

Application of CenterPoint Energy Houston Electric, LLC to Amend a Certificate of Convenience and Necessity for a Proposed 138 kV Transmission Line within Montgomery and Harris County, Texas

PUBLIC UTILITY COMMISSION OF TEXAS DOCKET NO. 55768

This notice is provided to inform you of CenterPoint Energy Houston Electric, LLC's (CenterPoint Energy) intent to construct a 138 kilovolt (kV) double-circuit transmission line from CenterPoint Energy's existing transmission line that connects an existing 138 kV circuit in the CenterPoint Energy transmission network in southwestern Montgomery County and northern Harris County, Texas, about 1.25 miles due east of SH 249 to one of three proposed substation sites; located on the east side of Dobbin-Huffsmith Road and north of Hardin Store Road (30°10'10.25"N, 95°36'47.90"W), east of Dobbin-Huffsmith Road and north of Shady Lane (30°9'58.03"N, 95°36'24.10"W) or west of Dobbin-Huffsmith Road and north of Basil Beebalm Trail (30°9'43.21"N, 95°36'45.26"W). The proposed transmission line will be approximately 2.84 to 4.11 miles long depending upon the route certificated by the Public Utility Commission of Texas (PUC). The estimated cost of this project ranges from approximately \$61,077,000 to \$89,805,000.

If you have questions about the transmission line, you can visit our Mill Creek Substation project website at <https://www.centerpointenergy.com/millcreeksubstation> or contact Mr. Steven Fox at (713) 207-4985, e-mail millcreeksubstation@centerpointenergy.com.

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

Persons who are affected by the proposed transmission line and wish to intervene in the docket or comment on CenterPoint Energy's application should mail the original request for intervention and 10 copies of their request or their comments to:

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

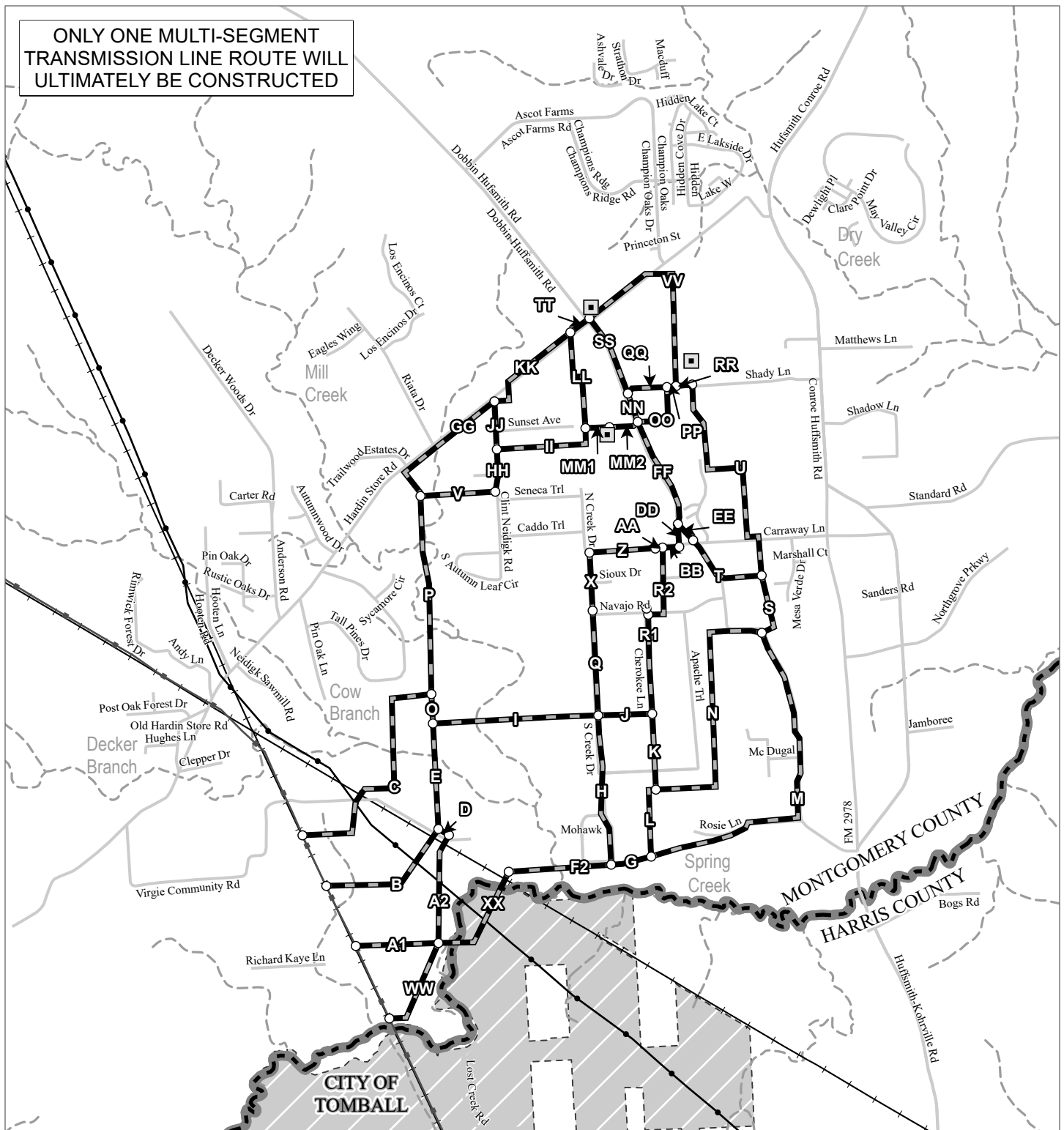
Persons who wish to intervene in the docket must also mail a copy of their request for intervention to all parties in the docket and all persons that have pending motions to intervene, at or before the time the request for intervention is mailed to the PUC. ***The only way to fully participate in the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

The deadline for intervention in the docket is **December 10, 2023 [30 days after filing]**, and the PUC should receive a letter from anyone requesting intervention by that date.

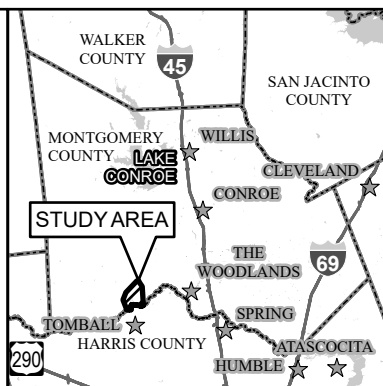
The PUC has a brochure entitled "Landowners and Transmission Line Cases at the PUC." Copies of the brochure are available from Steven Fox at (713) 207-4985 or may be downloaded from the PUC's website at www.puc.state.tx.us. To obtain additional information about this docket, you may contact the PUC's Customer Assistance Hotline (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.

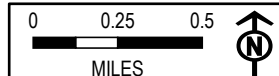
ONLY ONE MULTI-SEGMENT
TRANSMISSION LINE ROUTE WILL
ULTIMATELY BE CONSTRUCTED



138 KV MILL CREEK SUBSTATION PROJECT PROPOSED ALTERNATIVE ROUTES



- STUDY AREA
- COUNTY BOUNDARY
- CITY LIMITS
- PRELIMINARY ALTERNATIVE END POINT
- PRELIMINARY TRANSMISSION LINE SEGMENT
- 345 KV TRANSMISSION LINE
- 138 KV TRANSMISSION LINE
- RAILROAD
- ROADS
- STREAMS



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Description of the Proposed Alternative Routes

CenterPoint Energy Houston Electric, LLC (“CenterPoint Energy”) has filed an application with the Public Utility Commission of Texas (“PUC”) to obtain a Certificate of Convenience and Necessity (“CCN”) to construct the proposed 138 kV Mill Creek Substation and Transmission Line Project in Harris and Montgomery Counties, Texas. In its CCN application for this project, CenterPoint Energy has presented 23 alternative routes comprised of 51 Links for consideration by the PUC. The following table lists the link combinations that make up CenterPoint Energy’s 23 alternative routes and the length of each alternative route in miles. **All routes and route links are available for selection and approval by the PUC. Only one multi-Link transmission line route will ultimately be constructed. Alternative Routes are not listed in any order of preference or priority.**

Proposed Alternative Route Number	Link Composition	Length (Miles)
1-A	TT,LL,II,HH,V,P,C	3.26
2-A	TT,KK,GG,P,C	2.98
3-A	TT,KK,JJ,HH,V,P,C	3.07
4-A	TT,KK,GG,P,O,E,B	3.05
5-A	TT,KK,GG,P,O,E,D,A2,A1	3.31
6-A	TT,KK,GG,P,O,E,D,A2,WW	3.37
7-A	SS,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	3.86
8-A	SS,NN,MM2,MM1,II,HH,V,P,C	3.42
9-B	MM1,II,HH,V,P,C	2.84
10-B	MM1,II,HH,V,P,O,E,B	2.92
11-B	MM1,II,HH,V,P,O,E,D,A2,A1	3.18
12-B	FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	3.39
13-B	FF,DD,BB,R2,R1,J,H,F2,XX,A1	3.39
14-B	FF,DD,BB,R2,R1,K,L,G,F2,XX,A1	3.33
15-B	FF,EE,T,S,M,G,F2,XX,A1	3.96
16-C	RR,PP,QQ,NN,MM2,MM1,II,HH,V,P,O,E,D,A2,A1	3.69
17-C	RR,PP,OO,MM2,MM1,II,HH,V,P,O,E,B	3.40
18-C	RR,PP,QQ,NN,FF,DD,BB,AA,Z,X,Q,H,F2,XX,A1	3.78
19-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,I,E,B	3.62
20-C	RR,PP,QQ,NN,FF,DD,BB,R2,R1,J,H,F2,XX,A1	3.78
21-C	U,S,N,L,G,F2,XX,WW	4.07
22-C	U,S,M,G,F2,XX,WW	4.11

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Proposed Alternative Route Number	Link Composition	Length (Miles)
23-C	VV,TT,KK,GG,P,O,E,B	3.90

Note: All distances of the routes above are approximate and rounded to the nearest tenths of a mile. The distances of individual Links described below are rounded to the hundredths of a mile and may not sum to the total length of route presented above due to rounding.

The following narrative, along with the enclosed map, provides a detailed description of the Links that form the 23 alternative routes for consideration by the PUC for the 138 kV Mill Creek Substation and Transmission Line Project.

Link A1

A1 begins at Node A, at an operational 138kV transmission line and runs east along property lines. Link A1 then terminates where Node A2, where Links A1, A2, WW, and XX intersect.

Link A2

A2 begins at Node A2 which is the intersection of Links A1, A2, WW, and XX and runs north along property lines crossing perpendicular to two operational Crude Oil transmission lines and one 345kV operational transmission lines owned by CenterPoint Energy. After approximately 0.37 miles, Link A2 then takes an angle to the northeast to run perpendicular with the Union Pacific Railroad before terminating at Node E.

Link AA

AA begins at Node T where Links AA, Z, and Y2 intersect and runs east along property lines before terminating at Node S where Links AA, BB, and RS intersect.

Link B

B begins at Node B, at an operational 138kV transmission line and runs east along property lines. After approximately 0.3 miles, Link B takes a northeast angle where it then crosses two operational Crude Oil transmission lines and one 345kV operational transmission lines owned by CenterPoint Energy. Link B runs perpendicular to the Union Pacific Railroad before terminating at Node D where Links B, D, and E intersect.

Link BB

BB begins at Node S where Links AA, BB, and RS intersect and runs east along property lines before terminating at Node R where Links BB, CC, and DD intersect.

Link C

C begins at the operational 138kV transmission line and runs east for approximately 0.2 miles, then takes a slight northeast angle where it runs perpendicular to a crude oil transmission line. After approximately 0.12 miles, Link C takes a sharp northeast angle where it crosses a crude oil transmission line, the 345kV operational transmission lines owned by CenterPoint Energy, and the Union Pacific Railroad. After approximately 0.7 miles, Link C changes direction to the east for approximately 0.13 miles before making

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a right angle and changing directions to the north. After approximately 0.36 miles, Link C takes an eastern angle crossing an operational refined petroleum pipeline before terminating at Node L where Links C, O and P intersect.

Link D

D begins at Node D which is the intersection of Links B, D, and E and runs southeast to Node E, which is the intersection of Links A2, D, and F1.

Link DD

DD begins at Node R, which is the intersection of Links BB, CC, and DD. It runs north from Node R crossing Carraway Lane before terminating at Node Q, which is the intersection of Links DD, EE, and FF.

Link E

E begins at Node D which is the intersection of Links B, D, and E. It then runs north along property lines to Node K, which is the intersection of Links E, I, and O. Link E crosses Virgie Community Road and one operational refined petroleum pipeline.

Link EE

EE is a short span connection from Node P, which is the intersection of Links T, CC, and EE to Node Q, which is the intersection of Links DD, EE, and FF. Link EE runs parallel to Dobbin Huffsmith Road.

Link F2

F2 begins at Node E1 which is the intersection of Links F1, F2, and XX and runs east. Link F2 runs perpendicular to two operational transmission crude oil. Link F2 then terminates at Node F, which is the intersection of Links G, H, and F2.

Link FF

FF begins at Node Q which is the intersection of Links DD, EE, and FF and crosses Dobbin Huffsmith Road before running north parallel to Dobbin Huffsmith Road and along property lines before terminating at Node X, which is the intersection for Links FF, MM, NN, and OO.

Link G

G begins at Node F where Links F2, H, and G intersect. It runs east for approximately 0.05 miles before taking a slight angle to the northeast where Link G crosses a refined petroleum operational transmission line. Link G then terminates at Node G, which is the intersection of Links G, L, and M.

Link GG

GG begins at Node AA which is the intersection of Links GG, JJ, and KK. It runs southwest along property lines and parallel to Hardin Store Road. After approximately 0.46 miles, Link GG takes a southeast angle for approximately 0.1 miles before it runs south and terminates at Node W, which is the intersection of P, V, and GG.

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Link H

H begins at Node F, which is the intersection of Links H, G, and F2 and runs north, crossing the refined petroleum operational transmission line. Link H runs along property lines and parallel to South Creek Drive for approximately 0.46 miles before terminating at Node J, which is the intersection of Links H, I, J, and Q.

Link HH

HH begins at Node Z, which is the intersection of Links HH, II, and JJ and runs south along property lines and parallel to the Clint Neidigk roadway. After approximately 0.16 miles, Link H crosses the Clint Neidigk roadway where it then crosses the Seneca Trail roadway before terminating at Node V, which is the intersection of Links HH, V, and W.

Link I

I begins at Node K, which is the intersection of Links E, I, and O and runs to the east. Link I runs perpendicular to two operational transmission crude oil pipelines. Link I crosses South Creek Drive and terminates at Node J, which is the intersection of Links H, I, J, and Q.

Link II

II begins at Node Y, which is the intersection of Links II, LL, and MM and runs south along property lines for approximately 0.07 miles before turning to the west and terminating at Node Z, which is the intersection of Links HH, JJ, and II.

Link J

J begins at Node J, which is the intersection of Links H, I, J, and Q and runs east along property lines. Link J then crosses Cherokee Lane and terminates at Node I, which is the intersection of Links J, K, and R1.

Link JJ

JJ begins at Node Z, which is the intersection of Links HH, JJ, and II and runs north along property lines and parallel to Clint Neidigk roadway. Link JJ then terminates at Node AA, which is at the intersections of Links GG, KK, and JJ.

Link K

K begins at Node I, which is the intersection of Links J, K and R1 and runs south along property lines and parallel to Cherokee Lane. Link K terminates at Node H, which is the intersection of Links K, L, and N.

Link KK

KK begins at Node AA, which is the intersections of Links GG, KK, and JJ, and runs east for approximately 0.06 miles before turning to the north for approximately 0.08 miles and crossing Hardin Store Road. After crossing Hardin Store Road, Link KK runs along the edge of property boundaries and Hardin Store Road before terminating at Node GG, which is the intersection of Links GG, LL, and VV.

Link L

L begins at Node H, which is the intersection of Links K, L, and N, and runs along property lines to the west. After approximately 0.03 miles, Link L takes a right angle to the south and runs along property lines before terminating at Node G, which is the intersections of Links G, L, and M.

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Link LL

LL begins at Node GG, which is the intersection of Links KK, LL, and VV. Link LL crosses Hardin Store Road and runs south along property lines for approximately 0.18 miles before making a right angle and going east for approximately 0.03 miles. Link LL then makes a second right angle and runs south for approximately 0.2 miles and terminates at Node Y, which is the intersection of Links II, LL, and MM.

Link M

M begins at Node G, which is the intersection of Links G, L, and M and runs east along property lines and parallel to Rosie Lane. After approximately 0.42 miles, Link M takes a northeast angle and crosses Rosie Lane before running parallel to Rosie Lane for approximately 0.2 miles before taking a right angle to the north where Link M runs along property lines and parallel to Dobbin-Huffsmith Road. Link M runs north along Dobbin-Huffsmith Road for approximately 0.15 miles before crossing over Dobbin-Huffsmith Road. After approximately 0.15 miles, Link M then crosses over Dobbin-Huffsmith Road again and runs for another 0.35 miles north before terminating at Node M, which is the intersection of Links M, N, and S.

Link MM1

MM1 begins at Node Y which is the intersection of Links II, LL, and MM. It runs east along property lines for approximately 0.11 miles before terminating at Node Y1.

Link MM2

MM2 begins at Node Y1. It then runs east along property lines for approximately 0.11 miles before taking a northeast angle to cross Dobbin Huffsmith Road and terminating at Node X, which is the intersection of Links FF, MM, and NN.

Link N

N begins at Node M, which is the intersection of Links M, N, and S and runs west along property lines and parallel to Dobbin-Huffsmith Road. After approximately 0.21 miles, Link N takes a right angle turn south following the property lines for approximately 0.63 miles before taking a right turn angle west for approximately 0.24 miles. Link N then terminates at the Node H, which is the intersection of Links K, L, and N.

Link NN

NN begins at Node FF, which is the intersection of Links SS, QQ, and NN. Link NN runs south along the edge of property lines and parallel to Dobbin-Huffsmith Road for approximately 0.44 miles before terminating at Node X, which is the intersection of Links FF, MM, NN, and OO.

Link O

O begins at Node K, which is the intersection of Links E, I, and O. It then runs north along property lines before terminating at Node L, which is the intersection of Links C, O and P.

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Link OO

OO begins at Node EE, which is the intersection of Links OO, PP and QQ and travels south along the property lines for approximately 0.14 miles before taking a right angle to the west for approximately 0.13 miles. Link OO then terminates at Node X, which is the intersection of Links FF, MM, and NN.

Link P

P begins at Node W where Links P, V, and GG intersect. Link P runs south along property lines crossing one operational transmission crude oil pipeline and one operational transmission crude oil pipeline. Link P then terminates at Node L, which is the intersection of Links C, P, and O.

Link PP

PP begins at Node EE, which is the intersection of Links PP, QQ, and OO and runs east along the edge of property lines before terminating at Node DD, which is the intersection of Links PP, VV, and RR.

Link Q

Q begins at Node N, which is the intersection of Links Q, X, Y1 and runs south along property lines and parallel to South Creek Drive before terminating at Node J, which is the intersection of Links H, I, J, and Q.

Link QQ

QQ begins at Node FF, which is the intersection of Links SS, NN, and QQ, and runs east along property lines. Link QQ then terminates at Node EE, which is the intersection of Links of PP, OO, and QQ.

Link R1

R1 begins at Node I1, which is the intersection of Links R1, R2, and R3. Link R1 runs south along property lines and parallel to Cherokee Lane before terminating at Node I, which is the intersection of Links R1, J, and K.

Link R2

R2 begins at Node I1, which is the intersection of Links R1, R2, and R3, and runs east along property lines and parallel to Navajo Lane before making a right angle to go north, crossing Navajo Lane. Link R2 then runs along property lines and parallel to Longbow Street, crossing Longbow Circle before terminating at Node S, which is the intersection of Links AA, BB, and R2. Node S is adjacent to Carraway Lane.

Link R3

R3 begins at Node I1, which is the intersection of Links R1, R2, and R3. Link R3 runs north across Navajo Lane before terminating at Node I2, which is the intersection of Links Y1, Y2, and R3.

Link RR

RR begins at Node DD which is the intersection of Links RR, PP, and VV. Link RR runs east along property lines before terminating at Node CC, which is the intersection of Links U, UU, and RR.

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Link S

S begins at Node M, which is the intersection of Links M, N, and S and runs east crossing Dobbin-Huffsmith Road before running along property lines. After approximately 0.06 miles, Link S turns north for approximately 0.22 miles before terminating at Node O, which is the intersection of Links S, T, and U.

Link SS

SS begins at Node HH which is adjacent to one of the proposed substation locations and the intersection of Links TT, SS, and VV, and runs south crossing Hardin Store Road. Link SS then runs parallel to Dobbin-Huffsmith Road and along property lines before terminating at Node FF, which is the intersection of Links NN, SS, and QQ.

Link T

T begins at Node O, which is the intersection of Links S, T, and U. Link T runs west along the edge of property lines for approximately 0.16 miles before crossing Dobbin-Huffsmith Road. Link T then runs north along the edge of property lines and parallel to Dobbin-Huffsmith Road for approximately 0.15 miles. Link T then crosses Carraway Lane before terminating at Node P, which is the intersection of Links T, CC, and EE.

Link TT

Link TT begins at Node GG which is the intersection of Links KK, LL, and TT. Link TT then runs northeast along property lines and parallel to Hardin Store Road before crossing Dobbin-Huffsmith Road and terminating at Node HH, which is adjacent to one of the proposed substations and the intersection of Links SS, TT, and VV.

Link U

U begins at Node CC, which is the intersection of Links U, UU, and RR. Link U runs south, crossing Shady Lane and following property lines for approximately 0.1 miles before taking a southeast angle. Link U then runs for approximately 0.07 miles before taking an angle to the south. Link U then runs along the edge of property boundaries for approximately 0.2 miles before taking an angle to the east. Link U then runs along the edge of property boundaries for approximately 0.14 miles before taking an angle to the south. Link U then runs along property lines for approximately 0.3 miles before reaching Carraway Lane. Link U then takes an angle to the east and runs parallel to Carraway Lane for approximately 0.05 miles. Link U then takes an angle to the south to cross Carraway Lane, runs along property lines and terminates at Node O, which is the intersection of Links S, T, and U.

Link UU

UU begins at one of the proposed substation locations, which is Node BB. Link UU then runs south for approximately 0.1 miles before terminating at Node CC, which is the intersection of Links RR, UU, and U.

Link V

V begins at Node W which is the intersection of Links P, V, and GG. Link V then runs east along property lines before terminating at Node V.

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Link VV

VV begins at Node DD, which is the intersection of Links VV, PP, and RR. Link VV then runs north for approximately 0.45 miles before taking a right angle west for approximately 0.11 miles. Link VV then crosses Hardin Store Road and takes a southwestern angle to follow property lines and run parallel to Hardin Store Road. Link VV then terminates at Node HH, which is adjacent to one of the proposed substations and the intersection of Links SS, TT, and VV.

Link WW

WW begins at Node A1, at the operational 138kV transmission line and runs east for approximately 0.07 miles before taking a northwest angle. Link WW then terminates at Node A2, which is the intersection of Links A1, A2, WW, and XX.

Link X

X begins at Node U which is the intersection of Links W, X, and Z and runs south along property lines and parallel to North Creek Drive. Link X then terminates at Node N, which is the intersection of Links X, Q, and Y1.

Link XX
XX begins at Node A2 which is the intersection of Links A1, A2, WW, and XX. Link XX runs east for approximately 0.12 miles then takes a northeast angle crossing perpendicular to two operational Crude Oil transmission lines and one 345kV operational transmission lines owned by CenterPoint Energy. Link XX then crosses perpendicular to the Union Pacific Railroad and terminates at Node E1, which is the intersection of Links F1, F2, and XX.

Link Z

Z begins at Node U which is the intersection of Links X, W, and Z. Link Z then runs east along property lines before terminating at Node T, which is the intersection of Links Z, AA, and Y2.