



Control Number: 47924



Item Number: 5

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§25.52. -- Reliability and Continuity of Service.

2018 FEB 14 AM 10:02

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

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/ruleslaws/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, 2018

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

Project: 47924

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

If you have any questions, please contact:

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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2017 Reporting Year

Xcel Energy

Project 47924

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 2017	0.90	0.07	0.05	0.07	0.06	0.09	0.15	0.13	0.09	0.06	0.07	0.01	0.04
Scheduled 2017	0.06	0.00	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Outside Causes 2017	0.28	0.03	0.01	0.03	0.01	0.04	0.05	0.05	0.02	0.00	0.01	0.00	0.02
Major Events 2017	0.30	0.16	0.00	0.00	0.12	0.00	0.00	0.00	0.03	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													
2017	119.98	13.80	4.22	7.04	11.32	8.21	18.89	20.64	10.75	5.80	14.11	1.32	3.87
Scheduled													
2017	3.85	0.06	0.24	0.41	0.73	0.37	0.64	0.07	0.24	0.24	0.40	0.15	0.28
Outside Causes													
2017	23.70	2.25	0.47	3.96	0.44	1.94	7.82	3.63	0.70	0.27	1.08	0.00	1.15
Major Events													
2017	226.34	176.31	0.00	0.00	43.62	0.00	0.00	0.00	6.41	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

351

Add or Delete Rows as Necessary

Xcel Energy

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
1	18	Lipscomb	LPSB2580	1068	10.388
2	180	Sunset	SUNS5D35	65	9.308
3	135	Booker	BOOK535	54	7.315
4	273	Texaco	TEXALV980	24	6.208
5	69	Irick	IRICIB110	83	5.554
6	50	Dumas 19th Stre	DU191470	2293	5.376
7	2	Russell	RUSSS385	61	4.984
8	44	Flanagan	FLANS550	121	4.289
9	53	Pringle	PRIN1E15	470	4.096
10	230	Aiken Rural	AIKRLA110	127	4.071
11	12	Dalhart	DALH1580	372	4.043
12	81	Wade	WADE1B025	70	3.929
13	8	Dumas 19th Stre	DU191498	67	3.910
14	22	Lockney Rural	LOCRLA150	94	3.809
15	37	Etter Rural	ETTR5405	568	3.710
16	New in '17	Kiser	KISRP965	739	3.520
17	229	Spearman Int	SPEX1512	970	3.424
18	90	Sherman County	SHER1452	39	3.359
19	6	Irick	IRICIB120	56	3.304
20	42	Coble	COBLLV835	245	3.184
21	20	Lehman	LEHMLV500	191	3.168
22	236	Plant X	PLAXX310	609	3.148
23	32	Seminole Interch	SEM6E00	799	3.094
24	227	Roberts County	ROBE7065	91	3.022
25	113	Doss	DOSS6660	711	3.006
26	301	Perryton	PERR1235	1622	2.969
27	55	Happy	HAPP7040	369	2.921
28	108	Moore Co	MOORM065	940	2.912
29	190	Van Buren	VANB7198	1578	2.834
30	11	Dalhart	DALH1664	79	2.823
31	72	Hastings	HAST7086	874	2.809
32	330	Fain	FAIN1105	93	2.753
33	23	Carson County	CARS7030	147	2.714
34	97	Tuco	TUCON412	736	2.602
35	5	Channing	CHAN1564	29	2.552
36	47	Plainview East	PLVEP180	297	2.522
37	141	Kingsmill	KING5110	259	2.486
38	195	Dalhart	DALH1246	1735	2.406
39	89	Allmon	ALLMAT120	690	2.361
40	61	South Floydada	SFLO3547	283	2.346
41	192	Mallet	MALLLV120	13	2.308
42	182	Perryton	PERR1230	554	2.301
43	99	Parmer County	PARM2475	811	2.296

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
44	62	Roberts County	ROBE7090	436	2.248
45	164	Mulshoe West	MULWMR130	202	2.188
46	117	Lawrence Park	LAWR5315	980	2.170
47	51	Allred	ALLRS140	330	2.167
48	145	Wildorado	WILD2014	362	2.155
49	188	Arrowhead	ARRO5D85	2112	2.130
50	338	Lipscomb	LPSB1E50	216	2.120
51	292	Adobe Creek	ADOB1115	92	2.120
52	179	Kite	KITE5B80	1075	2.118
53	16	Murphy	MURP7535	1701	2.103
54	76	Tuco	TUCON404	777	2.100
55	235	Levelland City	LEVCLV190	2281	2.090
56	26	Wellman	WELLS755	239	2.071
57	172	Canadian	CANA340	447	2.031
58	254	Garza	GARZ6500	728	1.997
59	48	Buffalo	BUFF5165	217	1.991
60	57	Whiteface	WHITLV210	118	1.958
61	10	Texas Farms	TXFA1125	207	1.957
62	167	Levelland City	LEVCLV180	2268	1.948
63	259	Exell	EXEL1242	86	1.930
64	200	Waterfield	WTRF2368	141	1.851
65	250	Riverview	RIVER095	463	1.836
66	80	Kingsmill	KING5105	338	1.808
67	329	Kite	KITE7106	629	1.795
68	280	34th Street	34ST5B95	1680	1.762
69	17	Bowers	BOWE2057	564	1.738
70	142	West Anton	WANT3502	630	1.684
71	267	Lynn	LYNN6510	265	1.672
72	45	Kress Rural	KRERKR120	127	1.669
73	29	Highland Park	HIGH5335	1033	1.660
74	79	Hale Center	HACTHR145	499	1.657
75	193	Roxana	ROXA2334	91	1.637
76	75	McLean Rural	MCLE5300	826	1.633
77	46	Elwood	ELWOLV140	63	1.571
78	242	Arrowhead	ARRO5D80	441	1.501
79	New in '17	Coburn Creek	CNCK1B25	151	1.497
80	68	Canyon West	CANW7128	1667	1.490
81	1	Plainview North	PLVNP260	76	1.474
82	300	Pacific	PACILV940	66	1.470
83	95	Lake Meredith	LAKM2B65	31	1.452
84	170	Olton	OLTOSO180	566	1.451
85	186	Olton	OLTOSO170	671	1.437
86	104	Plainview West	PLVWP120	221	1.421
87	204	West Borger	WBOR1A10	1227	1.420
88	176	Lyons	LYON5C20	1394	1.418
89	59	Tokio	TOKIS800	68	1.412
90	137	Highland Park	HIGH5325	286	1.402
91	96	Whitaker	WHIT5260	1711	1.400

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
92	24	Van Buren	VANB7194	95	1.358
93	156	Barwise	BARWIB140	115	1.348
94	149	Carson County	CARS7034	52	1.346
95	261	Hereford	HERE2D45	1616	1.345
96	139	Channing	CHAN1675	476	1.345
97	146	East Plant	EPLAA126	643	1.325
98	279	Sherman County	SHER1448	19	1.316
99	241	Manhattan	MANH7164	1643	1.312
100	91	Canyon West	CANW7124	2341	1.307
101	185	Kress Rural	KRERKR110	336	1.295
102	286	Kress Rural	KRERKR140	142	1.289
103	21	Curry County Int	CURX3486	355	1.285
104	123	East Plant	EPLAA118	2795	1.254
105	299	Westridge	WRIDP450	1487	1.250
106	129	Springlake	SPRISO150	289	1.246
107	160	Brisco	BRIS3434	484	1.219
108	60	Kingsmill	KING5115	839	1.213
109	New in '17	Coburn Creek	CNCK1B30	52	1.212
110	283	Lehman	LEHMLV510	66	1.197
111	215	Slaton	SLAT6600	1129	1.187
112	249	Lawrence Park	LAWR5275	1243	1.186
113	124	Boardman	BOARS560	167	1.180
114	287	Springcreek	SPRI1316	344	1.177
115	332	Muleshoe Valley	MULVMR150	332	1.163
116	288	Industrial	INDU1416	863	1.162
117	100	South Georgia	SGEO5B35	1680	1.159
118	285	Lawrence Park	LAWR5020	1535	1.154
119	165	Springcreek	SPRI1320	85	1.153
120	219	Roxana	ROXA2076	400	1.145
121	86	Weatherly	WEAT1354	873	1.141
122	207	Whiteface	WHITLV220	293	1.140
123	174	Vega	VEGA5195	875	1.136
124	205	Riley	RILES500	60	1.133
125	84	Canyon West	CANW5160	843	1.132
126	347	Hillside	HILS2B15	1455	1.131
127	119	Exell	EXEL1238	259	1.120
128	28	East Plant	EPLAA122	1230	1.118
129	154	Barwise	BARWIB130	63	1.111
130	294	Lynn	LYNN6300	831	1.097
131	303	Plainview City	PLVCP620	228	1.083
132	266	Lynn	LYNN6340	614	1.080
133	143	Burnett	BURN1394	52	1.077
134	217	Soncy	SONC7024	1237	1.072
135	340	Lariat	LARIMR110	56	1.071
136	305	Canadian	CANA325	419	1.067
137	4	Dumas 19th Stre	DU191371	1163	1.066
138	78	Plainview East	PLVEP160	318	1.066
139	105	Brownfield	BROW6580	304	1.063

Service Quality Report to the Public Utility Commission of Texas

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2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
140	349	Lockney Rural	LOCR3421	22	1.045
141	243	Coulter	COUL5290	2434	1.038
142	213	Parmer County	PARM2465	42	1.024
143	101	Cherry	CHER5C15	1626	1.016
144	308	Hereford	HERE2D50	747	1.012
145	New in '17	Bainer	BAINBA601	12	1.000
146	83	Moore Co	MOORM060	187	0.979
147	251	Burnett	BURN1398	97	0.959
148	194	Southeast	SOEA5C80	320	0.941
149	33	Middleton	MIDDLV810	16	0.938
150	255	Denver City East	DENES110	878	0.895
151	157	Lake Meredith	LAKM2B55	46	0.848
152	13	Sherman County	SHER1456	1124	0.800
153	148	Hendrick	HEND6675	1253	0.783
154	3	Bowers	BOWE5090	134	0.754
155	350	Lipscomb	LPSB1E40	172	0.738
156	133	Doss	DOSSS495	1041	0.732
157	138	Riverview	RIVER100	255	0.722
158	220	Hart	HARTHA120	544	0.717
159	66	Bennett	BENNS365	66	0.712
160	233	Dimmitt East	DIMEDI150	890	0.698
161	41	Doss	DOSS6670	1876	0.670
162	107	Van Buren	VANB7048	358	0.668
163	169	Perryton	PERR1535	1435	0.663
164	93	Southeast	SOEA5C85	2719	0.634
165	313	Plainview South	PLVSP220	944	0.620
166	335	Spearman	SPEA401	360	0.617
167	203	Plainview South	PLVSP230	570	0.609
168	216	Centre Street	CENT5305	2679	0.593
169	New in '17	Kiser	KISRP970	2159	0.589
170	298	Higg East	HGEA6A05	46	0.587
171	221	Moss	MOSS6320	1262	0.582
172	73	Dawn	DAWN5A35	450	0.582
173	110	Channing	CHAN1568	57	0.579
174	324	Morton	MORTM130	872	0.577
175	131	Howard	HOWA2480	638	0.572
176	103	Littlefield City	LITCLI610	319	0.571
177	74	Spring Draw	SPRD2C80	2100	0.539
178	209	Soncy	SONC5130	725	0.528
179	36	Monroe	MONR6610	433	0.524
180	82	Cherry	CHER5C10	1637	0.498
181	334	Pullman	PULL2A40	199	0.487
182	54	Doss	DOSSS400	1093	0.487
183	260	Van Buren	VANB7046	2752	0.482
184	291	Southland	SOUTSO110	99	0.475
185	9	Kingsmill	KING5100	129	0.473
186	162	Conway	CONW5010	1445	0.464
187	77	Perryton	PERR1530	667	0.459

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
188	307	Vickers	VICK6680	1662	0.456
189	153	Pierce	PIER5B00	992	0.452
190	234	Wildorado	WILD2018	1046	0.450
191	58	34th Street	34ST5B85	2112	0.446
192	341	Littlefield City	LITCLI620	97	0.443
193	184	Hastings	HAST7078	3450	0.443
194	178	Conway	CONW5005	1563	0.443
195	265	Littlefield City	LITCLI640	431	0.434
196	38	Buffalo	BUFF2215	468	0.429
197	125	Hart	HARTHA110	110	0.427
198	262	Dimmitt South	DIMSDI110	359	0.426
199	187	South Georgia	SGEO2338	3369	0.410
200	152	Dumas 19th Street	DU191175	1425	0.407
201	168	County Line	COLICL110	15	0.400
202	56	Riverview	RIVER090	20	0.400
203	151	Farmers	FARM5395	1079	0.396
204	163	South Georgia	SGEO2342	1135	0.396
205	231	Bush	BUSH5210	1689	0.380
206	43	Plainview South	PLVSP210	143	0.378
207	196	Lyons	LYON5C25	1860	0.377
208	63	Palo Duro	PALO1C35	706	0.377
209	49	Fritch	FRIT1360	898	0.372
210	92	Lawrence Park	LAWR5030	1631	0.370
211	228	Muleshoe Valley	MULVMR155	1113	0.367
212	244	Manhattan	MANH7160	1231	0.365
213	128	Garza	GARZ6520	395	0.365
214	226	McCullough	MCCU7005	1307	0.344
215	109	Carlisle	CARL6650	925	0.343
216	94	Bush	BUSH5205	1354	0.342
217	322	Sunset	SUNS5D40	1468	0.341
218	106	Estacado	ESTA5D60	2292	0.339
219	208	South Georgia	SGEO2346	1127	0.333
220	114	Slaton	SLATSL150	459	0.327
221	202	Spring Draw	SPRD2C70	1182	0.325
222	189	Moore Co	MOORM055	71	0.324
223	258	Dalhart	DALH116	266	0.312
224	147	Yellowhouse	YELLLV900	23	0.304
225	166	Tenneco	TENNS440	143	0.294
226	40	Lockney Rural	LOCR3417	932	0.292
227	7	Bowers	BOWE2053	48	0.292
228	71	Vega	VEGA5170	62	0.290
229	159	Dalhart	DALH1298	1688	0.287
230	19	Pierce	PIER5B10	900	0.287
231	345	Brisco	BRIS3457	14	0.286
232	150	Pacific	PACILV930	14	0.286
233	256	Howard	HOWA2485	421	0.285
234	201	34th Street	34ST5B90	966	0.278
235	25	Herring	HERR1438	94	0.277

Service Quality Report to the Public Utility Commission of Texas

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2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
236	35	Plainview City	PLVCP690	44	0.273
237	339	Whitharral	WHITLV710	88	0.273
238	225	Happy	HAPP2326	281	0.270
239	88	Hale Center	HACTHR110	634	0.270
240	161	Westridge	WRIDP460	605	0.269
241	281	Centre Street	CENT5310	1545	0.267
242	191	Hastings	HAST7074	1454	0.258
243	275	Soncy	SONC7020	415	0.258
244	173	Spring Draw	SPRD2C75	955	0.258
245	268	Estacado	ESTA5D10	2408	0.250
246	134	34th Street	34ST2B45	2054	0.248
247	239	Dumas 19th Stre	DU191367	1696	0.248
248	New in '17	Sunset	SUNS1A030	508	0.242
249	116	Dimmitt South	DIMSDI120	347	0.242
250	224	Sudan Rural	SUDRSR110	25	0.240
251	181	Whitaker	WHIT5270	2739	0.240
252	27	Lawrence Park	LAWR5050	1197	0.238
253	326	Canyon East	CANE5190	2065	0.236
254	175	Littlefield South	LITSLI110	1572	0.234
255	264	Bennett	BENNS345	1016	0.226
256	311	Kingsmill	KING1B80	23	0.217
257	130	Lockney Rural	LOCRLA140	74	0.216
258	245	Soncy	SONC7116	61	0.213
259	30	Estacado	ESTA5D15	683	0.212
260	118	Sudan Rural	SUDRSR120	477	0.212
261	206	Osage	OSAG6065	1814	0.212
262	343	Manhattan	MANH5135	698	0.211
263	272	Plainview West	PLWVP110	1442	0.209
264	140	McCullough	MCCU5085	1242	0.208
265	237	Prentice	PRENS875	20	0.200
266	238	Lawrence Park	LAWR5025	1795	0.199
267	306	Farwell	FARWFA620	66	0.197
268	67	Middleton	MIDDLV820	46	0.196
269	52	Seminole Interch	SEM6E10	333	0.195
270	253	Cedar Lake East	CEDES910	26	0.192
271	197	Denver City East	DENES100	1022	0.182
272	171	Boardman	BOARS430	22	0.182
273	320	Garza	GARZPO110	510	0.180
274	218	Etter Rural	ETTR5410	753	0.178
275	34	Estacado	ESTA5D20	1887	0.177
276	318	Mulshoe West	MULWMR140	665	0.174
277	342	Spearman	SPEA402	367	0.174
278	122	Friona Rural	FRIO2436	1685	0.174
279	15	Herring	HERR1434	1182	0.169
280	132	Fritch	FRIT1364	1820	0.166
281	276	Slaton	SLAT6690	854	0.160
282	222	Kite	KITE5075	1259	0.157
283	257	Puckett West	PUCW5C30	746	0.155

Service Quality Report to the Public Utility Commission of Texas

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2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
284	212	Pierce	PIER5B05	955	0.154
285	348	Kingsmill	KING5095	52	0.154
286	327	Sunset	SUNS1A035	60	0.150
287	317	Morton	MORTM120	155	0.148
288	289	Levelland East	LEVELV950	508	0.146
289	98	Estacado	ESTA5D65	2186	0.145
290	319	McCullough	MCCU7002	1260	0.144
291	310	West Borger	WBOR1A20	1293	0.143
292	102	Farmers	FARM5390	1588	0.139
293	210	Levelland East	LEVELV960	1073	0.132
294	296	Hastings	HAST7082	1761	0.127
295	278	Industrial	INDU1412	1046	0.125
296	333	Spearman	SPEA302	592	0.125
297	85	East Plant	EPLAA110	929	0.125
298	293	Hendrick	HEND6685	1102	0.123
299	247	Waterfield	WTRF2364	125	0.120
300	277	Osage	OSAG6040	1927	0.114
301	325	Littlefield City	LITCLI630	103	0.107
302	31	South Floydada	SFLO3551	38	0.105
303	177	Bennett	BENNS290	105	0.105
304	290	Moss	MOSS6540	308	0.101
305	246	Amherst	AMHEAM610	30	0.100
306	346	Damron	DAMR5365	10	0.100
307	297	Farmers	FARM5385	243	0.099
308	316	Diekemper	DEIKDE110	64	0.094
309	198	South Georgia	SGEO5B40	1941	0.093
310	211	Springlake	SPRISO140	189	0.090
311	315	Plainview City	PLVCP630	414	0.085
312	70	Zavala	ZAVALV780	12	0.083
313	14	Hillside	HILS2B05	157	0.083
314	314	Coulter	COUL5280	851	0.081
315	282	Puckett West	PUCW5C35	2284	0.080
316	284	Littlefield West	LITWLI156	252	0.079
317	223	Plainview City	PLVCP680	38	0.079
318	321	Dalhart	DALH108	317	0.079
319	127	Doss	DOSS410	255	0.075
320	232	South Georgia	SGEO5B30	1407	0.071
321	64	Van Buren	VANB7044	837	0.068
322	183	Littlefield South	LITSLI120	211	0.066
323	115	Canadian	CANA335	309	0.065
324	302	Amherst	AMHEAM620	351	0.063
325	331	Farwell	FARWFA610	276	0.062
326	270	Riley	RILES510	82	0.061
327	271	Canyon East	CANE5185	828	0.059
328	263	Waterfield	WTRF2361	401	0.057
329	344	Adair	ADAIS790	18	0.056
330	337	Canadian	CANA350	252	0.056
331	111	Weatherly	WEAT1350	1486	0.051

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
332	158	Plainview West	PLVWP130	765	0.046
333	136	Osage	OSAG6060	133	0.045
334	295	Whitaker	WHIT5265	72	0.042
335	144	Slaton	SLATSL140	589	0.039
336	87	Dimmitt East	DIMEDI180	439	0.039
337	304	Bush	BUSH5215	1344	0.036
338	323	Levelland City	LEVCLV520	154	0.032
339	328	Estacado	ESTA5D70	727	0.032
340	252	Garza	GARZPO120	339	0.027
341	199	Spearman	SPEA301	449	0.022
342	112	Jaybee	JAYBS765	51	0.020
343	39	Plainview North	PLVNP270	148	0.014
344	120	Puckett West	PUCW5C60	121	0.008
345	126	Hillside	HILS2B10	2526	0.003
346	248	Coulter	COUL5285	247	0.000
347	214	Dalhart	DALH106	181	0.000
348	274	Dalhart	DALH114	148	0.000
349	121	Dawn	DAWN5A40	34	0.000
350	269	Plainview City	PLVCP670	38	0.000
351	351	Van Buren	VANB7190	51	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

351

Add or Delete Rows as Necessary

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
1	133	Booker	BOOK535	54	2289.63
2	321	Fain	FAIN1105	93	1824.53
3	7	Lipscomb	LPSB2580	1068	1525.96
4	21	Pringle	PRIN1E15	470	1333.40
5	162	Waterfield	WTRF2368	141	1308.93
6	193	Spearman Int	SPEX1512	970	1120.97
7	110	Lake Meredith	LAKM2B65	31	1057.10
8	52	Irick	IRICIB110	83	1055.62
9	117	Tuco	TUCON412	736	937.95
10	112	Tuco	TUCON404	777	873.68
11	9	Lehman	LEHMLV500	191	831.41
12	13	Texas Farms	TXFA1125	207	830.32
13	266	Texaco	TEXALV980	24	788.57
14	89	Wade	WADE1B025	70	749.93
15	163	Mallet	MALLLV120	13	732.06
16	63	Kingsmill	KING5105	338	698.60
17	65	Kingsmill	KING5115	839	674.81
18	208	Roxana	ROXA2076	400	666.00
19	39	Sherman County	SHER1452	39	656.41
20	2	Russell	RUSSS385	61	648.88
21	90	Wildorado	WILD2014	362	621.86
22	4	Dalhart	DALH1664	79	602.97
23	76	Flanagan	FLANS550	121	557.65
24	26	Etter Rural	ETTR5405	568	550.11
25	55	Murphy	MURP7535	1701	535.39
26	30	Lockney Rural	LOCRLA150	94	531.54
27	82	Highland Park	HIGH5325	286	525.96
28	60	Coble	COBLLV835	245	508.91
29	3	Irick	IRICIB120	56	499.55
30	222	Roberts County	ROBE7065	91	497.16
31	349	Lockney Rural	LOCR3421	22	480.82
32	228	Mulshoe West	MULWMR130	202	477.04
33	230	Riley	RILES500	60	476.40
34	48	Dumas 19th Stre	DU191470	2293	451.89
35	14	Dalhart	DALH1580	372	448.88
36	New in '17	Coburn Creek	CNCK1B30	52	448.09
37	287	Perryton	PERR1235	1622	434.37
38	239	Riverview	RIVER095	463	433.38
39	42	Allred	ALLRS140	330	433.08
40	189	Arrowhead	ARRO5D85	2112	422.38
41	283	Pacific	PACILV940	66	420.37
42	8	Channing	CHAN1564	29	392.17
43	57	Channing	CHAN1675	476	371.79

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
44	96	Hastings	HAST7086	874	365.11
45	78	Perryton	PERR1530	667	347.29
46	41	Happy	HAPP7040	369	330.17
47	236	Arrowhead	ARRO5D80	441	329.42
48	169	West Anton	WANT3502	630	328.06
49	340	Lipscomb	LPSB1E50	216	321.80
50	233	Aiken Rural	AIKRLA110	127	313.65
51	18	Wellman	WELLS755	239	310.79
52	197	Levelland City	LEVCLV180	2268	310.31
53	6	Carson County	CARS7030	147	296.45
54	107	Yellowhouse	YELLLV900	23	296.00
55	98	Carson County	CARS7034	52	295.58
56	61	Highland Park	HIGH5335	1033	281.73
57	256	Garza	GARZ6500	728	279.12
58	142	Hendrick	HEND6675	1253	274.48
59	147	Van Buren	VANB7198	1578	268.51
60	199	Perryton	PERR1230	554	266.73
61	92	Cherry	CHER5C15	1626	262.64
62	207	Lynn	LYNN6510	265	248.10
63	29	Buffalo	BUFF5165	217	244.60
64	37	McLean Rural	MCLE5300	826	243.13
65	334	Muleshoe Valley	MULVMR150	332	241.80
66	80	Kingsmill	KING5110	259	238.84
67	123	Parmer County	PARM2475	811	235.74
68	19	Tokio	TOKIS800	68	231.76
69	257	Kite	KITE5B80	1075	222.69
70	70	East Plant	EPLAA126	643	221.44
71	New in '17	Bainer	BAINBA601	12	221.00
72	278	Adobe Creek	ADOB1115	92	219.11
73	46	Curry County Int	CURX3486	355	217.04
74	114	Seminole Interch	SEM6E00	799	215.89
75	5	Dumas 19th Stre	DU191498	67	214.46
76	81	Whitaker	WHIT5260	1711	214.38
77	New in '17	Kiser	KISRP965	739	211.68
78	15	Bowers	BOWE5090	134	211.51
79	101	Springcreek	SPRI1320	85	210.86
80	288	Industrial	INDU1416	863	210.21
81	231	Southeast	SOEA5C80	320	210.10
82	179	Olton	OLTOSO170	671	208.91
83	251	Plant X	PLAXX310	609	203.63
84	259	Springcreek	SPRI1316	344	202.89
85	171	Moore Co	MOORM065	940	202.26
86	282	Levelland City	LEVCLV190	2281	201.73
87	93	Brisco	BRIS3434	484	198.34
88	50	Plainview East	PLVEP180	297	197.76
89	296	Lynn	LYNN6300	831	193.93
90	124	Whiteface	WHITLV220	293	192.34
91	62	Middleton	MIDDLV810	16	189.18

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
92	119	Kress Rural	KRERKR120	127	187.66
93	187	Lawrence Park	LAWR5315	980	186.43
94	129	Roberts County	ROBE7090	436	182.72
95	161	Dalhart	DALH1246	1735	178.70
96	196	Lake Meredith	LAKM2B55	46	177.74
97	160	Vega	VEGA5195	875	176.95
98	85	Doss	DOSS6660	711	176.75
99	22	Sherman County	SHER1456	1124	171.50
100	49	Elwood	ELWOLV140	63	170.96
101	67	South Floydada	SFLO3547	283	168.47
102	165	Dimmitt South	DIMSDI120	347	167.98
103	73	Burnett	BURN1394	52	165.27
104	45	Bowers	BOWE2057	564	164.75
105	47	Van Buren	VANB7194	95	159.71
106	330	Spearman	SPEA401	360	159.09
107	38	Kingsmill	KING5100	129	157.50
108	59	Hale Center	HACTHR145	499	156.43
109	1	Plainview North	PLVNP260	76	156.21
110	245	Kress Rural	KRERKR140	142	155.82
111	New in '17	Coburn Creek	CNCK1B25	151	154.68
112	210	Burnett	BURN1398	97	154.68
113	298	Canadian	CANA325	419	151.45
114	108	Roxana	ROXA2334	91	149.84
115	191	Lehman	LEHMLV510	66	147.14
116	209	Sunset	SUNS5D35	65	143.68
117	260	Lynn	LYNN6340	614	141.41
118	226	Kress Rural	KRERKR110	336	136.48
119	118	Boardman	BOARS560	167	135.52
120	145	East Plant	EPLAA118	2795	133.86
121	56	Riverview	RIVER090	20	132.15
122	35	Moore Co	MOORM060	187	126.86
123	43	Whiteface	WHITLV210	118	126.60
124	69	Littlefield City	LITCLI610	319	125.72
125	131	Canyon West	CANW7128	1667	123.62
126	211	Parmer County	PARM2465	42	122.57
127	104	Barwise	BARWIB140	115	120.88
128	106	Plainview West	PLWWP120	221	120.31
129	31	Vega	VEGA5170	62	118.81
130	87	Springlake	SPRISO150	289	118.29
131	322	Kite	KITE7106	629	116.67
132	180	Perryton	PERR1535	1435	115.38
133	218	Dimmitt East	DIMEDI150	890	111.92
134	71	Plainview East	PLVEP160	318	111.32
135	116	Brownfield	BROW6580	304	110.94
136	261	Dimmitt South	DIMSDI110	359	109.44
137	235	Lawrence Park	LAWR5275	1243	108.41
138	134	Exell	EXEL1242	86	106.28
139	324	Pullman	PULL2A40	199	105.14

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
140	135	Canyon West	CANW7124	2341	104.28
141	10	Dumas 19th Street	DU191371	1163	104.03
142	33	Channing	CHAN1568	57	103.86
143	350	Lipscomb	LPSB1E40	172	100.37
144	271	Denver City East	DENES110	878	99.95
145	265	34th Street	34ST5B95	1680	97.92
146	308	Morton	MORTM130	872	96.31
147	54	Bennett	BENNS365	66	96.10
148	111	Doss	DOSSS495	1041	95.59
149	217	Wildorado	WILD2018	1046	94.52
150	72	Southeast	SOEA5C85	2719	89.90
151	252	Sherman County	SHER1448	19	89.79
152	224	Hart	HARTHA120	544	89.42
153	246	Manhattan	MANH7164	1643	88.17
154	138	Canyon West	CANW5160	843	87.51
155	192	Moore Co	MOORM055	71	84.30
156	188	Hastings	HAST7078	3450	80.91
157	247	Bush	BUSH5210	1689	80.49
158	127	Farmers	FARM5395	1079	78.33
159	316	Westridge	WRIDP450	1487	76.43
160	99	Spring Draw	SPRD2C80	2100	76.29
161	94	Allmon	ALLMAT120	690	73.98
162	148	Plainview South	PLVSP230	570	73.46
163	227	Lyons	LYON5C20	1394	71.60
164	79	East Plant	EPLAA122	1230	69.89
165	122	Dalhart	DALH1298	1688	69.77
166	342	Lariat	LARIMR110	56	69.09
167	185	Canadian	CANA340	447	67.96
168	167	Slaton	SLAT6600	1129	67.76
169	190	Olton	OLTOSO180	566	67.15
170	268	Muleshoe Valley	MULVMR155	1113	66.82
171	88	Cherry	CHER5C10	1637	66.38
172	24	Van Buren	VANB7048	358	66.00
173	154	Barwise	BARWIB130	63	65.93
174	150	Dumas 19th Street	DU191175	1425	64.73
175	347	Hillside	HILS2B15	1455	63.52
176	170	Pierce	PIER5B00	992	63.30
177	17	Buffalo	BUFF2215	468	62.68
178	174	South Georgia	SGEO2346	1127	61.94
179	143	Conway	CONW5005	1563	61.30
180	241	Centre Street	CENT5305	2679	60.99
181	132	Lawrence Park	LAWR5030	1631	60.87
182	302	Hereford	HERE2D50	747	60.65
183	11	Exell	EXEL1238	259	60.22
184	44	Doss	DOSS6670	1876	58.73
185	318	Vickers	VICK6680	1662	58.64
186	115	34th Street	34ST5B85	2112	56.68
187	64	Garza	GARZ6520	395	56.51

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
188	34	Riverview	RIVER100	255	55.75
189	300	Higg East	HGEA6A05	46	55.02
190	331	Spearmen	SPEA302	592	54.98
191	84	Dawn	DAWN5A35	450	53.89
192	203	Coulter	COUL5290	2434	53.87
193	219	South Georgia	SGEO2338	3369	53.37
194	166	Manhattan	MANH7160	1231	49.07
195	343	Manhattan	MANH5135	698	48.73
196	152	Monroe	MONR6610	433	48.67
197	336	Littlefield City	LITCLI620	97	47.37
198	264	Littlefield City	LITCLI640	431	47.08
199	249	Moss	MOSS6320	1262	46.91
200	243	Soncy	SONC5130	725	46.88
201	83	Hart	HARTHA110	110	46.52
202	121	Bush	BUSH5205	1354	46.51
203	255	Van Buren	VANB7046	2752	45.91
204	New in '17	Kiser	KISRP970	2159	45.88
205	204	Hereford	HERE2D45	1616	45.81
206	254	Soncy	SONC7024	1237	45.16
207	272	McCullough	MCCU7005	1307	44.14
208	105	Lockney Rural	LOCRLA140	74	44.04
209	109	Weatherly	WEAT1354	873	43.58
210	314	Centre Street	CENT5310	1545	41.65
211	176	Conway	CONW5010	1445	41.34
212	95	East Plant	EPLAA110	929	41.31
213	339	Sunset	SUNS1A035	60	40.98
214	91	Doss	DOSSS400	1093	40.87
215	276	Lawrence Park	LAWR5020	1535	40.82
216	113	Howard	HOWA2480	638	39.82
217	212	Tenneco	TENNS440	143	39.08
218	102	Palo Duro	PALO1C35	706	37.71
219	215	Bennett	BENNS345	1016	37.40
220	40	Herring	HERR1438	94	37.36
221	313	Muleshoe West	MULWMR140	665	37.26
222	250	34th Street	34ST5B90	966	36.62
223	312	Southland	SOUTSO110	99	36.58
224	25	Slaton	SLATSL150	459	36.51
225	345	Brisco	BRIS3457	14	36.43
226	28	Pierce	PIER5B10	900	36.13
227	186	Sudan Rural	SUDRSR110	25	36.12
228	126	Whitaker	WHIT5270	2739	35.70
229	100	Lawrence Park	LAWR5050	1197	35.59
230	66	Middleton	MIDDLV820	46	35.26
231	244	Osage	OSAG6065	1814	34.69
232	58	Lockney Rural	LOCR3417	932	34.30
233	263	Lyons	LYON5C25	1860	34.01
234	149	South Georgia	SGEO2342	1135	33.77
235	216	County Line	COLICL110	15	33.60

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
236	182	Estacado	ESTA5D60	2292	33.48
237	258	West Borger	WBOR1A10	1227	33.04
238	New in '17	Sunset	SUNS1A030	508	31.60
239	284	Amherst	AMHEAM610	30	31.07
240	146	Hastings	HAST7074	1454	31.06
241	234	Estacado	ESTA5D10	2408	30.58
242	53	Fritch	FRIT1360	898	29.98
243	315	Plainview South	PLVSP220	944	29.59
244	270	Soncy	SONC7116	61	29.05
245	137	Carlisle	CARL6650	925	28.52
246	290	Sunset	SUNS5D40	1468	28.01
247	75	Plainview South	PLVSP210	143	27.17
248	286	Soncy	SONC7020	415	27.13
249	201	Howard	HOWA2485	421	26.56
250	195	Pierce	PIER5B05	955	25.96
251	153	Etter Rural	ETTR5410	753	25.96
252	151	Spring Draw	SPRD2C75	955	25.45
253	184	McCullough	MCCU5085	1242	23.61
254	348	Kingsmill	KING5095	52	23.37
255	311	Plainview City	PLVCP620	228	22.91
256	213	Dalhart	DALH116	266	22.68
257	337	Whitharral	WHITLV710	88	22.65
258	205	South Georgia	SCEO5B35	1680	22.58
259	51	Estacado	ESTA5D15	683	22.10
260	220	Farmers	FARM5390	1588	21.95
261	157	34th Street	34ST2B45	2054	21.82
262	172	Boardman	BOARS430	22	21.77
263	97	Hale Center	HACTHR110	634	21.63
264	200	Sudan Rural	SUDRSR120	477	21.61
265	237	Dumas 19th Street	DU191367	1696	21.34
266	221	Denver City East	DENES100	1022	21.02
267	297	Coulter	COUL5280	851	20.09
268	158	Waterfield	WTRF2364	125	19.98
269	328	Farwell	FARWFA620	66	19.97
270	206	Spring Draw	SPRD2C70	1182	19.50
271	103	Prentice	PRENS875	20	19.31
272	225	Lawrence Park	LAWR5025	1795	19.13
273	20	Herring	HERR1434	1182	19.03
274	140	Pacific	PACILV930	14	18.57
275	238	Puckett West	PUCW5C35	2284	18.55
276	309	Levelland East	LEVELV950	508	18.48
277	248	Cedar Lake East	CEDES910	26	18.38
278	198	Littlefield South	LITSLI110	1572	18.36
279	175	Plainview City	PLVCP690	44	18.25
280	164	Estacado	ESTA5D65	2186	17.40
281	303	Garza	GARZPO110	510	17.23
282	307	Morton	MORTM120	155	16.58
283	16	Bowers	BOWE2053	48	16.48

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
284	281	Plainview West	PLVWP110	1442	16.27
285	341	Spearman	SPEA402	367	15.52
286	274	Kite	KITE5075	1259	15.44
287	310	Diekemper	DEIKDE110	64	15.38
288	280	Puckett West	PUCW5C30	746	15.36
289	68	Estacado	ESTA5D20	1887	15.21
290	333	Canadian	CANA350	252	15.10
291	295	Industrial	INDU1412	1046	14.98
292	173	Happy	HAPP2326	281	14.51
293	326	Canyon East	CANE5190	2065	14.47
294	155	Westridge	WRIDP460	605	14.31
295	291	Hastings	HAST7082	1761	14.27
296	240	Bennett	BENNS290	105	13.90
297	317	Dalhart	DALH108	317	13.79
298	325	McCullough	MCCU7002	1260	13.46
299	279	Slaton	SLAT6690	854	13.05
300	292	Hendrick	HEND6685	1102	12.88
301	27	Seminole Interch	SEMX6E10	333	12.85
302	159	Fritch	FRIT1364	1820	12.57
303	323	Kingsmill	KING1B80	23	12.57
304	177	Friona Rural	FRIO2436	1685	12.29
305	329	Farwell	FARWFA610	276	12.07
306	277	Levelland East	LEVELV960	1073	10.95
307	12	South Floydada	SFLO3551	38	10.84
308	293	Amherst	AMHEAM620	351	10.83
309	181	South Georgia	SGEO5B40	1941	10.78
310	304	West Borger	WBOR1A20	1293	9.59
311	289	Moss	MOSS6540	308	9.43
312	267	Osage	OSAG6040	1927	9.41
313	346	Damron	DAMR5365	10	9.40
314	202	Springlake	SPRISO140	189	8.71
315	74	Van Buren	VANB7044	837	8.44
316	214	South Georgia	SGEO5B30	1407	8.35
317	242	Waterfield	WTRF2361	401	7.51
318	305	Whitaker	WHIT5265	72	7.47
319	285	Littlefield West	LITWLI156	252	6.71
320	294	Littlefield City	LITCLI630	103	6.13
321	273	Plainview City	PLVCP680	38	6.00
322	327	Bush	BUSH5215	1344	5.80
323	36	Hillside	HILS2B05	157	5.73
324	23	Zavala	ZAVALV780	12	5.58
325	77	Doss	DOSSS410	255	5.49
326	262	Canyon East	CANE5185	828	5.17
327	320	Plainview City	PLVCP630	414	5.12
328	178	Littlefield South	LITSLI120	211	4.92
329	306	Farmers	FARM5385	243	4.84
330	130	Weatherly	WEAT1350	1486	4.70
331	229	Riley	RILES510	82	4.70

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
332	168	Osage	OSAG6060	133	4.35
333	128	Canadian	CANA335	309	4.07
334	120	Dimmitt East	DIMEDI180	439	3.87
335	332	Estacado	ESTA5D70	727	3.73
336	301	Levelland City	LEVCLV520	154	3.05
337	141	Plainview West	PLVWP130	765	2.79
338	344	Adair	ADAIS790	18	2.50
339	125	Slaton	SLATSL140	589	2.28
340	275	Garza	GARZPO120	339	2.26
341	253	Spearman	SPEA301	449	1.67
342	32	Jaybee	JAYBS765	51	1.06
343	139	Puckett West	PUCW5C60	121	0.84
344	144	Plainview North	PLVNP270	148	0.40
345	136	Hillside	HILS2B10	2526	0.09
346	232	Coulter	COUL5285	247	0.00
347	223	Dalhart	DALH106	181	0.00
348	269	Dalhart	DALH114	148	0.00
349	156	Dawn	DAWN5A40	34	0.00
350	299	Plainview City	PLVCP670	38	0.00
351	351	Van Buren	VANB7190	51	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.

2017 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	18.01%
Vegetation	1.93%
Animals and Birds	6.71%
People (Including cars and farm equip)	8.69%
Utility-owned Equipment	49.14%
Other	2.55%
Unknown	12.97%