Control Number: 51023

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SOAH DOCKET NO. 473-21-0247
PUC DOCKET NO. 51023

2021 APR 23 AM 10:26

APPLICATION OF THE CITY OF SAN ANTONIO TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY FOR THE SCENIC LOOP 138-KV TRANSMISSION LINE IN BEXAR COUNTY	§ § § § § §	BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS

CPS ENERGY'S RESPONSE TO BEXAR RANCH, L.P.'S
FIRST REQUESTS FOR INFORMATION TO CPS ENERGY

COMES NOW the City of San Antonio, acting by and through the City Public Service Board (CPS Energy) and files this Response to Bexar Ranch, L.P.'s (Bexar Ranch) First Requests for Information (RFI). This Response is timely filed. CPS Energy agrees and stipulates that all parties may treat these responses as if the answers were filed under oath.

Respectfully submitted,

/s/ Kirk D. Rasmussen

Kirk D. Rasmussen
State Bar No. 24013374
Craig R. Bennett
State Bar No. 00793325
Jackson Walker LLP
100 Congress Avenue, Suite 1100
Austin, Texas 78701
(512) 236-2000
(512) 691-4427 (fax)
Email: krasmussen@jw.com
Email: cbennett@jw.com

ATTORNEYS FOR CPS ENERGY

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CERTIFICATE OF SERVICE

I certify that a copy of this document was served on all parties of record on this date via the Commission's Interchange in accordance with SOAH Order 3 in this proceeding.

/s/ Kirk D. Rasmussen
Kirk D. Rasmussen

SOAH DOCKET NO. 473-21-0247
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APPLICATION OF THE CITY OF SAN ANTONIO TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY FOR THE SCENIC LOOP 138-KV TRANSMISSION LINE IN BEXAR COUNTY	§ § § § § §	**BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

CPS ENERGY'S RESPONSE TO BEXAR RANCH, L.P.'S
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Bexar Ranch Question No. 1-1:

On page 6 of the rebuttal testimony of Mr. Adam R. Marin, P.E., on behalf of CPS Energy, Mr. Marin states, "other alternative routes comprised solely of segments included in the CPS Energy application (as amended) are viable route alternatives." Given this testimony, and considering an alternative route named "Route Z-2" consisting of the following combination of segments included in the CPS Energy application (as amended), **Substation 7-54-20-36-42a-46-46b, please answer the following:**

a. Admit or deny that Route Z-2 would be a viable route alternative.

b. Admit or deny that Route Z-2 would be a constructible route alternative.

c. Please provide updated versions of the following for Route Z-2: (a) Attachment 3 to the Amended Application; and (b) Attachment 1 to the Amended Application, Table 4-1, Environmental and Land Use Data for Route Evaluation ("Table 4-1").

Response No. 1-1:

a. Route Z-2 as described in this request is a viable route alternative.

b. Route Z-2 as described in this request is a constructible route alternative.

c. See Attachments.

Attachments:

Attachment Bexar Ranch 1-1a:	Attachment 3 to the Amended Application w/ Route Z-2 added, 3 pages, Scott Lyssy, April 22, 2021
Attachment Bexar Ranch 1-1b:	Environmental Data for Route Z-2 (Table 4-1), Lisa Meaux, 1 page, April 22, 2021

Prepared By:	Lisa B. Meaux	Title: Project Managerr, POWER Engineers, Inc.
	Scott D. Lyssy	Manager Civil Engineering
Sponsored By:	Lisa B. Meaux	Title: Project Managerr, POWER Engineers, Inc.
	Scott D. Lyssy	Manager Civil Engineering

SOAH DOCKET NO. 473-21-0247
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APPLICATION OF THE CITY OF SAN ANTONIO TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY FOR THE SCENIC LOOP 138-KV TRANSMISSION LINE IN BEXAR COUNTY	§ § § § § §	**BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

CPS ENERGY'S RESPONSE TO BEXAR RANCH, L.P.'S
FIRST REQUESTS FOR INFORMATION TO CPS ENERGY

Bexar Ranch Question No. 1-2:

Understanding that CPS Energy assumed a 100-foot right of way for all segments for purposes of notice and for collecting and reporting data for Table 4-1, how does Table 4-1 change, if at all, if a 75-foot right of way is used instead for Z-1 and Z-2? For purposes of this question, CPS Energy should use a 75-foot right of way only for those areas where its cost estimates also used a 75-foot right of way.

Response No. 1-2:

CPS Energy's Application in this proceeding proposes routes identified with 100 foot right of way. See CPS Energy's response to Question No. 6 in the Application. CPS Energy has not calculated the information requested and therefore does not have information responsive to this request.

Prepared By: Adam Marin Title: Regulatory Case Manager
Sponsored By: Adam Marin Title: Regulatory Case Manager

SOAH DOCKET NO. 473-21-0247
PUC DOCKET NO. 51023

APPLICATION OF THE CITY OF SAN ANTONIO TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY FOR THE SCENIC LOOP 138-KV TRANSMISSION LINE IN BEXAR COUNTY	§ § § § § §	**BEFORE THE STATE OFFICE OF ADMINISTRATIVE HEARINGS**

CPS ENERGY'S RESPONSE TO BEXAR RANCH, L.P.'S
FIRST REQUESTS FOR INFORMATION TO CPS ENERGY

Bexar Ranch Question No. 1-3:

Assuming a 100-foot right of way for its entire length, what is CPS Energy's "Estimated Total Cost" for each of the following routes:

a. Route Z-1; and

b. Route Z-2.

Response No. 1-3:

a. See Attachment.

b. See Attachment.

Attachment:

Attachment Bexar Ranch 1-3: Estimated Cost Data for Routes Z-1 and Z-2 with an assumed 100 feet of right of way for the entire length, 1 page, Scott Lyssy, April 22, 2021

Prepared By: Scott D. Lyssy Title: Manager Civil Engineering
Sponsored By: Scott D. Lyssy Title: Manager Civil Engineering

Attachment Bexar Ranch 1-1a

CPS Energy CCN Application Amendment
(revised 12/23/2020)
Estimated Costs for Transmission Line and Substation Facilities (Z2 added for Bexar Ranch L.P. First RFI - Response No. 1-1c)

Table 1: Transmission and Substation Facilities Total Estimated Costs

Route	Total Length (miles)	Sub Site	**Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
A	6.66	1	**$54,695,384**	$7,783,840	$702,240	$2,088,350	$15,331,639	$3,250,060	$13,199,493	$11,217,966
B1	6.19	1	**$50,551,923**	$5,902,834	$681,560	$1,972,025	$15,189,033	$3,198,360	$12,822,362	$9,805,226
C1	5.77	1	**$47,373,301**	$6,793,477	$663,080	$1,868,075	$13,867,819	$3,152,160	$11,925,364	$8,275,750
D1	5.22	2	**$43,904,818**	$6,237,577	$638,880	$1,731,950	$12,876,554	$3,091,660	$10,966,953	$7,601,131
E	6.62	2	**$54,505,460**	$8,616,608	$700,480	$2,078,450	$15,019,244	$3,245,660	$13,010,552	$10,758,605
F1	5.66	2	**$49,658,757**	$6,417,969	$658,240	$1,840,850	$14,386,259	$3,140,060	$12,250,563	$9,968,015
G1	6.2	3	**$51,216,234**	$6,139,834	$682,000	$1,974,500	$15,108,260	$3,199,460	$12,877,623	$10,213,234
H	6.32	3	**$53,621,915**	$8,587,636	$687,280	$2,004,200	$14,722,420	$3,212,660	$12,683,021	$10,658,816
I1	5.03	3	**$42,877,497**	$6,601,539	$630,520	$1,684,925	$12,368,953	$3,070,760	$10,527,670	$7,266,482
J1	5.46	3	**$44,068,606**	$5,618,447	$649,440	$1,791,350	$12,949,237	$3,118,060	$11,113,035	$8,026,397
K	5.29	3	**$46,467,251**	$5,869,179	$641,960	$1,749,275	$13,328,636	$3,099,360	$11,364,549	$9,467,538
L	6.91	3	**$54,086,149**	$7,227,514	$713,240	$2,150,225	$14,738,090	$3,277,560	$12,845,846	$11,939,704
M1	5.85	4	**$46,044,320**	$6,318,803	$666,600	$1,887,875	$13,430,851	$3,160,960	$11,567,273	$8,192,689
N1	5.33	5	**$46,803,781**	$4,908,233	$643,720	$1,759,175	$13,997,195	$3,103,760	$11,849,811	$9,583,534
O	6.83	5	**$56,194,703**	$4,797,587	$709,720	$2,130,425	$17,383,068	$3,268,760	$14,650,892	$12,049,319
P	4.89	6	**$43,408,742**	$3,992,817	$624,360	$1,650,275	$12,975,245	$3,055,360	$10,990,484	$9,200,182
Q1	5.56	6	**$45,890,914**	$4,561,572	$653,840	$1,816,100	$13,307,691	$3,129,060	$11,335,264	$10,079,442
R1	4.76	6	**$43,522,858**	$4,248,347	$618,640	$1,618,100	$13,186,368	$3,041,060	$11,142,125	$8,789,289
S	6.73	6	**$55,327,170**	$4,250,341	$705,320	$2,105,675	$17,071,712	$3,257,760	$14,581,618	$12,140,676
T1	5.93	6	**$47,259,333**	$5,496,182	$670,120	$1,907,675	$13,738,882	$3,169,760	$11,533,563	$9,766,501
U1	6.36	6	**$50,562,536**	$4,907,467	$689,040	$2,014,100	$14,593,806	$3,217,060	$12,618,154	$11,384,462
V	6.6	6	**$54,169,034**	$3,783,721	$699,600	$2,073,500	$17,045,497	$3,243,460	$14,223,883	$11,908,522
W	6.25	6	**$52,869,828**	$4,137,701	$684,200	$1,986,875	$16,482,368	$3,204,960	$13,857,732	$11,378,174
X1	5.34	7	**$45,496,087**	$4,931,777	$644,160	$1,761,650	$13,507,384	$3,104,860	$11,418,045	$9,207,463
Y	5.23	7	**$42,723,887**	$5,900,333	$639,320	$1,734,425	$11,952,819	$3,092,760	$10,416,847	$8,170,347
Z1	4.53	7	**$38,474,771**	$4,174,144	$608,520	$1,561,175	$11,523,763	$3,015,760	$9,891,014	$7,000,360
Z2	4.46	7	**$37,984,002**	$4,526,276	$605,440	$1,543,850	$11,162,205	$3,008,060	$9,656,454	$6,801,560
AA1	4.82	7	**$38,291,572**	$4,261,602	$621,280	$1,632,950	$11,064,175	$3,047,660	$9,595,667	$7,334,761
BB	4.73	7	**$42,741,654**	$3,793,915	$617,320	$1,610,675	$12,831,203	$3,037,760	$10,963,256	$8,988,659
CC	5.23	7	**$43,897,472**	$4,455,112	$639,320	$1,734,425	$12,792,717	$3,092,760	$11,012,099	$9,246,400
DD	4.64	7	**$38,996,943**	$4,392,874	$613,360	$1,588,400	$11,617,680	$3,027,860	$9,814,795	$7,219,976
EE	4.99	7	**$39,757,435**	$4,393,897	$628,760	$1,675,025	$11,566,090	$3,066,360	$9,886,810	$7,764,084

**Estimated Costs include a 10% Contingency for unknown project costs not evident at the time these estimates were created.

CPS Energy
PUC Docket 51023
Bexar Ranch Set 1

Attachment Bexar Ranch 1-1a

Table 2: Transmission and Substation Facilities Total Estimated Costs (Sorted Least to Most Expensive)

Route	Total Length (miles)	Sub Site	**Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
Z2	4.46	7	**$37,984,002**	$4,526,276	$605,440	$1,543,850	$11,162,205	$3,008,060	$9,656,454	$6,801,560
AA1	4.82	7	**$38,291,572**	$4,261,602	$621,280	$1,632,950	$11,064,175	$3,047,660	$9,595,667	$7,334,761
Z1	4.53	7	**$38,474,771**	$4,174,144	$608,520	$1,561,175	$11,523,763	$3,015,760	$9,891,014	$7,000,360
DD	4.64	7	**$38,996,943**	$4,392,874	$613,360	$1,588,400	$11,617,680	$3,027,860	$9,814,795	$7,219,976
EE	4.99	7	**$39,757,435**	$4,393,897	$628,760	$1,675,025	$11,566,090	$3,066,360	$9,886,810	$7,764,084
Y	5.23	7	**$42,723,887**	$5,900,333	$639,320	$1,734,425	$11,952,819	$3,092,760	$10,416,847	$8,170,347
BB	4.73	7	**$42,741,654**	$3,793,915	$617,320	$1,610,675	$12,831,203	$3,037,760	$10,963,256	$8,988,659
I1	5.03	3	**$42,877,497**	$6,601,539	$630,520	$1,684,925	$12,368,953	$3,070,760	$10,527,670	$7,266,482
P	4.89	6	**$43,408,742**	$3,992,817	$624,360	$1,650,275	$12,975,245	$3,055,360	$10,990,484	$9,200,182
R1	4.76	6	**$43,522,858**	$4,248,347	$618,640	$1,618,100	$13,186,368	$3,041,060	$11,142,125	$8,789,289
CC	5.23	7	**$43,897,472**	$4,455,112	$639,320	$1,734,425	$12,792,717	$3,092,760	$11,012,099	$9,246,400
D1	5.22	2	**$43,904,818**	$6,237,577	$638,880	$1,731,950	$12,876,554	$3,091,660	$10,966,953	$7,601,131
J1	5.46	3	**$44,068,606**	$5,618,447	$649,440	$1,791,350	$12,949,237	$3,118,060	$11,113,035	$8,026,397
X1	5.34	7	**$45,496,087**	$4,931,777	$644,160	$1,761,650	$13,507,384	$3,104,860	$11,418,045	$9,207,463
Q1	5.56	6	**$45,890,914**	$4,561,572	$653,840	$1,816,100	$13,307,691	$3,129,060	$11,335,264	$10,079,442
M1	5.85	4	**$46,044,320**	$6,318,803	$666,600	$1,887,875	$13,430,851	$3,160,960	$11,567,273	$8,192,689
K	5.29	3	**$46,467,251**	$5,869,179	$641,960	$1,749,275	$13,328,636	$3,099,360	$11,364,549	$9,467,538
N1	5.33	5	**$46,803,781**	$4,908,233	$643,720	$1,759,175	$13,997,195	$3,103,760	$11,849,811	$9,583,534
T1	5.93	6	**$47,259,333**	$5,496,182	$670,120	$1,907,675	$13,738,882	$3,169,760	$11,533,563	$9,766,501
C1	5.77	1	**$47,373,301**	$6,793,477	$663,080	$1,868,075	$13,867,819	$3,152,160	$11,925,364	$8,275,750
F1	5.66	2	**$49,658,757**	$6,417,969	$658,240	$1,840,850	$14,386,259	$3,140,060	$12,250,563	$9,968,015
B1	6.19	1	**$50,551,923**	$5,902,834	$681,560	$1,972,025	$15,189,033	$3,198,360	$12,822,362	$9,805,226
U1	6.36	6	**$50,562,536**	$4,907,467	$689,040	$2,014,100	$14,593,806	$3,217,060	$12,618,154	$11,384,462
G1	6.2	3	**$51,216,234**	$6,139,834	$682,000	$1,974,500	$15,108,260	$3,199,460	$12,877,623	$10,213,234
W	6.25	6	**$52,869,828**	$4,137,701	$684,200	$1,986,875	$16,482,368	$3,204,960	$13,857,732	$11,378,174
H	6.32	3	**$53,621,915**	$8,587,636	$687,280	$2,004,200	$14,722,420	$3,212,660	$12,683,021	$10,658,816
L	6.91	3	**$54,086,149**	$7,227,514	$713,240	$2,150,225	$14,738,090	$3,277,560	$12,845,846	$11,939,704
V	6.6	6	**$54,169,034**	$3,783,721	$699,600	$2,073,500	$17,045,497	$3,243,460	$14,223,883	$11,908,522
E	6.62	2	**$54,505,460**	$8,616,608	$700,480	$2,078,450	$15,019,244	$3,245,660	$13,010,552	$10,758,605
A	6.66	1	**$54,695,384**	$7,783,840	$702,240	$2,088,350	$15,331,639	$3,250,060	$13,199,493	$11,217,966
S	6.73	6	**$55,327,170**	$4,250,341	$705,320	$2,105,675	$17,071,712	$3,257,760	$14,581,618	$12,140,676
O	6.83	5	**$56,194,703**	$4,797,587	$709,720	$2,130,425	$17,383,068	$3,268,760	$14,650,892	$12,049,319

CPS Energy
PUC Docket 51023
Bexar Ranch Set 1

Table 3: Transmission Facilities Total Estimated Costs

Route	Total Length (miles)	Sub Site	Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
A	6.66	1	**$39,479,733**	$6,205,475	$266,400	$1,498,500	$10,375,854	$666,000	$9,249,539	$11,217,966
B1	6.19	1	**$35,821,831**	$4,604,350	$247,600	$1,392,750	$10,246,212	$619,000	$8,906,692	$9,805,226
C1	5.77	1	**$32,899,624**	$5,381,475	$230,800	$1,298,250	$9,045,109	$577,000	$8,091,240	$8,275,750
D1	5.22	2	**$29,130,346**	$4,260,000	$208,800	$1,174,500	$8,143,958	$522,000	$7,219,957	$7,601,131
E	6.62	2	**$38,654,663**	$6,310,125	$264,800	$1,489,500	$10,091,858	$662,000	$9,077,775	$10,758,605
F1	5.66	2	**$34,248,570**	$4,311,363	$226,400	$1,273,500	$9,516,417	$566,000	$8,386,875	$9,968,015
G1	6.2	3	**$36,200,846**	$4,594,900	$248,000	$1,395,000	$10,172,782	$620,000	$8,956,930	$10,213,234
H	6.32	3	**$37,742,578**	$6,174,925	$252,800	$1,422,000	$9,822,018	$632,000	$8,780,019	$10,658,816
I1	5.03	3	**$28,079,256**	$4,473,713	$201,200	$1,131,750	$7,682,502	$503,000	$6,820,609	$7,266,482
J1	5.46	3	**$29,661,502**	$4,079,413	$218,400	$1,228,500	$8,210,034	$546,000	$7,352,759	$8,026,397
K	5.29	3	**$31,238,339**	$3,703,600	$211,600	$1,190,250	$8,554,942	$529,000	$7,581,408	$9,467,538
L	6.91	3	**$38,164,609**	$4,938,450	$276,400	$1,554,750	$9,836,263	$691,000	$8,928,042	$11,939,704
M1	5.85	4	**$31,931,306**	$5,189,800	$234,000	$1,316,250	$8,647,864	$585,000	$7,765,702	$8,192,689
N1	5.33	5	**$32,774,012**	$4,059,750	$213,200	$1,199,250	$9,162,723	$533,000	$8,022,555	$9,583,534
O	6.83	5	**$41,311,213**	$3,959,163	$273,200	$1,536,750	$12,240,789	$683,000	$10,568,993	$12,049,319
P	4.89	6	**$29,655,409**	$3,195,350	$195,600	$1,100,250	$8,233,678	$489,000	$7,241,349	$9,200,182
Q1	5.56	6	**$31,911,929**	$3,712,400	$222,400	$1,251,000	$8,535,901	$556,000	$7,554,785	$10,079,442
R1	4.76	6	**$29,759,151**	$3,427,650	$190,400	$1,071,000	$8,425,608	$476,000	$7,379,204	$8,789,289
S	6.73	6	**$40,490,343**	$3,429,463	$269,200	$1,514,250	$11,957,738	$673,000	$10,506,016	$12,140,676
T1	5.93	6	**$33,268,576**	$4,674,675	$237,200	$1,334,250	$8,927,893	$593,000	$7,735,057	$9,766,501
U1	6.36	6	**$36,158,857**	$4,026,850	$254,400	$1,431,000	$9,705,097	$636,000	$8,721,049	$11,384,462
V	6.6	6	**$39,437,492**	$3,005,263	$264,000	$1,485,000	$11,933,906	$660,000	$10,180,802	$11,908,522
W	6.25	6	**$38,256,396**	$3,327,063	$250,000	$1,406,250	$11,421,971	$625,000	$9,847,938	$11,378,174
X1	5.34	7	**$31,423,745**	$3,919,700	$213,600	$1,201,500	$8,717,440	$534,000	$7,630,041	$9,207,463
Y	5.23	7	**$28,852,833**	$4,749,475	$209,200	$1,176,750	$7,304,200	$523,000	$6,719,861	$8,170,347
Z1	4.53	7	**$24,986,251**	$3,176,463	$181,200	$1,019,250	$6,914,148	$453,000	$6,241,831	$7,000,360
Z2	4.46	7	**$24,635,377**	$3,591,863	$178,400	$1,003,500	$6,585,459	$446,000	$6,028,595	$6,801,560
AA1	4.82	7	$25,176,699	$3,612,963	$192,800	$1,084,500	$6,496,341	$482,000	$5,973,334	$7,334,761
BB	4.73	7	**$28,856,185**	$2,821,750	$189,200	$1,064,250	$8,102,730	$473,000	$7,216,596	$8,988,659
CC	5.23	7	**$29,906,929**	$3,422,838	$209,200	$1,176,750	$8,067,743	$523,000	$7,260,999	$9,246,400
DD	4.64	7	**$25,528,232**	$3,442,588	$185,600	$1,044,000	$6,999,527	$464,000	$6,172,541	$7,219,976
EE	4.99	7	**$26,239,758**	$3,463,688	$199,600	$1,122,750	$6,952,628	$499,000	$6,238,009	$7,764,084

Table 4: Substation Facilities Total Estimated Costs

Sub Site	Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)
1	**$10,243,343.00**	$ 870,743	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
2	**$10,895,754.79**	$ 1,523,155	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
3	**$11,004,617.00**	$ 1,632,017	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
4	**$10,039,796.54**	$ 667,197	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
5	**$9,774,880.00**	$ 402,280	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
6	**$9,807,084.00**	$ 434,484	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00
7	**$9,999,864.00**	$ 627,264	$372,000.00	$400,000.00	$3,562,000.00	$2,288,600.00	$2,750,000.00

Table 4-1
Environmental and Land Use Data For Route Evaluation (Route Z-2)
Scenic Loop

Evaluation Criteria		
Land Use		**Z-2**
1	Length of alternative route (miles)	4 46
2	Number of habitable structures[1] within 300 feet of the route centerline	32
3	Length of ROW using existing transmission line ROW	0
4	Length of ROW parallel and adjacent to existing transmission line ROW	0
5	Length of ROW parallel to other existing ROW (roadways, railways, canals, etc)	1 60
6	Length of ROW parallel and adjacent to apparent property lines[2]	1 58
7	Sum of evaluation criteria 4, 5, and 6	3 18
8	Percent of evaluation criteria 4, 5, and 6	71%
9	Length of ROW across parks/recreational areas[3]	0
10	Number of additional parks/recreational areas[3] within 1,000 feet of ROW centerline and substation site	0
11	Length of ROW across cropland	0
12	Length of ROW across pasture/rangeland	0 54
13	Length of ROW across land irrigated by traveling systems (rolling or pivot type)	0
14	Length of route across conservation easements and/or mitigation banks (Special Management Area)	0
15	Length of route across gravel pits, mines, or quarries	0
16	Length of ROW parallel and adjacent to pipelines[4]	0
17	Number of pipeline crossings[4]	0
18	Number of transmission line crossings	0
19	Number of IH, US and state highway crossings	0
20	Number of FM or RM road crossings	0
21	Number of cemeteries within 1,000 feet of the ROW centerline and substation site	1
22	Number of FAA registered airports[5] with at least one runway more than 3,200 feet in length located within 20,000 feet of ROW centerline and substation site	1
23	Number of FAA registered airports[5] having no runway more than 3,200 feet in length located within 10,000 feet of ROW centerline and substation site	0
24	Number of private airstrips within 10,000 feet of the ROW centerline and substation site	0
25	Number of heliports within 5,000 feet of the ROW centerline and substation site	0
26	Number of commercial AM radio transmitters within 10,000 feet of the ROW centerline and substation site	0
27	Number of FM radio transmitters, microwave towers, and other electronic installations within 2,000 feet of ROW centerline and substation site	1
28	Number of identifiable existing water wells within 200 feet of the ROW centerline and substation site	2
29	Number of oil and gas wells within 200 feet of the ROW centerline (including dry or plugged wells) and substation site	0
Aesthetics		
30	Estimated length of ROW within foreground visual zone[6] of IH, US and state highways	0
31	Estimated length of ROW within foreground visual zone[6] of FM/RM roads	0
32	Estimated length of ROW within foreground visual zone[6][7] of parks/recreational areas[3]	0
Ecology		
33	Length of ROW across upland woodlands/brushlands	3 53
34	Length of ROW across bottomland/riparian woodlands	0
35	Length of ROW across NWI mapped wetlands	0
36	Length of ROW across critical habitat of federally listed endangered or threatened species	0
37	Area of ROW across golden-cheeked warbler modeled habitat designated as 3-Moderate High and 4-High Quality (acres)[8]	8 92
38	Area of ROW across golden-cheeked warbler modeled habitat designated as 1-Low and 2-Moderate Low Quality (acres)[8]	11 78
39	Length of ROW across open water (lakes, ponds)	0 00
40	Number of stream and river crossings	8
41	Length of ROW parallel (within 100 feet) to streams or rivers	0 10
42	Length of ROW across Edwards Aquifer Contributing Zone	4 46
43	Length of ROW across FEMA mapped 100-year floodplain	1 03
Cultural Resources		
44	Number of recorded cultural resource sites crossed by ROW	0
45	Number of additional recorded cultural resource sites within 1,000 feet of ROW centerline	2
46	Number of NRHP listed properties crossed by ROW	0
47	Number of additional NRHP listed properties within 1,000 feet of ROW centerline	1
48	Length of ROW across areas of high archeological site potential	3 16

[1] Single-family and multi-family dwellings and related structures, mobile homes, apartment buildings commercial structures industrial structures business structures churches hospitals nursing homes schools or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis within 300 feet of the centerline of a transmission project of 230-kV or less

[2] Apparent property boundaries created by existing roads highways or railroad ROWs are not "double-counted" in the length of ROW parallel to apparent property boundaries criteria

[3] Defined as parks and recreational areas owned by a governmental body or an organized group club or church within 1 000 feet of the centerline of the project

[4] Only steel pipelines six inches and greater in diameter carrying hydrocarbons were quantified in the pipeline crossing and paralleling calculations

[5] As listed in the Chart Supplement South Central US (FAA 2019b formerly known as the Airport/Facility Directory South Central US) and FAA 2019a

[6] One-half mile, unobstructed Lengths of ROW within the visual foreground zone of interstates, US and state highway criteria are not "double-counted" in the length of ROW within the visual foreground zone of FM roads criteria

[7] One-half mile, unobstructed Lengths of ROW within the visual foreground zone of parks/recreational areas may overlap with the total length of ROW within the visual foreground zone of interstates, US and state highway criteria and/or with the total length of ROW within the visual foreground zone of FM roads criteria

[8] From Model C by Diamond et al 2010

All length measurements are shown in miles unless noted otherwise

CPS Energy CCN Application Amendment
(revised 12/23/2020)
Estimated Costs for Transmission Line and Substation Facilities (Z2 added for Bexar Ranch L.P. First RFI)

Table 1: Transmission and Substation Facilities Total Estimated Costs

Route	Total Length (miles)	Sub Site	**Estimated Total Cost	ROW & Land Acquisition	Engineering & Design (Utility)	Engineering & Design (Contract)	Procurement of Material & Equipment	Construction of Facilities (Utility)	Construction of Facilities (Contract)	Other
Z1	4.53	7	**$38,798,708**	$4,498,080	$608,520	$1,561,175	$11,523,763	$3,015,760	$9,891,014	$7,000,360
Z2	4.46	7	**$38,307,938**	$4,850,212	$605,440	$1,543,850	$11,162,205	$3,008,060	$9,656,454	$6,801,560

**Estimated Costs include a 10% Contingency for unknown project costs not evident at the time these estimates were created

Note: In this table, cost for right of way assumes 100 feet adjacent to all roadways, per the RFI request