



Control Number: 50413



Item Number: 3

Addendum StartPage: 0

RECEIVED

2020 FEB 13 AM 11:12

PUBLIC UTILITY COMMISSION
FILING CLERK

§25.52. -- Reliability and Continuity of Service.

<http://www.puc.texas.gov/agency/rulesnlaws/subrules/electric/25.52/25.52.pdf>

Application. This section applies to all electric utilities as defined by the Public Utility Regulatory Act (PURA) §31.002(6) and all transmission and distribution utilities as defined by PURA §31.002(19). The term "utility" as used in this section shall mean an electric utility and a transmission and distribution utility.

Public Utility Regulatory Act §31.002

<http://www.puc.texas.gov/agency/rulesnlaws/statutes/Pura15.pdf>

DEFINITIONS.

The term "Electric utility" does not include a municipally owned utility or an electric cooperative.

Information typed in highlighted cells will appear on following sheets.

Type Name of Utility in the Cell Below

Utility:

Type Total Number of Distribution Feeders in the Cell Below

Feeders:

Due: February 14, 2020

File: Five Printed Copies and
One Electronic Copy of This Excel File

Project:

Address: Attn: Filing Clerk
Public Utility Commission of Texas
P.O. Box 13326
Austin, Texas 78711-3326

If you have any questions, please contact:
David Smithson
Infrastructure & Reliability Division
Commission Staff

Voice: 512 936 7156
Fax: 512 936 7328
E-mail: david.smithson@puc.texas.gov

Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2019 Reporting Year

Xcel Energy

Project 50413

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced 2019	0.85	0.02	0.04	0.08	0.10	0.10	0.09	0.06	0.08	0.09	0.04	0.11	0.04
Scheduled 2019	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Outside Causes 2019	0.20	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.05	0.03	0.00
Major Events 2019	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2019	96.60	1.94	5.02	18.35	8.28	11.15	11.58	6.67	8.62	8.02	3.57	8.98	4.44
Scheduled													
2019	2.36	0.11	0.15	0.40	0.17	0.22	0.11	0.14	0.27	0.13	0.13	0.28	0.26
Outside Causes													
2019	23.15	0.00	1.33	1.68	0.91	0.97	2.33	2.48	2.07	0.90	8.84	1.64	0.00
Major Events													
2019	188.10	0.00	0.00	188.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

347

Add or Delete Rows as Necessary

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1	90	Perryton	PERR1535	415	10.149
2	41	Etter Rural	ETTR5405	594	5.569
3	287	Kingsmill	KING5100	100	5.490
4	1	Lipscomb	LPSB2580	1058	4.576
5	66	Diekemper	DEIKDE110	62	3.694
6	182	Bennett	BENNS345	1093	3.507
7	138	Weatherly	WEAT1350	1455	3.392
8	316	Littlefield City	LITCLI630	94	3.287
9	148	Plainview North	PLVNP260	698	3.268
10	13	Plant X	PLAXX310	603	3.181
11	77	Lawrence Park	LAWR5315	949	3.141
12	8	Coble	COBLLV835	238	3.084
13	22	Adobe Creek	ADOB1115	89	3.067
14	275	Olton	OLTOSO180	558	3.034
15	199	Happy	HAPP7040	382	3.026
16	56	Denver City East	DENES110	903	2.925
17	26	Moore Co	MOORM065	949	2.882
18	118	Muleshoe West	MULWMR130	201	2.871
19	NA	Curry County Interchange	CURX3635	424	2.816
20	337	County Line	COLICL110	14	2.786
21	93	Herring	HERR1438	94	2.734
22	25	Lynn	LYNN6510	246	2.581
23	91	Vega	VEGA5170	63	2.571
24	253	McCullough	MCCU5085	1251	2.541
25	133	Springlake	SPRISO140	195	2.528
26	89	Industrial	INDU1416	862	2.520
27	10	Springcreek	SPRI1320	78	2.500
28	288	Lockney Rural	LOCRLA140	69	2.406
29	7	Lockney Rural	LOCRLA150	89	2.382
30	37	Highland Park	HIGH5335	1037	2.354
31	38	Dalhart	DALH1664	79	2.342
32	99	McCullough	MCCU7005	1268	2.338
33	47	Etter Rural	ETTR5410	774	2.284
34	44	Kingsmill	KING5110	253	2.281
35	280	Westridge	WRIDP450	1507	2.272
36	239	Irick	IRICIB120	54	2.222
37	72	Channing	CHAN1564	29	2.207
38	159	Burnett	BURN1394	46	2.196
39	289	Middleton	MIDDLV820	46	2.174
40	125	Pacific	PACILV930	13	2.154
41	83	Plainview West	PLVWP130	819	2.136
42	123	Burnett	BURN1398	94	2.117
43	156	Dalhart	DALH1580	380	2.082
44	58	Tokio	TOKIS800	77	2.065
45	189	Hastings	HAST7082	979	2.011
46	85	Pacific	PACILV940	68	1.971
47	109	Dumas 19th Street	DU191371	1238	1.966

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
48	57	Channing	CHAN1568	57	1.947
49	208	South Georgia	SGEO2338	3351	1.878
50	30	Whitaker	WHIT5260	1747	1.877
51	198	Irick	IRICIB110	106	1.783
52	52	Doss	DOSS6660	771	1.773
53	340	Dawn	DAWN5A40	35	1.771
54	256	Spring Draw	SPRD2C70	1346	1.770
55	5	Carson County	CARS7030	151	1.768
56	48	34th Street	34ST5B85	2111	1.750
57	255	Van Buren	VANB7198	1607	1.743
58	167	Exell	EXEL1238	250	1.732
59	6	Spearman Int	SPEX1512	982	1.691
60	147	West Anton	WANT3502	625	1.672
61	134	Roberts County	ROBE7065	90	1.667
62	252	Higg East	HGEA6A05	58	1.621
63	68	Buffalo	BUFF2215	455	1.615
64	27	Hendrick	HEND6675	1234	1.613
65	232	Bennett	BENNS365	68	1.588
66	59	Canyon East	CANE5190	2139	1.572
67	130	Southeast	SOEA5C85	2714	1.545
68	2	Seminole Interchange	SEM6E00	1320	1.537
69	104	Whiteface	WHITLV220	256	1.512
70	248	Arrowhead	ARRO5D85	2204	1.500
71	23	Kress Rural	KRERKR120	125	1.456
72	117	Channing	CHAN1675	478	1.444
73	29	Kingsmill	KING5115	840	1.433
74	209	Roxana	ROXA2334	84	1.429
75	15	Seminole Interchange	SEM6E10	374	1.422
76	3	Pringle	PRIN1E15	475	1.398
77	220	Parmer County	PARM2475	823	1.388
78	75	East Plant	EPLAA110	958	1.380
79	152	Hart	HARTHA120	543	1.363
80	81	Lehman	LEHMLV500	188	1.362
81	143	Sherman County	SHER1452	39	1.359
82	234	Doss	DOSSS410	287	1.359
83	302	Arrowhead	ARRO5D80	454	1.346
84	176	Fritch	FRIT1360	891	1.341
85	51	Conway	CONW5010	1466	1.335
86	71	Plainview West	PLVWP110	1436	1.327
87	18	Bush	BUSH5205	552	1.322
88	338	Dalhart	DALH106	185	1.303
89	327	Spearman	SPEA401	358	1.288
90	277	Plainview North	PLVNP270	149	1.275
91	201	Elwood	ELWOLV140	59	1.271
92	111	Van Buren	VANB7046	3596	1.269
93	150	34th Street	34ST5B90	926	1.244
94	257	Plainview South	PLVSP210	138	1.239
95	210	Texas Farms	TXFA1125	206	1.233
96	157	Hale Center	HACTHR145	500	1.218
97	181	Pullman	PULL2A40	199	1.211
98	249	McCullough	MCCU7002	1257	1.206
99	241	Lynn	LYNN6300	827	1.198

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
100	261	Muleshoe Valley	MULVMR155	1150	1.197
101	279	Olton	OLTOSO170	654	1.187
102	149	Fritch	FRIT1364	1838	1.186
103	63	Wildorado	WILD2014	363	1.171
104	35	Van Buren	VANB7048	358	1.170
105	121	Whiteface	WHITLV210	141	1.170
106	211	Kingsmill	KING5095	53	1.170
107	235	34th Street	34ST5B95	1682	1.165
108	12	Roberts County	ROBE7090	482	1.162
109	62	Tuco	TUCON412	745	1.148
110	173	Plainview South	PLVSP220	555	1.146
111	108	Texaco	TEXALV980	21	1.143
112	139	Vega	VEGA5195	877	1.141
113	82	Lehman	LEHMLV510	64	1.141
114	65	Murphy	MURP7535	1793	1.139
115	282	Weatherly	WEAT1354	869	1.137
116	122	34th Street	34ST2B45	2061	1.131
117	267	Farmers	FARM5385	271	1.129
118	171	Estacado	ESTA5D60	1918	1.115
119	324	Farwell	FARWFA620	79	1.114
120	314	Littlefield West	LITWLI156	242	1.112
121	165	Garza	GARZ6500	721	1.103
122	28	Coburn Creek	CNCK1B25	141	1.099
123	153	Dimmitt South	DIMSDI110	360	1.092
124	266	Hart	HARTHA110	111	1.045
125	14	Lockney Rural	LOCR3417	918	1.028
126	102	South Floydada	SFLO3547	258	1.019
127	306	Sunset	SUNS5D40	1496	0.961
128	64	Cherry	CHER5C10	1705	0.936
129	21	Highland Park	HIGH5325	292	0.925
130	154	Springcreek	SPRI1316	343	0.913
131	237	Russell	RUSSS385	74	0.905
132	119	Slaton	SLAT6690	847	0.901
133	215	West Borger	WBOR1A20	1273	0.899
134	331	Dalhart	DALH108	322	0.885
135	295	Lawrence Park	LAWR5020	1537	0.885
136	113	Plainview East	PLVEP180	272	0.882
137	290	Osage	OSAG6060	133	0.872
138	229	Wade	WADE1B025	31	0.871
139	55	Vickers	VICK6680	1658	0.871
140	300	Canyon West	CANW7128	1770	0.866
141	131	Westridge	WRIDP460	559	0.826
142	191	Southeast	SOEA5C80	328	0.826
143	185	Bowers	BOWE2057	555	0.818
144	183	Herring	HERR1434	1181	0.813
145	223	La Plata	LAPL2D70	1546	0.812
146	136	Canyon West	CANW7124	2310	0.809
147	16	Riverview	RIVER095	460	0.809
148	107	Allred	ALLRS140	336	0.792
149	60	Riverview	RIVER090	17	0.765
150	230	Levelland City	LEVCLV190	2273	0.761
151	17	Wellman	WELLS755	246	0.760

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
152	24	Roxana	ROXA2076	393	0.758
153	67	Doss	DOSS400	1079	0.742
154	296	Cedar Lake East	CEDES910	25	0.720
155	NA	Osage	OUTP2A050	489	0.716
156	53	McLean Rural	MCLE5300	803	0.707
157	45	Flanagan	FLANS550	112	0.696
158	172	Lake Meredith	LAKM2B55	46	0.696
159	204	Pierce	PIER5B00	1015	0.690
160	260	Moss	MOSS6540	307	0.671
161	272	Pierce	PIER5B10	923	0.662
162	217	Estacado	ESTA5D15	673	0.660
163	114	Slaton	SLATSL140	581	0.654
164	141	Dalhart	DALH1246	1727	0.648
165	50	Dumas 19th Street	DU191498	64	0.641
166	177	Levelland City	LEVCLV180	2274	0.615
167	236	Whitaker	WHIT5270	2749	0.587
168	164	Carson County	CARS7034	53	0.585
169	98	Fain	FAIN1105	100	0.580
170	49	Kingsmill	KING5105	338	0.574
171	46	Denver City East	DENES100	1006	0.573
172	129	Slaton	SLAT6600	1141	0.571
173	276	Lawrence Park	LAWR5050	1210	0.570
174	258	Barwise	BARWIB140	93	0.570
175	344	Prentice	PRENS875	32	0.563
176	226	Kiser	KISRP970	2862	0.554
177	196	Moore Co	MOORM055	69	0.551
178	161	Cherry	CHER5C15	1660	0.545
179	333	Dalhart	DALH114	147	0.544
180	128	Palo Duro	PALO1C35	882	0.529
181	124	Middleton	MIDDLV810	17	0.529
182	9	Bowers	BOWE5090	131	0.519
183	322	Lake Meredith	LAKM2B65	33	0.515
184	228	Spring Draw	SPRD2C80	1839	0.512
185	97	Plainview East	PLVEP160	331	0.511
186	321	Farmers	FARM5390	1596	0.505
187	54	Boardman	BOARS560	168	0.500
188	264	Sunset	SUNS1A030	530	0.496
189	160	Howard	HOWA2480	623	0.490
190	195	Lawrence Park	LAWR5030	1620	0.480
191	36	Boardman	BOARS430	21	0.476
192	240	East Plant	EPLAA126	636	0.473
193	301	Allmon	ALLMAT120	694	0.468
194	78	Dawn	DAWN5A35	466	0.468
195	61	Kress Rural	KRERKR140	138	0.464
196	69	Spring Draw	SPRD2C75	1266	0.460
197	254	Sudan Rural	SUDRSR120	473	0.427
198	246	Dalhart	DALH1298	1729	0.427
199	146	East Plant	EPLAA118	2735	0.420
200	112	Farmers	FARM5395	1427	0.419
201	163	Happy	HAPP2326	278	0.417
202	206	Outpost	OUTP2A060	152	0.414
203	303	South Georgia	SCEO2342	1137	0.413

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
204	103	Wildorado	WILD2018	217	0.406
205	31	Riverview	RIVER100	254	0.406
206	135	Garza	GARZ6520	380	0.405
207	70	Springlake	SPRISO150	291	0.402
208	265	Manhattan	MANH7160	1226	0.400
209	227	Lipscomb	LPSB1E50	486	0.397
210	96	Kite	KITE5B80	1092	0.395
211	221	Lyons	LYON5C20	1411	0.391
212	179	Tuco	TUCON404	779	0.383
213	315	Dalhart	DALH116	264	0.379
214	84	Lawrence Park	LAWR5025	1802	0.377
215	169	Buffalo	BUFF5165	211	0.365
216	310	Whitharral	WHITLV710	88	0.364
217	174	Bennett	BENNS290	124	0.363
218	200	Hereford	HERE2D50	743	0.361
219	188	Lynn	LYNN6340	624	0.357
220	142	Mallet	MALLLV120	14	0.357
221	214	Bush	BUSH5210	1801	0.357
222	158	Barwise	BARWIB130	59	0.356
223	341	Hillside	HILS2B05	68	0.353
224	222	Soncy	SONC5130	723	0.351
225	73	Sherman County	SHER1448	20	0.350
226	192	West Borger	WBOR1A10	1206	0.348
227	95	Southland	SOUTSO110	96	0.333
228	33	Doss	DOSS6670	1408	0.332
229	110	Tenneco	TENNS440	206	0.325
230	168	Conway	CONW5005	1626	0.320
231	79	Pierce	PIER5B05	965	0.310
232	137	Doss	DOSS495	1006	0.309
233	219	Estacado	ESTA5D20	1878	0.308
234	283	Levelland East	LEVELV950	517	0.306
235	175	Perryton	PERR1235	1652	0.304
236	250	Lawrence Park	LAWR5275	1248	0.300
237	151	Sherman County	SHER1456	1126	0.294
238	34	Dimmitt East	DIMEDI180	438	0.292
239	40	Bowers	BOWE2053	49	0.286
240	291	Canadian	CANA325	392	0.276
241	225	Soncy	SONC7116	66	0.273
242	140	Hastings	HAST7078	3476	0.271
243	212	Hereford	HERE2D45	1611	0.267
244	155	Manhattan	MANH7164	1649	0.266
245	4	Dumas 19th Street	DU191470	2110	0.264
246	243	Osage	OSAG6040	2187	0.264
247	145	Littlefield City	LITCLI640	430	0.263
248	207	Howard	HOWA2485	406	0.256
249	88	Hastings	HAST7074	1437	0.255
250	218	Kite	KITE5075	1260	0.255
251	233	Levelland East	LEVELV960	1080	0.254
252	197	Lyons	LYON5C25	1845	0.253
253	269	Yellowhouse	YELLLV900	24	0.250
254	245	Osage	OSAG6065	1820	0.247
255	317	Morton	MORTM120	154	0.247

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
256	334	Littlefield South	LITSLI120	216	0.241
257	190	Littlefield South	LITSLI110	1558	0.238
258	304	Industrial	INDU1412	1043	0.231
259	278	Dumas 19th Street	DU191175	1412	0.228
260	100	Manhattan	MANH5135	699	0.227
261	32	Friona Rural	FRIO2436	1722	0.224
262	345	Whitaker	WHIT5265	72	0.222
263	193	La Plata	LAPL2D65	2682	0.216
264	281	Littlefield City	LITCLI610	313	0.214
265	242	Moss	MOSS6320	1249	0.213
266	251	Lipscomb	LPSB1E40	221	0.208
267	20	Kiser	KISRP965	749	0.206
268	294	Canyon East	CANE5185	922	0.204
269	270	South Georgia	SGEO5B35	1701	0.200
270	116	Canadian	CANA335	307	0.199
271	312	Moore Co	MOORM060	190	0.195
272	194	Hale Center	HACTHR110	632	0.195
273	202	Perryton	PERR1230	794	0.184
274	268	Canadian	CANA340	448	0.183
275	92	Aiken Rural	AIKRLA110	111	0.180
276	247	Riley	RILES500	51	0.176
277	105	Hastings	HAST7086	946	0.174
278	178	Coulter	COUL5290	1490	0.168
279	286	Carlisle	CARL6650	936	0.168
280	186	Outpost	OUTP2A055	1120	0.166
281	273	Exell	EXEL1242	79	0.165
282	293	Garza	GARZPO120	329	0.161
283	127	Amherst	AMHEAM620	353	0.159
284	231	Dimmitt East	DIMEDI150	880	0.157
285	205	Muleshoe West	MULWMR140	664	0.157
286	297	Plainview South	PLVSP230	572	0.152
287	80	Dumas 19th Street	DU191367	1887	0.147
288	86	Coburn Creek	CNCK1B30	44	0.136
289	87	Spearmen	SPEA302	577	0.133
290	94	Monroe	MONR6610	445	0.130
291	11	Van Buren	VANB7044	831	0.129
292	244	Muleshoe Valley	MULVMR150	465	0.127
293	166	South Georgia	SGEO2346	1128	0.126
294	120	Soncy	SONC7020	414	0.126
295	323	Estacado	ESTA5D10	2414	0.107
296	106	South Floydada	SFLO3551	38	0.105
297	43	Hendrick	HEND6685	1050	0.098
298	216	South Georgia	SGEO5B40	1951	0.097
299	271	Kite	KITE7106	636	0.093
300	318	Lariat	LARIMR110	54	0.093
301	224	Kress Rural	KRERKR110	335	0.093
302	76	East Plant	EPLAA122	2012	0.092
303	284	Farwell	FARWFA610	324	0.090
304	259	Morton	MORTM130	853	0.089
305	307	Hillside	HILS2B10	867	0.088
306	144	Estacado	ESTA5D65	2180	0.085
307	238	Kingsmill	KING1B80	24	0.083

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
308	326	Coulter	COUL5280	852	0.079
309	132	Canyon West	CANW5160	907	0.077
310	126	Zavala	ZAVALV780	13	0.077
311	330	Jaybee	JAYBS765	53	0.075
312	180	Brisco	BRIS3434	475	0.072
313	39	Parmer County	PARM2465	42	0.071
314	308	Puckett West	PUCW5C35	2280	0.071
315	203	South Georgia	SGEO5B30	1415	0.068
316	184	Perryton	PERR1530	1496	0.059
317	213	Slaton	SLATSL150	452	0.058
318	74	Dimmitt South	DIMSDI120	333	0.054
319	262	Garza	GARZPO110	502	0.046
320	325	Estacado	ESTA5D70	730	0.044
321	311	Canadian	CANA350	252	0.044
322	298	Sudan Rural	SUDRSR110	23	0.043
323	328	Spearman	SPEA301	436	0.041
324	329	Van Buren	VANB7190	52	0.038
325	342	Levelland City	LEVCLV520	159	0.038
326	320	Brownfield	BROW6580	301	0.037
327	42	Soncy	SONC7024	1243	0.034
328	335	Amherst	AMHEAM610	31	0.032
329	319	Riley	RILES510	99	0.030
330	292	Coulter	COUL5285	1205	0.029
331	115	Puckett West	PUCW5C30	746	0.025
332	343	Littlefield City	LITCLI620	82	0.024
333	332	Van Buren	VANB7194	94	0.021
334	299	Spearman	SPEA402	370	0.016
335	NA	Hillside	HILS2B040	163	0.012
336	187	Plainview West	PLVWP120	224	0.004
337	313	Hillside	HILS2B15	1619	0.002
338	NA	Hillside	HILS2B035	1999	0.001
339	309	Adair	ADAIS790	17	0.000
340	336	Bainer	BAINBA601	11	0.000
341	170	Brisco	BRIS3457	14	0.000
342	285	Bush	BUSH5215	1357	0.000
343	339	Damron	DAMR5365	11	0.000
344	19	Lockney Rural	LOCR3421	21	0.000
345	263	Puckett West	PUCW5C60	127	0.000
346	305	Sunset	SUNS1A035	60	0.000
347	101	Sunset	SUNS5D35	47	0.000

Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

347

Add or Delete Rows as Necessary

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
1	163	Perryton	PERR1535	415	1028.13
2	136	Diekemper	DEIKDE110	62	913.60
3	194	Bennett	BENNS365	68	810.63
4	34	Adobe Creek	ADOB1115	89	752.85
5	7	Springcreek	SPRI1320	78	742.69
6	21	Etter Rural	ETTR5405	594	664.20
7	172	Springlake	SPRISO140	195	627.33
8	111	Pacific	PACILV940	68	597.40
9	56	Herring	HERR1438	94	592.10
10	1	Lipscomb	LPSEB2580	1058	571.87
11	117	Pacific	PACILV930	13	565.42
12	299	Kingsmill	KING5100	100	563.50
13	58	Plant X	PLAXX310	603	527.36
14	122	Burnett	BURN1394	46	522.83
15	262	Irick	IRICIB120	54	487.46
16	158	Roxana	ROXA2334	84	485.86
17	214	Industrial	INDU1416	862	482.94
18	182	Irick	IRICIB110	106	473.43
19	86	Lehman	LEHMLV500	188	456.92
20	187	Plainview North	PLVNP260	698	443.72
21	39	Channing	CHAN1564	29	434.27
22	5	Lockney Rural	LOCRLA150	89	434.17
23	61	Vega	VEGA5170	63	432.96
24	107	Lehman	LEHMLV510	64	418.47
25	42	Burnett	BURN1398	94	404.74
26	100	Tokio	TOKIS800	77	393.17
27	NA	Curry County Interchange	CURX3635	424	391.33
28	10	Lynn	LYNN6510	246	389.79
29	37	Channing	CHAN1568	57	371.57
30	278	Whitharral	WHITLV710	88	371.15
31	55	Sherman County	SHER1452	39	368.51
32	15	Lawrence Park	LAWR5315	949	347.29
33	161	Texas Farms	TXFA1125	206	337.09
34	28	Coble	COBLLV835	238	332.17
35	126	Muleshoe West	MULWMR130	201	330.52
36	250	Olton	OLTOSO180	558	319.26
37	160	Vega	VEGA5195	877	316.64
38	62	Highland Park	HIGH5335	1037	313.86
39	25	Dalhart	DALH1664	79	313.28
40	108	Slaton	SLAT6600	1141	311.92
41	225	Higg East	HGEA6A05	58	300.00
42	285	Middleton	MIDDLV820	46	295.87
43	129	Exell	EXEL1238	250	286.79
44	183	Dimmitt South	DIMSDI110	360	276.29
45	196	Hastings	HAST7082	979	276.01
46	52	Wildorado	WILD2014	363	276.01
47	337	County Line	COLICL110	14	274.07

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
48	275	Plainview North	PLVNP270	149	270.09
49	2	Carson County	CARS7030	151	267.44
50	176	Lynn	LYNN6340	624	265.34
51	168	Roberts County	ROBE7065	90	264.23
52	26	Spearman Int	SPEX1512	982	263.70
53	121	Moore Co	MOORM065	949	259.94
54	242	Elwood	ELWOLV140	59	259.80
55	78	Buffalo	BUFF2215	455	259.30
56	267	Olton	OLTOSO170	654	253.78
57	109	Pullman	PULL2A40	199	251.13
58	112	Dalhart	DALH1580	380	242.52
59	171	Happy	HAPP7040	382	239.86
60	340	Dawn	DAWN5A40	35	239.54
61	276	Lockney Rural	LOCRLA140	69	236.77
62	72	Texaco	TEXALV980	21	235.99
63	82	Vickers	VICK6680	1658	230.82
64	38	Channing	CHAN1675	478	226.31
65	89	Etter Rural	ETTR5410	774	219.72
66	210	Lynn	LYNN6300	827	216.64
67	4	Pringle	PRIN1E15	475	215.70
68	32	Doss	DOSS6660	771	214.87
69	85	Whiteface	WHITLV210	141	213.86
70	40	Kingsmill	KING5115	840	210.50
71	185	South Georgia	SGEO2338	3351	207.29
72	130	Weatherly	WEAT1350	1455	206.72
73	9	Seminole Interchange	SEM6E10	374	199.92
74	315	Spearman	SPEA401	358	198.71
75	200	Parmer County	PARM2475	823	197.45
76	75	Highland Park	HIGH5325	292	196.72
77	191	West Anton	WANT3502	625	196.50
78	23	Fain	FAIN1105	100	195.76
79	18	Hendrick	HEND6675	1234	195.72
80	120	Plainview West	PLVWP110	1436	192.75
81	282	Westridge	WRIDP450	1507	183.06
82	14	Bush	BUSH5205	552	178.51
83	229	Bennett	BENNS345	1093	177.18
84	241	Spring Draw	SPRD2C70	1346	176.61
85	81	Murphy	MURP7535	1793	174.09
86	64	Bowers	BOWE2057	555	171.80
87	293	Osage	OSAG6060	133	168.92
88	95	South Floydada	SFLO3547	258	167.46
89	222	Arrowhead	ARRO5D85	2204	164.68
90	279	Van Buren	VANB7198	1607	164.57
91	46	Van Buren	VANB7048	358	161.67
92	328	Littlefield City	LITCLI630	94	161.17
93	24	McLean Rural	MCLE5300	803	159.19
94	31	Roberts County	ROBE7090	482	157.62
95	36	Kingsmill	KING5110	253	157.45
96	206	Wade	WADE1B025	31	155.79
97	300	Sunset	SUNS5D40	1496	152.02
98	98	Canyon East	CANE5190	2139	152.00
99	113	Slaton	SLAT6690	847	150.90

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
100	264	Hart	HARTHA110	111	147.84
101	153	Kingsmill	KING5095	53	147.04
102	140	Herring	HERR1434	1181	146.99
103	114	Fritch	FRIT1360	891	146.62
104	165	Springcreek	SPRI1316	343	146.60
105	125	Mallet	MALLLV120	14	146.43
106	254	McCullough	MCCU5085	1251	145.61
107	149	Lake Meredith	LAKM2B55	46	144.90
108	20	Riverview	RIVER095	460	141.75
109	11	Riverview	RIVER100	254	137.21
110	66	Wellman	WELLS755	246	136.08
111	30	Cherry	CHER5C10	1705	134.68
112	280	Moss	MOSS6540	307	133.87
113	NA	Osage	OUTP2A050	489	133.28
114	128	34th Street	34ST5B90	926	133.03
115	307	Arrowhead	ARRO5D80	454	132.25
116	115	Plainview East	PLVEP180	272	132.24
117	63	Conway	CONW5010	1466	132.05
118	79	Whiteface	WHITLV220	256	131.70
119	331	Dalhart	DALH114	147	129.52
120	321	Dalhart	DALH108	322	124.32
121	256	Pierce	PIER5B10	923	123.22
122	60	Denver City East	DENES110	903	122.67
123	119	Tuco	TUCON412	745	122.07
124	167	Garza	GARZ6500	721	119.64
125	233	Estacado	ESTA5D15	673	119.62
126	131	Southeast	SOEA5C85	2714	118.13
127	169	Carson County	CARS7034	53	117.83
128	144	Hale Center	HACTHR145	500	116.00
129	261	Lawrence Park	LAWR5020	1537	113.71
130	253	Lawrence Park	LAWR5275	1248	110.40
131	67	Dumas 19th Street	DU191498	64	109.08
132	76	Dumas 19th Street	DU191371	1238	108.87
133	97	Riverview	RIVER090	17	108.12
134	281	Lawrence Park	LAWR5050	1210	107.93
135	192	McCullough	MCCU7005	1268	107.73
136	147	Whitaker	WHIT5260	1747	105.81
137	29	Coburn Creek	CNCK1B25	141	105.41
138	338	Dalhart	DALH106	185	104.30
139	291	Weatherly	WEAT1354	869	103.25
140	104	34th Street	34ST5B85	2111	102.91
141	311	Canyon West	CANW7128	1770	100.85
142	33	Lockney Rural	LOCR3417	918	100.82
143	151	Plainview East	PLVEP160	331	99.89
144	266	McCullough	MCCU7002	1257	98.64
145	175	Southeast	SOEA5C80	328	98.03
146	101	Slaton	SLATSL140	581	97.25
147	137	Cherry	CHER5C15	1660	96.47
148	71	Kress Rural	KRERKR120	125	96.10
149	50	Denver City East	DENES100	1006	96.10
150	105	Garza	GARZ6520	380	94.43
151	344	Prentice	PRENS875	32	94.00

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
152	17	Bowers	BOWE5090	131	92.92
153	88	Palo Duro	PALO1C35	882	92.21
154	248	Sunset	SUNS1A030	530	92.02
155	3	Roxana	ROXA2076	393	91.71
156	103	Dalhart	DALH1246	1727	91.62
157	290	Plainview South	PLVSP210	138	90.93
158	249	Farmers	FARM5385	271	90.67
159	48	Spring Draw	SPRD2C75	1266	89.93
160	159	Allred	ALLRS140	336	89.60
161	180	Doss	DOSSS410	287	88.56
162	132	Moore Co	MOORM055	69	87.96
163	80	Dawn	DAWN5A35	466	86.93
164	154	Hart	HARTHA120	543	83.57
165	226	Happy	HAPP2326	278	83.17
166	212	East Plant	EPLAA126	636	82.23
167	44	Kingsmill	KING5105	338	80.66
168	145	Canyon West	CANW7124	2310	79.41
169	8	Seminole Interchange	SEMX6E00	1320	77.56
170	209	Estacado	ESTA5D20	1878	76.51
171	227	Russell	RUSSS385	74	76.04
172	178	Pierce	PIER5B00	1015	75.09
173	252	Muleshoe Valley	MULVMR155	1150	74.77
174	310	Lake Meredith	LAKM2B65	33	74.64
175	127	Hastings	HAST7078	3476	71.88
176	259	Dalhart	DALH1298	1729	71.47
177	205	34th Street	34ST5B95	1682	70.89
178	96	Westridge	WRIDP460	559	70.16
179	195	Bush	BUSH5210	1801	68.43
180	73	Plainview West	PLVWP130	819	68.17
181	255	Spring Draw	SPRD2C80	1839	68.15
182	16	Flanagan	FLANS550	112	67.72
183	202	Plainview South	PLVSP220	555	66.85
184	94	Farmers	FARM5395	1427	65.99
185	142	34th Street	34ST2B45	2061	64.64
186	110	Van Buren	VANB7046	3596	64.27
187	43	Springlake	SPRISO150	291	63.87
188	19	Dimmitt East	DIMEDI180	438	60.95
189	341	Hillside	HILS2B05	68	60.88
190	244	Barwise	BARWIB140	93	60.09
191	211	Lipscomb	LPSB1E50	486	59.57
192	35	Middleton	MIDDLV810	17	59.00
193	123	Kite	KITE5B80	1092	58.99
194	12	Doss	DOSSS400	1079	58.72
195	106	East Plant	EPLAA110	958	56.84
196	274	West Borger	WBOR1A10	1206	56.55
197	232	La Plata	LAPL2D70	1546	56.41
198	332	Farwell	FARWFA620	79	56.27
199	162	Perryton	PERR1235	1652	55.50
200	213	West Borger	WBOR1A20	1273	54.06
201	188	Outpost	OUTP2A055	1120	53.70
202	289	Cedar Lake East	CEDES910	25	53.49
203	263	Yellowhouse	YELLV900	24	52.94

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
204	41	Boardman	BOARS560	168	52.46
205	177	Estacado	ESTA5D60	1918	52.18
206	157	Barwise	BARWIB130	59	51.81
207	198	Tuco	TUCON404	779	51.58
208	303	Farmers	FARM5390	1596	51.52
209	59	Boardman	BOARS430	21	51.33
210	152	Lawrence Park	LAWR5030	1620	50.88
211	221	Osage	OSAG6040	2187	50.06
212	54	Southland	SOUTSO110	96	49.61
213	246	Manhattan	MANH7160	1226	48.30
214	184	Howard	HOWA2480	623	48.05
215	139	Bennett	BENNS290	124	47.83
216	156	Outpost	OUTP2A060	152	47.11
217	207	Hereford	HERE2D50	743	46.72
218	308	Allmon	ALLMAT120	694	46.40
219	238	Lipscomb	LPSB1E40	221	45.87
220	199	Levelland City	LEVCLV180	2274	45.78
221	53	Wildorado	WILD2018	217	45.32
222	239	Kiser	KISRP970	2862	45.32
223	305	Canadian	CANA325	392	44.36
224	124	Lawrence Park	LAWR5025	1802	44.35
225	141	Manhattan	MANH7164	1649	43.94
226	265	Littlefield City	LITCLI610	313	43.90
227	164	Conway	CONW5005	1626	43.27
228	317	Dalhart	DALH116	264	42.92
229	45	Sherman County	SHER1448	20	42.29
230	91	Kress Rural	KRERKR140	138	41.78
231	116	Manhattan	MANH5135	699	41.65
232	138	Doss	DOSSS495	1006	40.77
233	313	Moore Co	MOORM060	190	40.11
234	204	Buffalo	BUFF5165	211	39.93
235	102	Sherman County	SHER1456	1126	39.66
236	236	Sudan Rural	SUDRSR120	473	39.31
237	327	Littlefield West	LITWLI156	242	39.05
238	155	Hastings	HAST7074	1437	38.56
239	134	Fritch	FRIT1364	1838	38.20
240	148	East Plant	EPLAA118	2735	37.76
241	216	Whitaker	WHIT5270	2749	37.70
242	231	Exell	EXEL1242	79	37.49
243	230	Lyons	LYON5C25	1845	36.92
244	235	Hereford	HERE2D45	1611	36.65
245	251	Levelland City	LEVCLV190	2273	36.45
246	296	Osage	OSAG6065	1820	36.31
247	314	Morton	MORTM120	154	35.86
248	6	Tenneco	TENNS440	206	35.37
249	218	Soncy	SONC5130	723	34.69
250	190	South Georgia	SGEO5B30	1415	33.99
251	237	Lyons	LYON5C20	1411	30.74
252	57	Dimmitt South	DIMSDI120	333	30.57
253	70	Kiser	KISRP965	749	30.27
254	181	La Plata	LAPL2D65	2682	30.25
255	301	Levelland East	LEVELV950	517	29.79

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
256	302	South Georgia	SGEO2342	1137	28.75
257	247	Dumas 19th Street	DU191175	1412	28.46
258	68	Pierce	PIER5B05	965	28.12
259	287	Industrial	INDU1412	1043	27.42
260	166	Littlefield South	LITSLI110	1558	27.29
261	240	Amherst	AMHEAM620	353	26.96
262	189	Coulter	COUL5290	1490	26.91
263	69	Friona Rural	FRIO2436	1722	26.67
264	49	Doss	DOSS6670	1408	26.55
265	27	Hendrick	HEND6685	1050	26.20
266	208	Littlefield City	LITCLI640	430	25.89
267	22	Van Buren	VANB7044	831	25.13
268	345	Whitaker	WHIT5265	72	24.67
269	83	South Floydada	SFLO3551	38	24.16
270	47	Dumas 19th Street	DU191470	2110	22.55
271	286	Soncy	SONC7116	66	22.35
272	84	Canadian	CANA335	307	22.33
273	133	Hastings	HAST7086	946	22.17
274	92	Aiken Rural	AIKRLA110	111	22.07
275	334	Littlefield South	LITSLI120	216	22.06
276	215	Perryton	PERR1230	794	21.92
277	243	Moss	MOSS6320	1249	21.65
278	272	Levelland East	LEVELV960	1080	21.59
279	283	Morton	MORTM130	853	21.08
280	245	Howard	HOWA2485	406	20.72
281	288	Mulshoe Valley	MULVMR150	465	19.69
282	284	Canyon East	CANE5185	922	19.65
283	234	South Georgia	SGEO5B35	1701	19.55
284	271	Kite	KITE7106	636	19.31
285	323	Estacado	ESTA5D10	2414	18.75
286	273	Kite	KITE5075	1260	18.31
287	90	Bowers	BOWE2053	49	17.63
288	268	Carlisle	CARL6650	936	17.30
289	223	Dimmitt East	DIMEDI150	880	17.25
290	219	Mulshoe West	MULWMR140	664	16.83
291	174	Riley	RILES500	51	16.67
292	87	East Plant	EPLAA122	2012	15.65
293	186	Dumas 19th Street	DU191367	1887	15.39
294	258	Puckett West	PUCW5C35	2280	14.65
295	170	South Georgia	SGEO5B40	1951	14.60
296	201	Hale Center	HACTHR110	632	14.51
297	74	Soncy	SONC7020	414	14.32
298	150	Spearman	SPEA302	577	13.83
299	292	Canadian	CANA340	448	13.48
300	316	Plainview South	PLVSP230	572	13.27
301	135	Estacado	ESTA5D65	2180	13.07
302	146	South Georgia	SGEO2346	1128	12.38
303	193	Coburn Creek	CNCK1B30	44	12.34
304	324	Coulter	COUL5280	852	12.11
305	217	Slaton	SLATSL150	452	11.41
306	197	Brisco	BRIS3434	475	11.24
307	203	Perryton	PERR1530	1496	10.92

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
308	51	Zavala	ZAVALV780	13	10.31
309	77	Monroe	MONR6610	445	10.30
310	333	Van Buren	VANB7194	94	10.01
311	297	Garza	GARZPO120	329	9.98
312	228	Kress Rural	KRERKR110	335	8.63
313	143	Puckett West	PUCW5C30	746	8.52
314	306	Lariat	LARIMR110	54	8.24
315	257	Kingsmill	KING1B80	24	8.00
316	330	Jaybee	JAYBS765	53	7.77
317	312	Hillside	HILS2B10	867	7.60
318	318	Spearman	SPEA301	436	6.48
319	319	Coulter	COUL5285	1205	6.37
320	329	Estacado	ESTA5D70	730	6.22
321	298	Farwell	FARWFA610	324	5.98
322	320	Brownfield	BROW6580	301	5.92
323	65	Parmer County	PARM2465	42	5.24
324	224	Garza	GARZPO110	502	4.39
325	173	Canyon West	CANW5160	907	4.38
326	304	Sudan Rural	SUDRSR110	23	4.26
327	118	Soncy	SONC7024	1243	3.02
328	325	Riley	RILES510	99	2.99
329	342	Levelland City	LEVCLV520	159	2.44
330	335	Amherst	AMHEAM610	31	2.13
331	295	Hillside	HILS2B15	1619	2.11
332	260	Spearman	SPEA402	370	2.02
333	326	Van Buren	VANB7190	52	1.94
334	343	Littlefield City	LITCLI620	82	1.83
335	NA	Hillside	HILS2B040	163	1.66
336	309	Canadian	CANA350	252	1.35
337	220	Plainview West	PLVWP120	224	0.49
338	NA	Hillside	HILS2B035	1999	0.10
339	322	Adair	ADAIS790	17	0.00
340	336	Bainer	BAINBA601	11	0.00
341	179	Brisco	BRIS3457	14	0.00
342	270	Bush	BUSH5215	1357	0.00
343	339	Damron	DAMR5365	11	0.00
344	13	Lockney Rural	LOCR3421	21	0.00
345	277	Puckett West	PUCW5C60	127	0.00
346	269	Sunset	SUNS1A035	60	0.00
347	93	Sunset	SUNS5D35	47	0.00

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2019 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	17.03%
Vegetation	2.15%
Animals and Birds	6.28%
People (Including cars and farm equip)	6.09%
Utility-owned Equipment	54.02%
Other	3.89%
Unknown	10.55%