



Control Number: 46717



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**PUBLIC UTILITY COMMISSION
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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2016 Reporting Year

Xcel Energy

Project 46717

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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	0.77	0.02	0.05	0.04	0.08	0.07	0.10	0.14	0.10	0.04	0.03	0.05	0.06
Scheduled	0.04	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Outside Causes	0.26	0.00	0.00	0.03	0.04	0.02	0.04	0.05	0.03	0.03	0.02	0.00	0.02
Major Events	0.00	0.00	0.00	0.00	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	76.81	2.14	5.07	3.46	6.81	6.22	8.78	14.52	9.36	5.33	2.67	4.39	8.05
2016													
Scheduled	1.92	0.25	0.06	0.33	0.25	0.06	0.11	0.10	0.05	0.11	0.29	0.20	0.11
2016													
Outside Causes	15.99	0.00	0.00	2.44	1.57	0.65	1.36	3.16	1.43	4.13	0.52	0.00	0.73
2016													
Major Events	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016													

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

2016 SAIFI Ranking	2015 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIFI Value
1	177	Plainview North	PLVNP260	77	16.06
2	85	Russell	RUSSS385	64	6.59
3	106	Bowers	BOWE5090	139	5.35
4	59	Dumas 19th Street	DU191371	1163	4.97
5	14	Channing	CHAN1564	30	4.83
6	184	Irick	IRICIB120	55	4.71
7	98	Bowers	BOWE2053	44	4.59
8	156	Dumas 19th Street	DU191498	66	4.56
9	31	Kingsmill	KING5100	125	4.54
10	93	Texas Farms	TXFA1125	208	4.08
11	22	Dalhart	DALH1664	79	4.00
12	48	Dalhart	DALH1580	372	3.48
13	47	Sherman County	SHER1456	1124	3.39
14	148	Hillside	HILS2B05	144	3.36
15	24	Herring	HERR1434	1196	3.31
16	159	Murphy	MURP7535	1710	3.24
17	222	Bowers	BOWE2057	571	2.88
18	26	Lipscomb	LPSB2580 ¹	1088	2.85
19	151	Pierce	PIER5B10	871	2.82
20	32	Lehman	LEHMLV500	197	2.79
21	256	Curry County Inter	CURX3486	349	2.70
22	70	Lockney Rural	LOCRLA150	90	2.69
23	44	Carson County	CARS7030	149	2.67
24	293	Van Buren	VANB7194	166	2.64
25	6	Herring	HERR1438	96	2.45
26	246	Wellman	WELLS755	239	2.38
27	208	Lawrence Park	LAWR5050	1205	2.29
28	200	East Plant	EPLAA122	1227	2.26
29	173	Highland Park	HIGH5335	1033	2.21
30	84	Estacado	ESTA5D15	678	2.20
31	332	South Floydada	SFLO3551	40	2.20
32	167	Seminole Interch	SEMX6E00	809	2.15
33	341	Middleton	MIDDLV810	16	2.13
34	121	Estacado	ESTA5D20	1882	2.11
35	239	Plainview City	PLVCP690	101	2.10
36	78	Monroe	MONR6610	421	2.05
37	11	Etter Rural	ETTR5405	575	2.03
38	13	Buffalo	BUFF2215	467	2.03
39	133	Plainview North	PLVNP270	149	1.99
40	131	Lockney Rural	LOCR3417	951	1.96
41	171	Doss	DOSS6670	1865	1.95
42	20	Coble	COBLLV835	246	1.94
43	25	Plainview South	PLVSP210	150	1.93

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2016 SAIFI Ranking	2015 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIFI Value
44	4	Flanagan	FLANS550	124	1.92
45	45	Kress Rural	KRERKR120	130	1.88
46	236	Elwood	ELWOLV140	61	1.87
47	37	Plainview East	PLVEP180	307	1.85
48	8	Buffalo	BUFF5165	216	1.84
49	193	Fritch	FRIT1360	903	1.79
50	217	Dumas 19th Street	DU191470	2314	1.79
51	9	Allred	ALLRS140	336	1.78
52	174	Seminole Interch	SEMX6E10	307	1.77
53	5	Pringle	PRIN1E15	483	1.75
54	74	Doss	DOSSS400	1101	1.71
55	108	Happy	HAPP7040	368	1.66
56	179	Riverview	RIVER090	20	1.65
57	107	Whiteface	WHITLV210	118	1.58
58	276	34th Street	34ST5B85	2115	1.58
59	110	Tokio	TOKIS800	67	1.54
60	105	Kingsmill	KING5115	799	1.53
61	144	South Floydada	SFLO3547	290	1.51
62	162	Roberts County	ROBE7090	444	1.49
63	40	Palo Duro	PALO1C35	656	1.49
64	285	Van Buren	VANB7044	884	1.48
65	282	Booker	BOOK422	261	1.46
66	69	Bennett	BENNS365	67	1.45
67	23	Middleton	MIDDLV820	47	1.45
68	223	Canyon West	CANW7128	1654	1.44
69	28	Irick	IRICIB110	85	1.44
70	348	Zavala	ZAVALV780	12	1.42
71	76	Vega	VEGA5170	59	1.41
72	39	Hastings	HAST7086	864	1.38
73	187	Dawn	DAWN5A35	449	1.38
74	170	Spring Draw	SPRD2C80	2087	1.37
75	35	McLean Rural	MCLE5300	827	1.37
76	183	Tuco	TUCON404	770	1.37
77	141	Perryton	PERR1530	665	1.35
78	152	Plainview East	PLVEP160	333	1.34
79	41	Hale Center	HACTHR145	502	1.33
80	73	Kingsmill	KING5105	291	1.33
81	61	Wade	WADE1B025 ^b	74	1.32
82	1	Cherry	CHER5C10	1626	1.30
83	143	Moore Co	MOORM060	182	1.27
84	211	Canyon West	CANW5160	843	1.25
85	38	East Plant	EPLAA110	965	1.25
86	16	Weatherly	WEAT1354	883	1.24
87	261	Dimmitt East	DIMEDI180	443	1.24
88	55	Hale Center	HACTHR110	637	1.23
89	238	Allmon	ALLMAT120	694	1.21
90	49	Sherman County	SHER1452	39	1.21
91	178	Canyon West	CANW7124	2318	1.19

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2016 SAIFI Ranking	2015 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIFI Value
92	235	Lawrence Park	LAWR5030	1592	1.18
93	226	Southeast	SOEA5C85	2714	1.18
94	202	Bush	BUSH5205	1712	1.18
95	225	Lake Meredith	LAKM2B65	29	1.17
96	233	Whitaker	WHIT5260	1726	1.17
97	258	Tuco	TUCON412	743	1.16
98	232	Estacado	ESTA5D65	2179	1.16
99	79	Parmer County	PARM2475	823	1.15
100	221	South Georgia	SGEO5B35	1695	1.15
101	181	Cherry	CHER5C15	1617	1.15
102	209	Farmers	FARM5390	1557	1.14
103	321	Littlefield City	LITCLI610	319	1.13
104	215	Plainview West	PLVWP120	221	1.13
105	109	Brownfield	BROW6580	305	1.13
106	278	Estacado	ESTA5D60	2287	1.10
107	112	Van Buren	VANB7048	357	1.10
108	21	Moore Co	MOORM065	952	1.09
109	219	Carlisle	CARL6650	931	1.09
110	2	Channing	CHAN1568	57	1.09
111	19	Weatherly	WEAT1350	1517	1.08
112	34	Jaybee	JAYBS765	50	1.08
113	138	Doss	DOSS6660	695	1.08
114	331	Slaton	SLATSL150	448	1.08
115	186	Canadian	CANA335	322	1.07
116	274	Dimmitt South	DIMSDI120	351	1.07
117	100	Lawrence Park	LAWR5315	954	1.07
118	270	Sudan Rural	SUDRSR120	477	1.07
119	176	Exell	EXEL1238	253	1.06
120	319	Puckett West	PUCW5C60	121	1.03
121	72	Dawn	DAWN5A40	34	1.03
122	180	Friona Rural	FRIO2436	1691	1.01
123	191	East Plant	EPLAA118	2780	1.00
124	168	Boardman	BOARS560	167	0.99
125	81	Hart	HARTHA110	107	0.99
126	305	Hillside	HILS2B10	2304	0.99
127	279	Doss	DOSSS410	248	0.96
128	51	Garza	GARZ6520	398	0.95
129	71	Springlake	SPRISO150	294	0.91
130	114	Lockney Rural	LOCRLA140	73	0.89
131	147	Howard	HOWA2480	639	0.89
132	102	Fritch	FRIT1364	1830	0.88
133	87	Doss	DOSSS495	1022	0.86
134	247	34th Street	34ST2B45	2057	0.86
135	335	Booker	BOOK535	271	0.83
136	127	Osage	OSAG6060	133	0.79
137	212	Highland Park	HIGH5325	281	0.78
138	56	Riverview	RIVER100	266	0.78
139	27	Channing	CHAN1675	467	0.78

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140	66	McCullough	MCCU5085	1244	0.73
141	42	Kingsmill	KING5110	257	0.72
142	140	West Anton	WANT3502	632	0.72
143	213	Burnett	BURN1394	54	0.70
144	199	Slaton	SLATSL140	590	0.69
145	126	Wildorado	WILD2014	360	0.67
146	216	East Plant	EPLAA126	637	0.65
147	313	Yellowhouse	YELLLV900	22	0.64
148	311	Hendrick	HEND6675	1260	0.63
149	75	Carson County	CARS7034	53	0.62
150	135	Pacific	PACILV930	15	0.60
151	94	Farmers	FARM5395	1008	0.59
152	310	Dumas 19th Street	DU191175	1431	0.58
153	230	Pierce	PIER5B00	999	0.57
154	29	Barwise	BARWIB130	63	0.57
155	NA	Kiser	P965	762	0.56
156	229	Barwise	BARWIB140	114	0.56
157	130	Lake Meredith	LAKM2B55	45	0.56
158	257	Plainview West	PLVWP130	763	0.55
159	197	Dalhart	DALH1298	1705	0.54
160	122	Brisco	BRIS3434	497	0.54
161	312	Westridge	WRIDP460	608	0.53
162	68	Conway	CONW5010	1437	0.49
163	190	South Georgia	SGEO2342	1129	0.49
164	77	Muleshoe West	MULWMR130	204	0.49
165	96	Springcreek	SPRI1320	95	0.48
166	115	Tenneco	TENNS440	141	0.48
167	134	Levelland City	LEVCLV180	2276	0.47
168	166	County Line	COLICL110	15	0.47
169	17	Perryton	PERR1535	1451	0.46
170	189	Olton	OLTOSO180	572	0.46
171	158	Boardman	BOARS430	22	0.45
172	155	Canadian	CANA340	449	0.45
173	129	Spring Draw	SPRD2C75	908	0.45
174	58	Vega	VEGA5195	872	0.44
175	218	Littlefield South	LITSLI110	1567	0.44
176	250	Lyons	LYON5C20	1395	0.44
177	63	Bennett	BENNS290	101	0.44
178	104	Conway	CONW5005	1556	0.43
179	136	Kite	KITE5B80	1071	0.43
180	267	Sunset	SUNS5D35	557	0.42
181	196	Whitaker	WHIT5270	2740	0.41
182	57	Perryton	PERR1230	582	0.41
183	326	Littlefield South	LITSLI120	213	0.41
184	251	Hastings	HAST7078	3456	0.41
185	10	Kress Rural	KRERKR110	343	0.40
186	210	Olton	OLTOSO170	669	0.40
187	224	South Georgia	SGEO2338	3371	0.40

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188	118	Arrowhead	ARRO5D85	2079	0.40
189	103	Moore Co	MOORM055	71	0.39
190	263	Van Buren	VANB7198	1672	0.39
191	97	Hastings	HAST7074	1462	0.39
192	245	Mallet	MALLLV120	13	0.38
193	123	Roxana	ROXA2334	89	0.38
194	116	Southeast	SOEA5C80	320	0.38
195	113	Dalhart	DALH1246	1748	0.37
196	242	Lyons	LYON5C25	1883	0.37
197	91	Denver City East	DENES100	1040	0.37
198	272	South Georgia	SGEO5B40	1703	0.36
199	169	Spearman	SPEA301	453	0.36
200	18	Waterfield	WTRF2368	142	0.36
201	309	34th Street	34ST5B90	943	0.35
202	88	Spring Draw	SPRD2C70	1123	0.35
203	286	Plainview South	PLVSP230	569	0.34
204	253	West Borger	WBOR1A10	1244	0.33
205	195	Riley	RILES500	60	0.33
206	163	Osage	OSAG6065	1808	0.33
207	205	Whiteface	WHITLV220	294	0.33
208	182	South Georgia	SGEO2346	1120	0.33
209	315	Soncy	SONC5130	725	0.33
210	201	Levelland East	LEVELV960	1072	0.32
211	43	Springlake	SPRISO140	195	0.32
212	252	Pierce	PIER5B05	963	0.32
213	65	Parmer County	PARM2465	41	0.32
214	323	Dalhart	DALH106	183	0.32
215	111	Slaton	SLAT6600	1144	0.31
216	283	Centre Street	CENT5305	2684	0.31
217	322	Soncy	SONC7024	1240	0.31
218	244	Etter Rural	ETTR5410	747	0.31
219	50	Roxana	ROXA2076	393	0.31
220	128	Hart	HARTHA120	548	0.30
221	149	Moss	MOSS6320	1266	0.30
222	204	Kite	KITE5075	1246	0.30
223	62	Plainview City	PLVCP680	78	0.28
224	346	Sudan Rural	SUDRSR110	25	0.28
225	240	Happy	HAPP2326	279	0.28
226	280	McCullough	MCCU7005	1320	0.28
227	175	Roberts County	ROBE7065	94	0.28
228	NA	Muleshoe Valley	MULVMR155	942	0.27
229	30	Spearman Int	SPEX1512	971	0.27
230	3	Aiken Rural	AIKRLA110	126	0.27
231	117	Bush	BUSH5210	1696	0.27
232	284	South Georgia	SGEO5B30	1428	0.26
233	334	Dimmitt East	DIMEDI150	880	0.26
234	119	Wildorado	WILD2018	1009	0.26
235	220	Levelland City	LEVCLV190	2284	0.26

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236	12	Plant X	PLAXX310	607	0.26
237	198	Prentice	PRENS875	16	0.25
238	255	Lawrence Park	LAWR5025	1800	0.25
239	254	Dumas 19th Street	DU191367	1707	0.25
240	330	Booker	BOOK421	94	0.24
241	271	Manhattan	MANH7164	1635	0.24
242	142	Arrowhead	ARRO5D80	431	0.24
243	125	Coulter	COUL5290	2772	0.24
244	227	Manhattan	MANH7160	1227	0.24
245	344	Soncy	SONC7116	64	0.23
246	153	Amherst	AMHEAM610	30	0.23
247	46	Waterfield	WTRF2364	116	0.23
248	154	Coulter	COUL5285	251	0.23
249	192	Lawrence Park	LAWR5275	1251	0.23
250	90	Riverview	RIVER095	476	0.23
251	172	Burnett	BURN1398	101	0.23
252	288	Garza	GARZPO120	344	0.22
253	259	Cedar Lake East	CEDES910	27	0.22
254	83	Garza	GARZ6500	737	0.22
255	52	Denver City East	DENES110	868	0.21
256	194	Howard	HOWA2485	606	0.21
257	316	Puckett West	PUCW5C30	745	0.21
258	296	Dalhart	DALH116	263	0.21
259	264	Exell	EXEL1242	88	0.20
260	304	Van Buren	VANB7046	2713	0.20
261	243	Hereford	HERE2D452	1633	0.20
262	320	Dimmitt South	DIMSDI110	359	0.20
263	146	Waterfield	WTRF2361	393	0.20
264	203	Bennett	BENNS345	1019	0.20
265	228	Littlefield City	LITCLI640	437	0.19
266	231	Lynn	LYNN6340	633	0.19
267	303	Lynn	LYNN6510	267	0.19
268	314	Estacado	ESTA5D10	2384	0.19
269	60	Plainview City	PLVCP670	59	0.19
270	54	Riley	RILES510	76	0.18
271	241	Canyon East	CANE5185	828	0.18
272	275	Plainview West	PLVWP110	1445	0.18
273	289	Texaco	TEXALV980	23	0.17
274	327	Dalhart	DALH114	150	0.17
275	338	Soncy	SONC7020	417	0.17
276	318	Slaton	SLAT6690	869	0.17
277	268	Osage	OSAG6040	1860	0.16
278	95	Industrial	INDU1412	1102	0.16
279	292	Sherman County	SHER1448	19	0.16
280	64	34th Street	34ST5B95	1682	0.16
281	260	Centre Street	CENT5310	1542	0.15
282	308	Puckett West	PUCW5C35	1934	0.14
283	36	Lehman	LEHMLV510	66	0.14

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284	82	Littlefield West	LITWLI156	244	0.14
285	277	Lawrence Park	LAWR5020	1536	0.13
286	80	Kress Rural	KRERKR140	143	0.13
287	265	Springcreek	SPRI1316	357	0.13
288	101	Industrial	INDU1416	885	0.12
289	249	Levelland East	LEVELV950	509	0.12
290	137	Moss	MOSS6540	308	0.12
291	281	Southland	SOUTSO110	100	0.12
292	207	Adobe Creek	ADOB1115	93	0.12
293	89	Hendrick	HEND6685	1110	0.12
294	262	Lynn	LYNN6300	828	0.11
295	150	Whitaker	WHIT5265	71	0.11
296	86	Hastings	HAST7082	1461	0.11
297	269	Farmers	FARM5385	229	0.11
298	299	Higg East	HGEA6A05	46	0.11
299	120	Westridge	WRIDP450	1490	0.11
300	53	Pacific	PACILV940	66	0.11
301	7	Perryton	PERR1235	1637	0.11
302	307	Amherst	AMHEAM620	350	0.10
303	92	Plainview City	PLVCP620	245	0.10
304	337	Bush	BUSH5215	1336	0.10
305	297	Canadian	CANA325	423	0.10
306	234	Farwell	FARWFA620	67	0.09
307	139	Vickers	VICK6680	1659	0.09
308	15	Hereford	HERE2D50 ³	758	0.09
309	NA	Kiser	P970	2033	0.09
310	160	West Borger	WBOR1A20	1318	0.08
311	340	Kingsmill	KING1B80	24	0.08
312	328	Muleshoe City	MULCMU620	399	0.08
313	237	Plainview South	PLVSP220	1114	0.08
314	145	Coulter	COUL5280	853	0.08
315	294	Plainview City	PLVCP630	498	0.08
316	67	Diekemper	DEIKDE110	65	0.08
317	298	Morton	MORTM120	160	0.08
318	165	Muleshoe West	MULWMR140	666	0.07
319	291	McCullough	MCCU7002	1284	0.07
320	188	Garza	GARZPO110	513	0.07
321	324	Dalhart	DALH108	309	0.07
322	266	Sunset	SUNS5D40	1454	0.07
323	273	Levelland City	LEVCLV520	151	0.07
324	157	Morton	MORTM130	873	0.06
325	300	Littlefield City	LITCLI630	106	0.06
326	185	Canyon East	CANE5190	2089	0.05
327	329	Sunset	SUNS1A035 ⁴	61	0.05
328	287	Estacado	ESTA5D70	728	0.05
329	161	Kite	KITE7106	634	0.05
330	295	Fain	FAIN1105	88	0.05
331	306	Farwell	FARWFA610	276	0.04

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332	290	Muleshoe Valley	MULVMR150	184	0.04
333	132	Spearman	SPEA302	590	0.04
334	214	Pullman	PULL2A40	199	0.04
335	302	Spearman	SPEA401	363	0.03
336	342	Muleshoe City	MULCMU610	37	0.03
337	317	Canadian	CANA350	251	0.02
338	NA	Lipscomb	LPSB1E50	42	0.02
339	336	Whitharral	WHITLV710	92	0.02
340	124	Lariat	LARIMR110	56	0.02
341	206	Littlefield City	LITCLI620	100	0.01
342	345	Spearman	SPEA402	370	0.01
343	164	Manhattan	MANH5135	692	0.00
344	248	Adair	ADAIS790	18	0.00
345	99	Brisco	BRIS3457	14	0.00
346	339	Damron	DAMR5365	10	0.00
347	333	Hillside	HILS2B15	1324	0.00
348	301	Kingsmill	KING5095	52	0.00
349	33	Lockney Rural	LOCR3421	21	0.00
350	NA	Lipscomb	LPSB1E40	53	0.00
351	347	Van Buren	VANB7190	52	0.00

¹ - LPSB2580 replaces BOOK33-08

² - HERE2D45 replaces HERE2627

³ - HERE2D50 replaces HERE2630

⁴ - SUNS1A035 replaces SUNS5D30

⁵ - WADE1B025 replaces WADE1420

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

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
1	195	Plainview North	PLVNP260	77	1202.87
2	144	Russell	RUSSS385	64	1024.34
3	145	Irick	IRICIB120	55	910.32
4	29	Dalhart	DALH1664	79	843.90
5	140	Dumas 19th Stre	DU191498	66	827.02
6	56	Carson County	CARS7030	149	701.23
7	28	Lipscomb	LPSB2580	1088	693.55
8	15	Channing	CHAN1564	30	679.30
9	4	Lehman	LEHMLV500	197	526.92
10	101	Dumas 19th Stre	DU191371	1163	507.11
11	158	Exell	EXEL1238	253	451.90
12	325	South Floydada	SFLO3551	40	449.28
13	39	Texas Farms	TXFA1125	208	441.47
14	16	Dalhart	DALH1580	372	439.13
15	40	Bowers	BOWE5090	139	409.89
16	49	Bowers	BOWE2053	44	385.84
17	3	Buffalo	BUFF2215	467	368.76
18	254	Wellman	WELLS755	239	367.55
19	126	Tokio	TOKIS800	67	364.88
20	35	Herring	HERR1434	1196	360.48
21	24	Pringle	PRIN1E15	483	354.41
22	63	Sherman County	SHER1456	1124	351.51
23	348	Zavala	ZAVALV780	12	339.25
24	75	Van Buren	VANB7048	357	337.82
25	333	Slaton	SLATSL150	448	331.18
26	17	Etter Rural	ETTR5405	575	327.46
27	67	Seminole Interch	SEMX6E10	307	312.47
28	132	Pierce	PIER5B10	871	310.31
29	2	Buffalo	BUFF5165	216	309.56
30	103	Lockney Rural	LOCRLA150	90	304.01
31	115	Vega	VEGA5170	59	301.17
32	33	Jaybee	JAYBS765	50	299.39
33	6	Channing	CHAN1568	57	294.55
34	59	Riverview	RIVER100	266	292.50
35	89	Moore Co	MOORM060	182	281.75
36	80	Hillside	HILS2B05	144	269.20
37	23	McLean Rural	MCLE5300	827	264.73
38	8	Kingsmill	KING5100	125	260.40
39	45	Sherman County	SHER1452	39	256.34
40	7	Herring	HERR1438	96	255.65
41	86	Happy	HAPP7040	368	247.36
42	11	Allred	ALLRS140	336	237.16
43	180	Whiteface	WHITLV210	118	232.45

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
44	81	Doss	DOSS6670	1865	226.11
45	193	Bowers	BOWE2057	571	223.77
46	223	Curry County Int	CURX3486	349	215.39
47	276	Van Buren	VANB7194	166	210.54
48	209	Dumas 19th Stre	DU191470	2314	209.74
49	246	Elwood	ELWOLV140	61	209.56
50	53	Plainview East	PLVEP180	307	205.31
51	66	Estacado	ESTA5D15	678	200.85
52	12	Irick	IRICIB110	85	200.81
53	146	Fritch	FRIT1360	903	196.36
54	5	Bennett	BENNS365	67	194.85
55	197	Murphy	MURP7535	1710	188.51
56	128	Riverview	RIVER090	20	188.06
57	36	Channing	CHAN1675	467	184.38
58	91	Lockney Rural	LOCR3417	951	184.38
59	1	Hale Center	HACTHR145	502	184.19
60	13	Coble	COBLLV835	246	178.37
61	127	Highland Park	HIGH5335	1033	178.25
62	341	Middleton	MIDDLV810	16	177.28
63	20	Kingsmill	KING5105	291	172.62
64	25	Garza	GARZ6520	398	171.39
65	190	Kingsmill	KING5115	799	163.36
66	55	Middleton	MIDDLV820	47	156.91
67	87	South Floydada	SFLO3547	290	156.50
68	122	Estacado	ESTA5D20	1882	154.73
69	318	Littlefield City	LITCLI610	319	152.63
70	217	East Plant	EPLAA126	637	151.75
71	139	Plainview East	PLVEP160	333	151.28
72	212	Southeast	SOEA5C85	2714	148.49
73	168	Burnett	BURN1394	54	147.43
74	257	Van Buren	VANB7044	884	146.96
75	77	Plainview South	PLVSP210	150	146.94
76	52	Flanagan	FLANS550	124	145.44
77	235	Doss	DOSS410	248	143.31
78	114	Perryton	PERR1530	665	142.46
79	230	East Plant	EPLAA122	1227	141.10
80	76	Kingsmill	KING5110	257	135.69
81	214	Whitaker	WHIT5260	1726	134.47
82	167	Highland Park	HIGH5325	281	131.92
83	111	Hart	HARTHA110	107	130.08
84	196	Dawn	DAWN5A35	449	128.33
85	162	Doss	DOSS6660	695	127.38
86	304	Booker	BOOK422	261	127.16
87	42	Springlake	SPRISO150	294	126.97
88	62	Cherry	CHER5C10	1626	126.15
89	19	Wade	WADE1B025	74	125.77
90	109	Wildorado	WILD2014	360	120.28
91	129	Doss	DOSS400	1101	119.47

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
92	161	Cherry	CHER5C15	1617	118.62
93	100	Brisco	BRIS3434	497	118.23
94	220	Allmon	ALLMAT120	694	117.76
95	116	East Plant	EPLAA110	965	114.61
96	50	Hastings	HAST7086	864	112.33
97	120	Hale Center	HACTHR110	637	112.24
98	72	Carson County	CARS7034	53	110.96
99	112	Spring Draw	SPRD2C80	2087	110.17
100	224	Lawrence Park	LAWR5050	1205	109.73
101	46	Springcreek	SPRI1320	95	109.22
102	48	Palo Duro	PALO1C35	656	106.85
103	184	Prentice	PRENS875	16	103.31
104	268	Barwise	BARWIB140	114	102.77
105	134	Lockney Rural	LOCRLA140	73	102.51
106	203	Plainview West	PLVWP120	221	101.76
107	169	Yellowhouse	YELLLV900	22	100.91
108	68	Roxana	ROXA2334	89	100.63
109	64	Weatherly	WEAT1354	883	100.53
110	199	Lake Meredith	LAKM2B65	29	100.52
111	124	Doss	DOSSS495	1022	100.31
112	183	Tuco	TUCON404	770	98.94
113	74	Howard	HOWA2480	639	98.71
114	131	Seminole Interch	SEMX6E00	809	98.20
115	272	34th Street	34ST5B85	2115	97.28
116	251	Brownfield	BROW6580	305	95.63
117	234	Tuco	TUCON412	743	95.19
118	151	Boardman	BOARS560	167	94.40
119	88	Kress Rural	KRERKR120	130	93.76
120	210	Dimmitt East	DIMEDI180	443	91.44
121	238	Bush	BUSH5205	1712	89.79
122	176	Dalhart	DALH1298	1705	86.54
123	105	Parmer County	PARM2475	823	85.99
124	245	Whiteface	WHITLV220	294	85.27
125	241	Slaton	SLATSL140	590	85.18
126	211	Whitaker	WHIT5270	2740	84.87
127	60	Farmers	FARM5395	1008	84.10
128	233	Canadian	CANA335	322	81.72
129	84	Roberts County	ROBE7090	444	81.43
130	157	Weatherly	WEAT1350	1517	81.05
131	153	Canyon West	CANW7128	1654	79.32
132	226	Lawrence Park	LAWR5030	1592	78.85
133	335	Booker	BOOK535	271	78.51
134	259	Exell	EXEL1242	88	77.91
135	174	Canyon West	CANW7124	2318	76.66
136	311	Hillside	HILS2B10	2304	76.00
137	227	Carlisle	CARL6650	931	75.64
138	201	Canyon West	CANW5160	843	73.73
139	331	Puckett West	PUCW5C60	121	73.18

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
140	181	Pacific	PACILV930	15	73.07
141	249	Plainview West	PLVWP130	763	73.00
142	307	Hendrick	HEND6675	1260	72.55
143	137	Conway	CONW5005	1556	72.21
144	150	Plainview North	PLVNP270	149	71.16
145	242	East Plant	EPLAA118	2780	71.03
146	160	Hastings	HAST7074	1462	70.19
147	265	Van Buren	VANB7198	1672	67.47
148	281	Plainview South	PLVSP230	569	66.98
149	173	South Georgia	SGEO2342	1129	66.83
150	312	Dumas 19th Street	DU191175	1431	64.97
151	85	Spring Draw	SPRD2C75	908	64.37
152	93	Monroe	MONR6610	421	64.29
153	248	Etter Rural	ETTR5410	747	63.92
154	14	Barwise	BARWIB130	63	63.81
155	317	Westridge	WRIDP460	608	63.67
156	130	Dawn	DAWN5A40	34	63.12
157	218	34th Street	34ST2B45	2057	63.09
158	96	Waterfield	WTRF2364	116	61.28
159	175	Fritch	FRIT1364	1830	59.01
160	95	Vega	VEGA5195	872	58.95
161	143	Dalhart	DALH1246	1748	58.24
162	26	Waterfield	WTRF2368	142	57.16
163	133	Mallet	MALLLV120	13	57.00
164	215	Estacado	ESTA5D65	2179	56.93
165	297	Dimmitt South	DIMSDI120	351	56.45
166	275	Manhattan	MANH7160	1227	54.12
167	147	Slaton	SLAT6600	1144	53.42
168	71	Osage	OSAG6060	133	53.34
169	207	West Anton	WANT3502	632	52.31
170	198	Pierce	PIER5B00	999	51.86
171	18	Moore Co	MOORM065	952	51.78
172	135	Boardman	BOARS430	22	51.36
173	236	Happy	HAPP2326	279	50.94
174	83	South Georgia	SGEO2346	1120	50.78
175	187	Plainview City	PLVCP690	101	50.18
176	69	Conway	CONW5010	1437	49.47
177	229	Friona Rural	FRIO2436	1691	49.25
178	324	Littlefield South	LITSLI120	213	49.16
179	186	Olton	OLTOSO170	669	47.42
180	58	Perryton	PERR1535	1451	47.22
181	279	South Georgia	SGEO5B40	1703	47.10
182	285	Estacado	ESTA5D60	2287	46.69
183	NA	Kiser	P965	762	46.10
184	123	McCullough	MCCU5085	1244	45.99
185	185	Canadian	CANA340	449	45.96
186	346	Sudan Rural	SUDRSR110	25	45.52
187	125	Lawrence Park	LAWR5315	954	45.30

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
188	240	Hastings	HAST7078	3456	45.20
189	92	Arrowhead	ARRO5D85	2079	44.32
190	205	Olton	OLTOSO180	572	44.16
191	34	Lehman	LEHMLV510	66	43.76
192	73	Moore Co	MOORM055	71	42.90
193	57	Spearman Int	SPEX1512	971	42.68
194	323	Booker	BOOK421	94	42.51
195	264	Pierce	PIER5B05	963	42.22
196	102	Lake Meredith	LAKM2B55	45	41.00
197	141	Levelland City	LEVCLV180	2276	40.68
198	262	Littlefield South	LITSLI110	1567	40.67
199	54	Perryton	PERR1230	582	40.04
200	171	Sudan Rural	SUDRSR120	477	40.02
201	172	Howard	HOWA2485	606	39.34
202	44	Springlake	SPRISO140	195	39.10
203	188	Coulter	COUL5290	2772	38.08
204	252	Hereford	HERE2D45 ²	1633	37.90
205	274	South Georgia	SGEO5B35	1695	37.84
206	98	Spring Draw	SPRD2C70	1123	37.72
207	282	Lynn	LYNN6510	267	37.21
208	27	Roxana	ROXA2076	393	37.09
209	216	Sunset	SUNS5D35	557	36.60
210	51	Burnett	BURN1398	101	36.55
211	31	Parmer County	PARM2465	41	35.45
212	163	Tenneco	TENNS440	141	35.13
213	284	Dalhart	DALH116	263	34.91
214	303	South Georgia	SGEO5B30	1428	34.34
215	156	Bennett	BENNS345	1019	33.01
216	206	County Line	COLICL110	15	32.87
217	138	Wildorado	WILD2018	1009	32.83
218	334	Dimmitt East	DIMEDI150	880	32.71
219	237	South Georgia	SGEO2338	3371	31.85
220	258	Farmers	FARM5390	1557	31.70
221	152	Denver City East	DENES100	1040	31.27
222	107	Roberts County	ROBE7065	94	31.04
223	309	Dalhart	DALH106	183	30.83
224	155	Hart	HARTHA120	548	30.08
225	225	Lawrence Park	LAWR5025	1800	29.86
226	70	Kress Rural	KRERKR110	343	29.48
227	287	Lyons	LYON5C20	1395	29.44
228	9	Mulshoe West	MULWMR130	204	28.97
229	78	Riley	RILES510	76	28.87
230	170	Riley	RILES500	60	28.12
231	117	Southeast	SOEA5C80	320	27.71
232	263	Coulter	COUL5285	251	27.69
233	37	Aiken Rural	AIKRLA110	126	27.30
234	305	Estacado	ESTA5D10	2384	27.07
235	149	Lawrence Park	LAWR5275	1251	26.73

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
236	231	Arrowhead	ARRO5D80	431	26.23
237	260	Dumas 19th Street	DU191367	1707	26.04
238	293	Puckett West	PUCW5C35	1934	25.88
239	82	Riverview	RIVER095	476	25.55
240	32	Bennett	BENNS290	101	25.40
241	298	Centre Street	CENT5305	2684	25.00
242	113	Waterfield	WTRF2361	393	24.82
243	310	Soncy	SONC5130	725	24.79
244	189	Osage	OSAG6065	1808	24.77
245	121	Kress Rural	KRERKR140	143	24.57
246	244	Manhattan	MANH7164	1635	24.28
247	179	Bush	BUSH5210	1696	23.97
248	247	Cedar Lake East	CEDES910	27	23.33
249	94	Moss	MOSS6320	1266	23.08
250	273	34th Street	34ST5B90	943	22.96
251	10	Plant X	PLAXX310	607	22.76
252	228	Sherman County	SHER1448	19	22.11
253	213	Spearman	SPEA301	453	21.45
254	328	Soncy	SONC7024	1240	21.19
255	283	Van Buren	VANB7046	2713	21.10
256	118	Garza	GARZ6500	737	20.57
257	165	Kite	KITE5B80	1071	20.45
258	266	West Borger	WBOR1A10	1244	20.05
259	243	Springcreek	SPRI1316	357	19.97
260	177	Lynn	LYNN6340	633	19.10
261	316	Dimmitt South	DIMSDI110	359	19.04
262	119	Canyon East	CANE5185	828	18.96
263	250	Lyons	LYON5C25	1883	18.85
264	267	Littlefield City	LITCLI640	437	18.32
265	182	34th Street	34ST5B95	1682	18.25
266	321	Texaco	TEXALV980	23	18.17
267	289	Osage	OSAG6040	1860	17.99
268	NA	Mulshoe Valley	MULVMR155	942	17.89
269	332	Dalhart	DALH114	150	17.49
270	344	Soncy	SONC7116	64	17.22
271	61	Denver City East	DENES110	868	17.08
272	291	McCullough	MCCU7005	1320	16.99
273	97	Plainview City	PLVCP680	78	16.85
274	269	Kite	KITE5075	1246	16.36
275	204	Garza	GARZPO120	344	15.92
276	295	Lawrence Park	LAWR5020	1536	15.73
277	253	Levelland East	LEVELV960	1072	15.12
278	142	Adobe Creek	ADOB1115	93	15.12
279	315	Slaton	SLAT6690	869	15.06
280	330	Puckett West	PUCW5C30	745	15.05
281	294	Plainview West	PLVWP110	1445	14.69
282	232	Levelland City	LEVCLV190	2284	14.14
283	21	Pacific	PACILV940	66	13.67

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
284	136	Amherst	AMHEAM610	30	13.60
285	192	Littlefield West	LITWLI156	244	13.37
286	338	Soncy	SONC7020	417	13.24
287	30	Perryton	PERR1235	1637	13.19
288	194	Industrial	INDU1416	885	13.07
289	65	Moss	MOSS6540	308	11.83
290	255	Sunset	SUNS5D40	1454	11.54
291	79	Hastings	HAST7082	1461	11.50
292	22	Hendrick	HEND6685	1110	11.47
293	319	Amherst	AMHEAM620	350	11.11
294	308	Littlefield City	LITCLI630	106	11.04
295	178	Industrial	INDU1412	1102	10.98
296	256	Lynn	LYNN6300	828	10.86
297	221	Coulter	COUL5280	853	10.37
298	290	Canadian	CANA325	423	10.23
299	108	Plainview City	PLVCP670	59	10.15
300	292	Higg East	HGEA6A05	46	10.02
301	300	Levelland City	LEVCLV520	151	9.78
302	47	Hereford	HERE2D50 ³	758	9.23
303	222	Garza	GARZPO110	513	9.22
304	164	West Borger	WBOR1A20	1318	9.17
305	106	Whitaker	WHIT5265	71	8.90
306	239	Farmers	FARM5385	229	8.86
307	296	Morton	MORTM120	160	8.75
308	280	Morton	MORTM130	873	8.22
309	200	Levelland East	LEVELV950	509	7.93
310	99	Diekemper	DEIKDE110	65	7.72
311	38	Plainview City	PLVCP620	245	7.72
312	271	Southland	SOUTSO110	100	7.52
313	110	Muleshoe West	MULWMR140	666	7.36
314	278	Centre Street	CENT5310	1542	7.24
315	277	Plainview South	PLVSP220	1114	6.85
316	191	Westridge	WRIDP450	1490	6.69
317	302	Dalhart	DALH108	309	6.60
318	154	Vickers	VICK6680	1659	6.49
319	313	Muleshoe City	MULCMU620	399	6.28
320	322	Plainview City	PLVCP630	498	5.89
321	219	Fain	FAIN1105	88	5.78
322	261	Kite	KITE7106	634	5.42
323	340	Kingsmill	KING1B80	24	5.38
324	208	Pullman	PULL2A40	199	5.23
325	301	McCullough	MCCU7002	1284	4.83
326	159	Canyon East	CANE5190	2089	4.39
327	337	Bush	BUSH5215	1336	4.07
328	43	Farwell	FARWFA620	67	4.03
329	326	Farwell	FARWFA610	276	3.62
330	288	Spearman	SPEA401	363	3.37
331	148	Spearman	SPEA302	590	3.29

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2016 SAIDI Ranking	2015 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2016 SAIDI Value
332	306	Estacado	ESTA5D70	728	3.02
333	299	Canadian	CANA350	251	2.61
334	286	Muleshoe Valley	MULVMR150	184	2.46
335	NA	Kiser	P970	2033	2.29
336	202	Littlefield City	LITCLI620	100	2.24
337	336	Whitharral	WHITLV710	92	2.20
338	342	Muleshoe City	MULCMU610	37	2.14
339	320	Sunset	SUNS1A035 ⁴	61	1.87
340	NA	Lipscomb	LPSB1E50	42	1.62
341	345	Spearman	SPEA402	370	0.87
342	166	Lariat	LARIMR110	56	0.80
343	104	Manhattan	MANH5135	692	0.16
344	270	Adair	ADAIS790	18	0.00
345	90	Brisco	BRIS3457	14	0.00
346	339	Damron	DAMR5365	10	0.00
347	327	Hillside	HILS2B15	1324	0.00
348	329	Kingsmill	KING5095	52	0.00
349	41	Lockney Rural	LOCR3421	21	0.00
350	NA	Lipscomb	LPSB1E40	53	0.00
351	347	Van Buren	VANB7190	52	0.00

- ¹ - LPSB2580 replaces BOOK33-08
- ² - HERE2D45 replaces HERE2627
- ³ - HERE2D50 replaces HERE2630
- ⁴ - SUNS1A035 replaces SUNS5D30
- ⁵ - WADE1B025 replaces WADE1420

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2016 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	12.25%
Vegetation	1.96%
Animals and Birds	5.53%
People (Including cars and farm equip)	8.62%
Utility-owned Equipment	50.53%
Other	1.97%
Unknown	19.14%

§25.52. -- Reliability and Continuity of Service.

<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:

Xcel Energy

Type Total Number of Distribution Feeders in the Cell Below

Feeders:

351

Due:

February 14, 2017

File:

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

Project:

46717

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