to Mountain Top 138-kV transmission line. The termination point of Segment J1 is at proposed Project Tap Point Alternative 2.

**Segment K1** — Segment K1 begins at the intersection of segments K, K1, and H2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds south for approximately .36 mile. The termination point of Segment K1 is at the intersection of segments K1, U1 and K2.

**Segment L1** — Segment L1 begins at the intersection of segments H, L1 and L2, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds south for approximately 1.50 miles, crossing Hunters Creek twice. The termination point of Segment L1 is at the intersection of segments L1, M1 and M1.

**Segment M1** — Segment M1 begins at the intersection of segments M1, I2 and L2, located east from the intersection of FM 1376 and FM 1888. The segment proceeds east for approximately .28 mile while paralleling the north side of FM 1888. The termination of Segment M1 is at the intersection of segments L, M, L1 and M1.

**Segment N1** — Segment N1 begins at the intersections of segments O, N1 and U1, located southeast from the intersection of FM 1376 and FM 1888. The segment proceeds south-southwest for approximately .13 mile and then angles southwest for approximately .62 mile. The termination of Segment N1 is at proposed Project Tap Point Alternative 4a.

**Segment O1** — Segment O1 begins at the intersection of segments O1 and P and at proposed Project Substation Alternative 7, located south from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds south for approximately .13 mile while paralleling the east side of Jenschke Lane. The termination point of Segment O1 is at the intersection of segments Q, O1 and T1.

**Segment P1** — Segment P1 begins at the intersection of segments P1, S1 and S1, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds south for approximately .71 mile, crossing the Gillespie/Kendall county line. It then angles southwest for approximately .83 mile. The termination of Segment P1 is at the intersection of segments P1 and S1.

**Segment Q1** — Segment Q1 begins at the intersection of segments S, T and Q1, located southeast from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east for approximately .12 mile and then angles southeast for approximately .12 mile. It then continues east for about .34 mile. The termination point of Segment Q1 is at the intersection of segments Z, Q1 and T1.

**Segment R1** — Segment R1 begins at the intersection of segments G, R1 and G3, located south from the intersection of US Hwy 290 and Luckenbach Road. The segment proceeds east for approximately .53 mile and then angles to the southeast for approximately .13 mile. At this point, the segment continues east for about .49 mile, crossing South Grape Creek, and then turns north for about .35 mile. The termination point of Segment R1 is at the intersection of segments R, R1 and R2.

**Segment S1** — Segment S1 begins at the intersection of segments H1, S1 and S1, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds south for approximately .71 mile, crossing the Gillespie/Kendall county line. It then angles southwest for approximately .83 mile. The termination of Segment S1 is at the intersection of segments P1 and S1.

**Segment T1** — Segment T1 begins at the intersection of segments Q, O1 and T1, located south from the intersection of US Hwy 290 and Jenschke Lane. The segment proceeds east for approximately 1.00 mile, crossing Hahn Road. It then turns south for approximately .79 mile while paralleling the east side of Hahn Road, crossing Hahn Road. The segment continues north for about .20 mile while paralleling west side of Hahn Road. The termination of Segment T1 is at the intersection of segments Z, Q1 and T1.

**Segment U1** — Segment U1 begins at the intersection of segments K1, U1 and K2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds east for approximately .27 mile, crossing Wenzel Creek. The termination of Segment U1 is at the intersection of segments O, N1 and U1.

**Segment V1** — Segment V1 begins at the intersection of segments E1, G1 and V1, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds east for approximately .20 mile. The termination of Segment V1 is at the intersection of segments H1, S1 and V1.

**Segment W1** — Segment W1 begins at the intersection of segments M, L1 and L2, located east from the intersection of FM 1376 and FM 1888. The segment proceeds east for approximately .40 mile while paralleling the north side of FM 1888, crossing Hunters Creek. The termination of Segment W1 is at the intersection of segments W1 and Y1.

**Segment Y1** — Segment Y1 begins at the intersection of segments W1 and Y1, located southeast from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately 1.06 mile while paralleling the north side of FM 1888. The termination of Segment Y1 is at the intersection of segments U, Y1 and Y2.

**Segment Z1** — Segment Z1 begins at the intersection of segments Z, Z1 and Z2, located south from the intersection of US Hwy 290 and Hahn Road. The segment proceeds east for approximately .95 mile, crossing Hahn Road and Threemile Creek. It then angles northeast for approximately .49 mile, crossing Upper Albert Road. The segment continues northeast for about .22 mile while paralleling the north side of Upper Albert Road, crossing Sulf Branch. It then turns east-southeast for about .34 mile while paralleling Upper Albert Road, crossing FM 1623. At this point, the segment angles southeast for about .24 mile while paralleling the east side of FM 1623. The termination of Segment Z1 is at the intersection of segments Z1, Z2 and Z3.

**Segment B2** — Segment B2 begins at the intersection of segments L, N1 and B2 and proposed Project Tap Point Alternative 4a located south from the intersection of FM 1376 and FM 1888. The segment proceeds southwest for approximately .34 mile while paralleling the north side of the Kendall to Mountain Top 138-kV transmission line, crossing West Sister Creek. The termination of Segment B2 is at proposed Project Tap Point Alternative 4b.

**Segment C2** — Segment C2 begins at the intersection of segments C1, C2 and D2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately 1.49 miles while paralleling the south side of FM 1623, crossing Williams Creek and the Blanco/Gillespie county line. The termination point of Segment C2 is at the intersection of segments F1, C2 and E2.

**Segment D2** — Segment D2 begins at the intersection of segments C1, C2 and D2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds south for approximately .08 mile, crossing Williams Creek and Schumann Road. It then continues south for about .31 mile while paralleling the east side of Schumann Road and continues south again for about .04 mile, crossing Williams Creek. It then turns east for approximately .39 mile, crossing Williams Creek. The segment then curves to the southeast for about .26 mile and turns south for about .33 mile. The termination of Segment D2 is at the intersection of segments D1, F1 and D2.

**Segment E2** — Segment E2 begins at the intersection of segments F1, C2 and E2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds east for approximately .03 mile, crossing FM 1623. It then turns southeast for approximately 1.29 miles while paralleling the east side of FM 1623, crossing FM 1623. It then continues southeast for about .22 mile while paralleling the west side of FM 1623. At this point, the segment turns east-southeast for approximately .49 mile while paralleling the east side of FM 1623, crossing FM 1623. The segment angles south-southeast for approximately .73 mile paralleling the east side of FM 1623, crossing FM 1623. The termination point of Segment E2 is at the intersection of segments I1, E2 and G2.

**Segment F2** — Segment F2 begins at the intersection of segments A1, B1 and F2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately .22 mile while utilizing an abandoned pipeline corridor. The termination of Segment F2 is at the intersection of segments D1, E1 and F2.

**Segment G2** — Segment G2 begins at the intersection of segments L1, E2 and G2, located southeast from the intersection of US Hwy 290 and FM 1623. The segment proceeds southeast for approximately .37 mile while paralleling the west side of FM 1623. It then turns southwest for approximately .09 mile. The termination of Segment G2 is at proposed Project Tap Point Alternative 1.

**Segment H2** — Segment H2 begins at the intersection of segments K, K1 and H2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds west for approximately .15 mile. The termination of Segment H2 is at the intersection of segments J1 and J2.

**Segment I2** — Segment I2 begins at the intersection of segments M1, I2 and L2, located east from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately .86 mile while paralleling the east side of FM 1376, crossing FM 1888. The termination of Segment I2 is at the intersection of segments I, I2 and I3.

**Segment J2** — Segment J2 begins at the intersection of segments J, H2 and J2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds southeast for approximately .20 mile, crossing FM 1376. It then angles south for approximately .06 mile while paralleling the east side of Jenschke Lane. The termination of Segment J2 is at the intersection of segments L, I2 and K2.

**Segment K2** — Segment K2 begins at the intersection of segments K1, U1 and K2, located south from the intersection of FM 1376 and FM 1888. The segment proceeds southwest for approximately 1.51 mile, crossing FM 1376. The termination of Segment K2 is at the intersection of segments L, I2 and K2.

**Segment**