

CPS Energy
Omicron 138 kV Transmission Line Project
PUC Docket No. 58276
Detailed Route Description

Project Segment Descriptions

In its CCN application for this project, CPS Energy have presented 31 alternative routes comprised of 49 segments for consideration by the PUC. The following table lists the segment combinations that make up CPS Energy's 31 alternative routes and the length of each alternative route in miles. All routes and segments are available for selection and approval by the PUC. Only one multi-segment transmission line route will ultimately be constructed.

Primary Alternative Route ID	Alternative Route Segment Composition	Total Length in Miles
1	A1-A2-B2-B4-C1-C2-D3-C4-D5-C5-C6-C7-C8	7.32
2	A1-A2-B1-D1-E1-E2-F2-G1-G4-H6-H7-C6-C7-C8	7.65
3	A1-A2-B1-D1-E1-E2-E3-E4-H1-H3-H4-I1-I2-I3-I4-J2-C7-C8	7.04
4	A1-A2-B1-D1-E1-E2-E3-E4-H1-H5-H7-C6-C7-C8	6.84
5	A1-A2-B1-B3-C1-C2-C3-C5-C6-C7-C8	7.16
6	A1-A2-B1-B3-C1-C2-C3-D5-D6-H1-H5-H7-C6-C7-C8	7.02
7	A1-A2-B1-B3-C1-C2-D3-D4-E4-D6-D5-C5-C6-C7-C8	7.72
8	A1-A2-B1-B3-C1-C2-D3-C4-D6-H1-H3-H4-I1-J1-C6-C7-C8	7.29
9	A1-A3-A5-D2-E2-F2-G1-G2-G5-I3-I4-J2-C7-C8	7.62
10	A1-A3-A5-C2-D3-C4-D6-H1-H5-H7-C6-C7-C8	7.02
11	A1-A3-A5-C2-D3-C4-D5-C5-C6-C7-C8-	7.36
12	A1-A3-A4-B4-C1-C2-D3-D4-E4-H1-H2-H4-I1-I2-I3-I4-J2-C7-C8	7.54
13	A1-A3-A4-B4-C1-C2-D3-C4-D5-C5-C6-C7-C8	7.40
14	A1-A2-B2-B4-C1-D2-E2-E3-E4-H1-H3-H4-I1-I2-I3-I4-I5	5.66
15	A1-A2-B1-D1-E1-E2-F2-G1-G2-G3-I4-I5	5.72
16	A1-A2-B1-D1-E1-E2-E3-E4-H1-H3-H4-I1-I2-I3-I4-I5	5.51
17	A1-A2-B1-D1-F1-G1-G2-G3-I4-I5	5.76
18	A1-A2-B1-B3-C1-D2-E2-F2-G1-G2-G5-I3-I4-I5	6.05
19	A1-A2-B1-B3-C1-C2-C3-C5-C6-J2-I5	7.45
20	A1-A2-B1-B3-C1-C2-D3-D4-E4-H1-H3-H4-I1-I2-I3-I4-I5	5.74
21	A1-A3-A5-D2-E2-F2-G1-G4-I1-I2-I3-I4-I5	6.29
22	A1-A3-A5-D2-E2-E3-E4-H1-H3-H4-I1-I2-I3-I4-I5	5.69
23	A1-A3-A5-C2-C3-D5-D6-H1-H5-H6-I1-I2-I3-I4-I5	6.15
24	A1-A3-A5-C2-D3-D4-E4-H1-H2-H4-I1-I2-I3-I4-I5	5.97
25	A1-A3-A5-C2-D3-C4-D6-H1-H3-H4-I1-I2-I3-I4-I5	5.69
26	A1-A3-A4-B4-C1-C2-D3-C4-D6-H1-H3-H4-I1-I2-I3-I4-I5	5.73
27	A1-A3-A4-B4-C1-C2-D3-C4-D6-H1-H5-H6-I1-I2-I3-I4-I5	6.16
28	A1-A2-B2-B4-C1-C2-D3-C4-D5-C5-C6-C7-J3	7.50
29	A1-A2-B1-D1-E1-E2-E3-E4-H1-H5-H7-C6-C7-J3	7.03
30	A1-A3-A5-C2-D3-C4-D6-H1-H5-H7-C6-C7-J3	7.21
31	A1-A3-A4-B4-C1-C2-D3-D4-E4-H1-H5-H7-C6-C7-J3	7.34

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Segment A1

Segment A1 begins at its intersection with the new CPS Energy-owned Omicron Substation, located approximately 0.21 mile southwest of the intersection of Potranco Road (Farm-to-Market Road (FM) 1957) and Zeta Drive. The segment proceeds south for approximately 0.05 mile. The segment terminates at its intersection with Segments A2 and A3, located approximately 0.22 mile southwest of the intersection of Potranco Road (FM 1957) and Zeta Drive.

Segment A2

Segment A2 begins at its intersection with Segments A1 and A3, located approximately 0.22 mile southwest of the intersection of Potranco Road (FM 1957) and Zeta Drive. The segment proceeds east for approximately 0.21 mile and crosses Zeta Drive. A portion of this segment parallels the south side of an existing 138 kV transmission line. The segment terminates at its intersection with Segments B1 and B2, located approximately 0.09 mile south of the intersection of Potranco Road (FM 1957) and Zeta Drive.

Segment A3

Segment A3 begins at its intersection with Segments A1 and A2, located approximately 0.22 mile southwest of the intersection of Potranco Road (FM 1957) and Zeta Drive. The segment proceeds southwest for approximately 0.09 mile crossing Omicron Drive, then angles south-southeast paralleling the southwest side of Omicron Drive for approximately 0.07 mile, and then angles southeast paralleling the southwest side of Omicron Drive for approximately 0.14 mile. The segment terminates at its intersection with Segments A4 and A5, located approximately 0.02 mile southwest of the intersection of Omicron Drive and Theta Drive.

Segment A4

Segment A4 begins at its intersection with Segments A3 and A5, located approximately 0.02 mile southwest of the intersection of Omicron Drive and Theta Drive. The segment proceeds northeast for approximately 0.17 mile and crosses Omicron Drive, Theta Drive, and Zeta Drive. A portion of this segment parallels the southeast side of Theta Drive. The segment terminates at its intersection with Segments B2 and B4, located approximately 0.02 mile northeast of the intersection of Theta Drive and Zeta Drive.

Segment A5

Segment A5 begins at its intersection with Segments A3 and A4, located approximately 0.02 mile southwest of the intersection of Omicron Drive and Theta Drive. The segment proceeds southeast paralleling the southwest side of Omicron Drive for approximately 0.11 mile, then angles east for approximately 0.06 mile crossing Omicron Drive, and then angles northeast for approximately 0.27 mile. The segment terminates at its intersection with Segments C1, C2 and D2, located approximately 0.03 mile northwest of the intersection of State Highway (SH) 211 and Citibank Drive.

Segment B1

Segment B1 begins at its intersection with Segments A2 and B2, located approximately 0.09 mile south of the intersection of Potranco Road (FM 1957) and Zeta Drive. The segment proceeds east for approximately 0.14 mile. The segment terminates at its intersection with Segments B3 and D1, located approximately 0.11 mile southwest of the intersection of Potranco Road (FM 1957) and SH 211.

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Segment B2

Segment B2 begins at its intersection with Segments A2 and B1, located approximately 0.09 mile south of the intersection of Potranco Road (FM 1957) and Zeta Drive. The segment proceeds south paralleling the east side of Zeta Drive for approximately 0.10 mile. The segment then angles south-southeast for approximately 0.09 mile. The segment terminates at its intersection with Segments A4 and B4, located approximately 0.02 mile northeast of the intersection of Theta Drive and Zeta Drive.

Segment B3

Segment B3 begins at its intersection with Segments B1 and D1, located approximately 0.11 mile southwest of the intersection of Potranco Road (FM 1957) and SH 211. The segment proceeds south for approximately 0.10 mile. The segment then angles south-southeast for approximately 0.09 mile. The segment terminates at its intersection with Segments B4 and C1, located approximately 0.15 mile east of the intersection of Theta Drive and Zeta Drive.

Segment B4

Segment B4 begins at its intersection with Segments A4 and B2, located approximately 0.02 mile northeast of the intersection of Theta Drive and Zeta Drive. The segment proceeds east for approximately 0.14 mile. The segment terminates at its intersection with Segments B3 and C1 located approximately 0.15 mile east of the intersection of Theta Drive and Zeta Drive.

Segment C1

Segment C1 begins at its intersection with Segments B3 and B4, located approximately 0.15 mile east of the intersection of Theta Drive and Zeta Drive. The segment proceeds east for approximately 0.06 mile. The segment then angles south-southeast paralleling the west side of SH 211 for approximately 0.11 mile. The segment terminates at its intersection with Segments A5, C2, and D2, located approximately 0.03 mile northwest of the intersection of SH 211 and Citibank Drive.

Segment C2

Segment C2 begins at its intersection with Segments A5, C1, and D2, located approximately 0.03 mile northwest of the intersection of SH 211 and Citibank Drive. The segment proceeds south-southeast paralleling the west side of SH 211 for approximately 0.23 mile, then angles south-southwest for approximately 0.11 mile crossing a natural gas pipeline and Lambda Drive, and then angles southeast for approximately 0.11 mile. The segment then angles south-southeast for approximately 0.25 mile and then angles south for approximately 0.05 mile. A portion of this segment parallels the west side of SH 211. The segment terminates at its intersection with Segments C3 and D3, located approximately 0.06 mile east of the intersection of Blue Mesa Heights and Sueno Point.

Segment C3

Segment C3 begins at its intersection with Segments C2 and D3, located approximately 0.06 mile east of the intersection of Blue Mesa Heights and Sueno Point. The segment proceeds southeast paralleling the west side of SH 211 for approximately 0.08 mile and crossing an unnamed tributary of Lucas Creek, then angles south-southeast for approximately 0.11 mile, and then angles southeast for approximately 0.07 mile crossing W Grosenbacher Road. The segment then angles south-southeast for approximately 0.2 mile and a portion of this segment parallels the southwest side of SH 211. The segment then angles southeast

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paralleling the southwest side of SH 211 for approximately 0.34 mile crossing Lucas Creek twice and then angles east-southeast for approximately 0.25 mile. A portion of this segment parallels the southwest side of SH 211 and crosses Ladera Hills. The segment terminates at its intersection with Segments C5 and D5, located approximately 0.06 mile west-northwest of the intersection of SH 211 and Briggs Ranch.

Segment C4

Segment C4 begins at its intersection with Segments D3 and D4, located approximately 0.18 mile east of the intersection of Blue Mesa Heights and Sueno Point. The segment proceeds south-southeast for approximately 0.63 mile. A portion of this segment parallels the northeast side of the right-of-way (ROW) of SH 211. The segment then angles east-southeast paralleling the northeast side of the ROW of SH 211 for approximately 0.24 mile and then angles southeast paralleling the northeast side of the ROW of SH 211 for approximately 0.12 mile. The segment terminates at its intersection with Segments D5 and D6, located approximately 0.07 mile northeast of the intersection of SH 211 and Briggs Ranch.

Segment C5

Segment C5 begins at its intersection with Segments C3 and D5, located approximately 0.06 mile west-northwest of the intersection of SH 211 and Briggs Ranch. The segment curves from southeast to south-southeast to south-southwest over approximately 1.08 mile and crosses Lucas Creek. A portion of this segment parallels the west side of SH 211. The segment then angles east for approximately 0.14 mile crossing SH 211 and then angles southeast paralleling the east side of SH 211 for approximately 0.13 mile. The segment then angles east-southeast paralleling the northeast side of SH 211 for approximately 0.12 mile and then angles east for approximately 0.87 mile and crossing Mansions Bluffs, Lucas Creek, and an unnamed tributary of Lucas Creek. A portion of this segment parallels the north side of the ROW of United States Highway (US) 90. The segment terminates at its intersection with Segments C6, H7, and J1, located approximately 0.14 mile northeast of the intersection of US 90 and Olson Ranch Road.

Segment C6

Segment C6 begins at its intersection with Segments C5, H7, and J1, located approximately 0.14 mile northeast of the intersection of US 90 and Olson Ranch Road. The segment proceeds east paralleling the north side of the ROW of US 90 for approximately 0.22 mile, then angles northeast for approximately 0.19 mile, and then angles east for approximately 0.13 mile crossing W T Montgomery. The segment then angles east-southeast for approximately 0.24 mile crossing John D Ryan Boulevard and then angles east-northeast for approximately 0.19 mile. The segment terminates at its intersection with Segments C7 and J2, located approximately 0.11 mile northwest of the intersection of US 90 and Luckey Ranch.

Segment C7

Segment C7 begins at its intersection with Segments C6 and J2, located approximately 0.11 mile northwest of the intersection of US 90 and Luckey Ranch. The segment proceeds east-northeast for approximately 0.29 mile and then angles northeast for approximately 0.11 mile crossing Potranca Creek and Grosenbacher Road. The segment then angles east-northeast for approximately 0.2 mile and then angles northeast for approximately 0.2 mile crossing an unnamed tributary of Potranca Creek. The segment terminates at its intersection with Segments C8 and J3, located approximately 0.16 mile north of the intersection of US 90 and Alamo Canyon.

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Segment C8

Segment C8 begins at its intersection with Segments C7 and J3, located approximately 0.16 mile north of the intersection of US 90 and Alamo Canyon. The segment proceeds east for approximately 0.49 mile, crossing Spurs Ranch, an unnamed waterbody, an unnamed tributary of Potranca Creek, and an existing 345 kV transmission line. The segment terminates at its intersection with the existing Cagnon to Howard 138 kV transmission line, located approximately 0.02 mile north-northwest of the intersection of US 90 and Cagnon Road.

Segment D1

Segment D1 begins at its intersection with Segments B1 and B3, located approximately 0.11 mile southwest of the intersection of Potranco Road (FM 1957) and SH 211. The segment proceeds east for approximately 0.33 mile and crosses SH 211. A portion of this segment parallels the south side of a commercial development unnamed road. The segment terminates at its intersection with Segments E1 and F1, located approximately 0.08 mile southwest of the intersection of Potranco Road (FM 1957) and Stevens Parkway.

Segment D2

Segment D2 begins at its intersection with Segments A5, C1, and C2, located approximately 0.03 mile northwest of the intersection of SH 211 and Citibank Drive. The segment proceeds northeast for approximately 0.36 mile, crossing SH 211. The segment terminates at its intersection with Segments E1 and E2, located approximately 0.06 mile west-southwest of the intersection of Polydora and Crown Daisy.

Segment D3 (bi-directional)

Segment D3 begins at its intersection with Segments C2 and C3, located approximately 0.06 mile east of the intersection of Blue Mesa Heights and Sueno Point. The segment proceeds northeast for approximately 0.12 mile, crossing an unnamed tributary of Lucas Creek and SH 211. The segment terminates at its intersection with Segments C4 and D4, located approximately 0.18 mile east of the intersection of Blue Mesa Heights and Sueno Point.

Segment D4 (bi-directional)

Segment D4 begins at its intersection with Segments C4 and D3, located approximately 0.18 mile east of the intersection of Blue Mesa Heights and Sueno Point. The segment proceeds northeast for approximately 0.31 mile, crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments E3 and E4, located approximately 0.32 mile south-southwest of the intersection of Argos Star and Thera Isle.

Segment D5 (bi-directional)

Segment D5 begins at its intersection with Segments C3 and C5, located approximately 0.06 mile west-northwest of the intersection of SH 211 and Briggs Ranch. The segment proceeds northeast for approximately 0.1 mile, crossing SH 211. The segment terminates at its intersection with Segments C4 and D6, located approximately 0.07 mile northeast of the intersection of SH 211 and Briggs Ranch.

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Segment D6 (bi-directional)

Segment D6 begins at its intersection with Segments C4 and D5, located approximately 0.07 mile northeast of the intersection of SH 211 and Briggs Ranch. The segment proceeds northeast for approximately 0.16 mile. The segment terminates at its intersection with Segments E4 and H1, located approximately 0.13 mile west-northwest of the intersection of Briggs Ranch and Rustlers Trail.

Segment E1

Segment E1 begins at its intersection with Segments D1 and F1, located approximately 0.08 mile southwest of the intersection of Potranco Road (FM 1957) and Stevens Parkway. The segment proceeds southeast for approximately 0.25 mile. The segment terminates at its intersection with Segments D2 and E2, located approximately 0.06 mile west-southwest of the intersection of Polydora and Crown Daisy.

Segment E2

Segment E2 begins at its intersection with Segments D2 and E1, located approximately 0.06 mile west-southwest of the intersection of Polydora and Crown Daisy. The segment proceeds southeast for approximately 0.22 mile, crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments E3 and F2, located approximately 0.07 mile southwest of the intersection of Crown Daisy and Elounda.

Segment E3

Segment E3 begins at its intersection with Segments E2 and F2, located approximately 0.07 mile southwest of the intersection of Crown Daisy and Elounda. The segment proceeds south for approximately 0.23 mile. The segment then angles southeast for approximately 0.29 mile crossing a natural gas pipeline. The segment terminates at its intersection with Segments D4 and E4, located approximately 0.32 mile south-southwest of the intersection of Argos Star and Thera Isle.

Segment E4

Segment E4 begins at its intersection with Segments D4 and E3, located approximately 0.32 mile south-southwest of the intersection of Argos Star and Thera Isle. The segment proceeds southeast for approximately 0.69 mile, crossing an unnamed tributary of Lucas Creek. The segment then angles south-southeast for approximately 0.24 mile, crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments D6 and H1, located approximately 0.13 mile west-northwest of the intersection of Briggs Ranch and Rustlers Trail.

Segment F1

Segment F1 begins at its intersection with Segments D1 and E1, located approximately 0.08 mile southwest of the intersection of Potranco Road (FM 1957) and Stevens Parkway. The segment proceeds east for approximately 0.23 mile crossing an unnamed tributary of Lucas Creek, then angles southeast for approximately 0.11 mile, and then angles east-southeast for approximately 0.2 mile crossing two unnamed tributaries of Lucas Creek. The segment then angles southeast for approximately 0.11 mile crossing an unnamed tributary of Lucas Creek and Laurel Branch, and then angles south-southeast for approximately 0.41 mile crossing Tripoli and a natural gas pipeline. The segment terminates at its intersection with Segments F2 and G1, located approximately 0.09 mile southwest of the intersection of Pillard Summit and Patronus Way.

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Segment F2

Segment F2 begins at its intersection with Segments E2 and E3, located approximately 0.07 mile southwest of the intersection of Crown Daisy and Elounda. The segment proceeds southeast for approximately 0.28 mile crossing a natural gas pipeline. The segment then angles east paralleling the south side of a natural gas pipeline for approximately 0.25 mile, crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments F1 and G1, located approximately 0.09 mile southwest of the intersection of Pillard Summit and Patronus Way.

Segment G1

Segment G1 begins at its intersection with Segments F1 and F2, located approximately 0.09 mile southwest of the intersection of Pillard Summit and Patronus Way. The segment proceeds east paralleling the south side of a natural gas pipeline for approximately 1.03 mile. The segment terminates at its intersection with Segments G2 and G4, located approximately 0.21 mile east-southeast of the intersection of Arcadia Path and W Grosenbacher Road.

Segment G2

Segment G2 begins at its intersection with Segments G1 and G4, located approximately 0.21 mile east-southeast of the intersection of Arcadia Path and W Grosenbacher Road. The segment proceeds east paralleling the south side of a natural gas pipeline for approximately 0.2 mile. The segment then angles southeast paralleling the southwest side of an existing 138 kV transmission line for approximately 0.29 mile, crossing Potranca Creek twice. The segment terminates at its intersection with Segments G3 and G5, located approximately 0.25 mile west-southwest of the intersection of Hurdelbrink Ranch and TB Place.

Segment G3

Segment G3 begins at its intersection with Segments G2 and G5, located approximately 0.25 mile west-southwest of the intersection of Hurdelbrink Ranch and TB Place. The segment proceeds southeast for approximately 0.12 mile crossing Potranca Creek, then angles east-southeast for approximately 0.2 mile crossing Potranca Creek, and then angles southeast for approximately 0.13 mile. The segment then angles south-southeast for approximately 0.15 mile, then angles southeast for approximately 0.1 mile. All segment pieces to this point are paralleling the southwest side of an existing 138 kV transmission line. The segment then angles south for approximately 0.54 mile crossing Potranca Creek twice, then angles south-southwest for approximately 0.11 mile and then angles south for approximately 0.23 mile. The segment terminates at its intersection with Segments I3 and I4, located approximately 0.52 mile east-northeast of the intersection of Puppis and Scorpius.

Segment G4

Segment G4 begins at its intersection with Segments G1 and G2, located approximately 0.21 mile east-southeast of the intersection of Arcadia Path and W Grosenbacher Road. The segment proceeds south for approximately 0.23 mile, then angles southeast for approximately 0.12 mile, and then angles south for approximately 0.15 mile. The segment then angles south-southwest for approximately 0.14 mile, then angles southwest for approximately 0.11 mile, and then angles south-southeast for approximately 0.22 mile. The segment then angles south for approximately 0.09 mile, then angles southwest for approximately 0.09 mile, and then angles south for approximately 0.32 mile crossing an unnamed tributary of Lucas Creek three times and a separate unnamed tributary of Lucas Creek one time. The segment terminates at its

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intersection with Segments H4, H6, and I1, located approximately 0.36 mile southeast of the intersection of Roundup Pass and Brazos Bend.

Segment G5

Segment G5 begins at its intersection with Segments G2 and G3, located approximately 0.25 mile west-southwest of the intersection of Hurdelbrink Ranch and TB Place. The segment proceeds south for approximately 1.26 mile. A portion of this segment parallels the west side of W T Montgomery. The segment terminates at its intersection with Segments I2 and I3, located approximately 0.08 mile north-northeast of the intersection of Puppis and Scorpius.

Segment H1

Segment H1 begins at its intersection with Segments D6 and E4, located approximately 0.13 mile west-northwest of the intersection of Briggs Ranch and Rustlers Trail. The segment proceeds southeast for approximately 0.06 mile crossing Briggs Ranch and then angles east for approximately 0.12 mile. A portion of this segment parallels the south side of Briggs Ranch. This segment then angles southeast for approximately 0.2 mile. The segment terminates at its intersection with Segments H2, H3, and H5, located approximately 0.23 mile southeast of the intersection of Briggs Ranch and Rustlers Trail.

Segment H2

Segment H2 begins at its intersection with Segments H1, H3, and H5, located approximately 0.23 mile southeast of the intersection of Briggs Ranch and Rustlers Trail. The segment proceeds north-northeast for approximately 0.07 mile, then angles northeast for approximately 0.19 mile, and then angles east for approximately 0.06 mile. The segment then angles southeast for approximately 0.2 mile and then angles south-southeast for approximately 0.09 mile. The segment terminates at its intersection with Segments H3 and H4, located approximately 0.22 mile south of the intersection of Roundup Pass and Brazos Bend.

Segment H3

Segment H3 begins at its intersection with Segments H1, H2, and H5, located approximately 0.23 mile southeast of the intersection of Briggs Ranch and Rustlers Trail. The segment proceeds east-southeast for approximately 0.1 mile, then angles east-northeast for approximately 0.21 mile, and then angles southeast for approximately 0.11 mile. The segment terminates at its intersection with Segments H2 and H4, located approximately 0.22 mile south of the intersection of Roundup Pass and Brazos Bend.

Segment H4

Segment H4 begins at its intersection with Segments H2 and H3, located approximately 0.22 mile south of the intersection of Roundup Pass and Brazos Bend. The segment proceeds southeast for approximately 0.1 mile, crossing an unnamed waterbody. The segment then angles east-southeast for approximately 0.11 mile. The segment terminates at its intersection with Segments G4, H6, and I1, located approximately 0.36 mile southeast of the intersection of Roundup Pass and Brazos Bend.

Segment H5

Segment H5 begins at its intersection with Segments H1, H2, and H3, located approximately 0.23 mile southeast of the intersection of Briggs Ranch and Rustlers Trail. The segment proceeds southeast for approximately 0.09 mile, then angles southwest for approximately 0.12 mile, and then angles southeast for

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approximately 0.13 mile. The segment then angles east for approximately 0.15 mile and then angles southeast for approximately 0.25 mile. The segment terminates at its intersection with Segments H6 and H7, located approximately 0.59 mile south of the intersection of Roundup Pass and Brazos Bend.

Segment H6 (bi-directional)

Segment H6 begins at its intersection with Segments H5 and H7, located approximately 0.59 mile south of the intersection of Roundup Pass and Brazos Bend. The segment proceeds northeast for approximately 0.32 mile. The segment terminates at its intersection with Segments G4, H4, and I1, located approximately 0.36 mile southeast of the intersection of Roundup Pass and Brazos Bend.

Segment H7

Segment H7 begins at its intersection with Segments H5 and H6, located approximately 0.59 mile south of the intersection of Roundup Pass and Brazos Bend. The segment proceeds southeast for approximately 0.14 mile, then angles south for approximately 0.08 mile, and then angles southeast for approximately 0.17 mile. The segment then angles south-southeast for approximately 0.14 mile and then angles southeast for approximately 0.31 mile crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments C5, C6, and J1, located approximately 0.14 mile northeast of the intersection of US 90 and Olson Ranch Road.

Segment I1

Segment I1 begins at its intersection with Segments G4, H4, and H6, located approximately 0.36 mile southeast of the intersection of Roundup Pass and Brazos Bend. The segment proceeds east for approximately 0.28 mile, crossing an unnamed tributary of Lucas Creek and an unnamed waterbody. The segment terminates at its intersection with Segments I2 and J1, located approximately 0.15 mile northwest of the intersection of Puppis and Cygnus.

Segment I2

Segment I2 begins at its intersection with Segments I1 and J1, located approximately 0.15 mile northwest of the intersection of Puppis and Cygnus. The segment proceeds east for approximately 0.2 mile, crossing an unnamed tributary of Lucas Creek. The segment terminates at its intersection with Segments G5 and I3, located approximately 0.08 mile north-northeast of the intersection of Puppis and Scorpius.

Segment I3

Segment I3 begins at its intersection with Segments G5 and I2, located approximately 0.08 mile north-northeast of the intersection of Puppis and Scorpius. The segment proceeds east for approximately 0.5 mile, crossing W T Montgomery. The segment terminates at its intersection with Segments G3 and I4, located approximately 0.52 mile east-northeast of the intersection of Puppis and Scorpius.

Segment I4

Segment I4 begins at its intersection with Segments G3 and I3, located approximately 0.52 mile east-northeast of the intersection of Puppis and Scorpius. The segment proceeds east for approximately 0.24 mile, crossing Potranca Creek. The segment terminates at its intersection with Segments I5 and J2, located approximately 0.42 mile northwest of the intersection of Grosenbacher Road and Mustang Grove.

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Segment I5

Segment I5 begins at its intersection with Segments I4 and J2, located approximately 0.42 mile northwest of the intersection of Grosenbacher Road and Mustang Grove. The segment proceeds east-northeast for approximately 0.22 mile crossing Potranca Creek, then angles east-southeast for approximately 0.11 mile crossing Grosenbacher Road and an unnamed tributary of Potranca Creek, and then angles east for approximately 0.34 mile crossing an existing 345 kV transmission line. The segment terminates at its intersection with the existing Cagnon to Howard 138 kV transmission line, located approximately 0.28 mile north-northeast of the intersection of Mustang Grove and Wild Goose.

Segment J1 (bi-directional)

Segment J1 begins at its intersection with Segments C5, C6, and H7, located approximately 0.14 mile northeast of the intersection of United States Highway (US) 90 and Olson Ranch Road. The segment proceeds north for approximately 0.98 mile and crosses an unnamed tributary of Lucas Creek three times. The segment terminates at its intersection with Segments I1 and I2, located approximately 0.15 mile northwest of the intersection of Puppis and Cygnus.

Segment J2 (bi-directional)

Segment J2 begins at its intersection with Segments C6 and C7, located approximately 0.11 mile northwest of the intersection of US 90 and Luckey Ranch. The segment proceeds north for approximately 0.91 mile, crossing Potranca Creek twice. The segment terminates at its intersection with Segments I4 and I5, located approximately 0.42 mile northwest of the intersection of Grosenbacher Road and Mustang Grove.

Segment J3

Segment J3 begins at its intersection with Segments C7 and C8, located approximately 0.16 mile north of the intersection of US 90 and Alamo Canyon. The segment proceeds north for approximately 0.67 mile, crossing an unnamed tributary of Potranca Creek and an existing 345 kV transmission line. The segment terminates at its intersection with the existing Cagnon to Howard 138kV transmission line, located approximately 0.32 mile northeast of the intersection of Mustang Grove and Wild Goose.