



Control Number: 29165



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PUBLIC UTILITY COMMISSION

Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2003 Reporting Year

Xcel Energy

Third Revised Report

Project 29165

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	0.41	0.02	0.02	0.03	0.05	0.05	0.06	0.02	0.04	0.04	0.01	0.03	0.05
Scheduled	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Causes	0.17	0.01	0.00	0.04	0.02	0.02	0.04	0.00	0.01	0.00	0.01	0.01	0.00
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

	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
System SAIDI													
Forced 2003	32.97	1.22	1.22	2.28	4.48	5.72	5.41	1.70	2.79	2.88	0.45	1.76	3.06
Scheduled 2003	0.54	0.02	0.00	0.04	0.16	0.02	0.05	0.03	0.10	0.04	0.02	0.05	0.01
Outside Causes 2003	18.98	0.43	0.00	3.39	0.99	9.14	3.50	0.10	0.25	0.05	0.31	0.81	0.00
Major Events 2003	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

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With More Than 10 Customers

360

Add or Delete Rows as Necessary

Xcel Energy

2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
1	183	Dalhart	1580	145	5.28
2	97	Bowers	5090	149	4.89
3	350	Parmer County	2465	22	3.82
4	34	Doss	6660	294	3.72
5	19	Dalhart	1664	61	3.46
6	20	Sherman County	1452	32	3.41
7	50	Springcreek	1320	174	3.15
8	87	Brownfield	6580	349	3.05
9	149	Herring	1434	1297	2.75
10	349	Dumas 19th Street	1498	27	2.74
11	67	Boardman	S560	112	2.70
12	16	Russell	S280	96	2.61
13	192	Springlake	SO140	54	2.41
14	162	Tokio	S800	103	2.33
15	42	Lehman	LV500	207	2.32
16	36	Cedar Lake East	S910	33	2.30
17	15	Etter Rural	5405	969	2.25
18	9	Moore Co	M055	33	2.21
19	325	Allmon	AT120	658	2.11
20	160	Perryton	1230	917	2.10
21	172	Whiteface	LV220	312	2.09
22	25	Moore Co	M060	127	2.08
23	14	Littlefield West	LI156	259	2.06
24	203	Etter Rural	5410	407	2.05
25	86	Whiteface	LV210	154	2.04
26	224	Plant X	X310	1034	2.03
27	56	Van Buren	7046	1729	2.03
28	11	Doss	S410	159	2.01
29	356	Hale Center	HR110	849	2.00
30	125	ODC	S325	127	1.97
31	102	Kingsmill	5110	489	1.96
32	3	Booker	33-08	1228	1.82
33	153	Waterfield	2361	487	1.76
34	151	Kingsmill	5115	1033	1.73
35	55	Carlisle	6650	1240	1.64
36	99	Kingsmill	5105	647	1.61
37	206	Farmers	5385	231	1.59
38	73	Tascosa	1218	174	1.57
39	170	Exell	1238	158	1.56
40	202	Garza	6520	533	1.54
41	250	Jaybee	S765	37	1.51
42	70	Conway	5005	1834	1.48
43	258	Kingsmill	5095	44	1.48
44	29	Bowers	2053	52	1.42
45	169	Indiana	7465	35	1.34
46	219	Middleton	LV820	54	1.33
47	54	Yellowhouse	LV900	30	1.30
48	216	Manhattan	7164	1285	1.27

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Xcel Energy

2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
49	142	Vega	5170	646	1.25
50	57	El Paso	S340	478	1.24
51	186	Muleshoe East	MU630	296	1.23
52	166	Bush	5210	2185	1.23
53	109	Farmers	5395	665	1.22
54	111	Roberts County	7010	564	1.21
55	5	Sherman County	1456	952	1.21
56	51	Spearman Int	1512	905	1.19
57	121	Lehman	LV510	240	1.17
58	82	Waterfield	2368	251	1.15
59	43	Industrial	1412	805	1.14
60	165	Bush	5205	1277	1.13
61	311	South Georgia	5B35	1543	1.13
62	35	Indiana	7480	1861	1.10
63	181	Dimmitt East	DI180	390	1.09
64	209	Dimmitt East	DI150	963	1.08
65	72	Texaco	LV980	26	1.08
66	114	Frona Rural	2436	1621	1.07
67	267	Pierce	5B10	841	1.07
68	257	Lawrence Park	5275	1277	1.06
69	358	Mallet	LV120	16	1.06
70	71	Westridge	P450	1389	1.06
71	173	East Plant	A122	1326	1.06
72	227	Van Buren	7048	433	1.06
73	47	Arrowhead	5D80	225	1.05
74	23	Lockney Rural	3417	1111	1.04
75	77	Pacific	LV940	72	1.04
76	69	Sherman County	1448	807	1.04
77	295	Batton	L624	717	1.03
78	100	Sunset	5D35	211	1.03
79	213	Bush	5215	1291	1.03
80	333	Slaton	6600	525	1.03
81	298	Vickers	6680	1588	1.02
82	88	Kingsmill	5100	131	1.02
83	24	Lynn	6510	316	1.01
84	326	Lynn	6340	634	1.01
85	211	Channing	1568	25	1.00
86	146	Pullman	2A40	101	1.00
87	118	Allen	L505	111	1.00
88	239	Pacific	LV930	11	1.00
89	122	Bowers	2057	541	0.95
90	284	Zavalla	LV780	23	0.91
91	309	Plainview North	P270	142	0.88
92	8	Allred	S180	112	0.87
93	154	Littlefield South	LI120	63	0.83
94	95	Dumas 19th Street	1470	2623	0.80
95	4	McLean Rural	5300	859	0.79
96	167	Wheelock	7370	1255	0.79
97	315	Levelland East	LV950	410	0.79
98	137	Manhattan	5135	655	0.74
99	134	Lyons	5C25	677	0.74
100	317	El Paso	S320	212	0.73
101	33	Grave	7178	1524	0.69

Service Quality Report to the Public Utility Commission of Texas

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2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
102	197	Arrowhead	5D85	1428	0.69
103	130	Southeast	5C85	2416	0.67
104	132	Estacado	5D15	1361	0.65
105	96	Doss	6670	1932	0.65
106	297	Doud	6305	1142	0.64
107	124	Riverview	R100	429	0.64
108	131	Dalhart	1298	1021	0.63
109	31	Stanton	L540	527	0.62
110	354	Lynn	6300	976	0.59
111	330	Acco	L580	131	0.57
112	64	Waterfield	2364	361	0.57
113	184	Moss	6320	1845	0.57
114	259	Manhattan	7160	1313	0.55
115	220	Garza	6500	504	0.55
116	1	Carson County	7030	82	0.54
117	159	Roxana	2334	207	0.53
118	113	McCullough	5085	1180	0.53
119	18	Riverview	R090	29	0.52
120	104	Buffalo	5165	297	0.50
121	52	Whitaker	5270	1993	0.50
122	108	Ivory	L680	86	0.48
123	272	Westridge	P460	457	0.44
124	101	Prentice	S875	40	0.43
125	30	Highland Park	5335	810	0.41
126	155	Hastings	7086	659	0.40
127	115	Flanagan	S550	40	0.40
128	275	Lewters	L470	39	0.38
129	7	Burnett	1394	129	0.38
130	190	Pierce	5B00	1140	0.38
131	263	East Plant	A126	609	0.38
132	44	Hastings	7078	2953	0.36
133	129	Fritch	1364	2064	0.36
134	45	Wildorado	2014	189	0.35
135	89	Lockney Rural	3421	17	0.35
136	148	Springcreek	1316	434	0.35
137	145	Kite	5075	1057	0.35
138	152	Dalhart	1246	1335	0.34
139	12	Allred	S140	53	0.34
140	336	Riley	S510	127	0.33
141	139	34th Street	5B85	1717	0.32
142	94	East Plant	A118	1704	0.31
143	6	Springlake	SO150	73	0.29
144	200	Moss	6540	315	0.29
145	281	Plainview West	P130	603	0.29
146	256	Acco	L570	172	0.28
147	182	Lyons	5C20	1513	0.28
148	40	Fritch	1360	826	0.28
149	195	Whitaker	5260	1362	0.27
150	74	Stanton	6570	82	0.27
151	346	Canyon East	5190	1162	0.26
152	61	Dumas 19th Street	1371	1015	0.26
153	278	Roxana	2076	873	0.25
154	128	Irick	IB120	20	0.25

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155	290	Wellman	S755	228	0.25
156	277	Lawrence Park	5020	1471	0.25
157	136	Industrial	1416	706	0.25
158	32	Carson County	7034	97	0.25
159	126	Amherst	AM610	41	0.24
160	143	Weatherly	1350	733	0.24
161	60	Centre Street	5305	2357	0.24
162	38	Cherry	5C10	835	0.24
163	158	Littlefield South	LI110	1495	0.23
164	106	Wildorado	2018	257	0.23
165	59	McCullough	7005	1506	0.22
166	271	Denver City East	S100	1163	0.22
167	53	Dumas 19th Street	1367	1772	0.22
168	301	South Georgia	2342	782	0.22
169	48	Plainview East	P180	110	0.22
170	161	Allen	L745	534	0.21
171	133	Planters	L710	838	0.21
172	215	Wheelock	7365	1168	0.20
173	235	South Georgia	5B30	1399	0.20
174	230	Van Buren	7198	1778	0.19
175	205	ODC	S335	53	0.19
176	49	East Plant	A110	895	0.19
177	188	Littlefield City	LI620	166	0.19
178	222	West Borger	1A20	815	0.18
179	236	Kress Rural	KR120	148	0.18
180	156	South Georgia	2338	3292	0.18
181	17	Perryton	1235	1340	0.18
182	248	Happy	7040	304	0.18
183	157	McCullough	7002	1458	0.17
184	144	West Anton	3502	688	0.17
185	347	Hendrick	6675	1657	0.17
186	226	Levelland City	LV180	2658	0.17
187	176	Dimmitt South	DI110	312	0.16
188	127	Cherry	5C15	1108	0.16
189	27	Conway	5010	976	0.16
190	243	Kite	7106	581	0.16
191	140	Morton	M130	511	0.16
192	63	Booker	535	264	0.16
193	201	Highland Park	5325	312	0.15
194	323	Stanton	6420	457	0.15
195	321	Clutter	6630	335	0.15
196	210	South Floydada	3551	33	0.15
197	65	Parmer County	2475	796	0.15
198	116	Kite	5B80	851	0.15
199	208	Boardman	S430	48	0.15
200	196	Doud	6480	1377	0.15
201	264	Canadian	340	426	0.14
202	21	Sudan Rural	SR120	558	0.14
203	244	Soncy	7020	860	0.14
204	293	Lockney Rural	LA150	86	0.14
205	75	Brisco	3434	560	0.14
206	254	Barwise	IB140	65	0.14
207	120	Doss	S400	1275	0.14

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2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
208	171	South Georgia	5B40	2460	0.14
209	189	Plainview West	P120	1756	0.13
210	163	Hastings	7074	1673	0.13
211	110	Herring	1438	155	0.13
212	270	Plainview City	P630	760	0.13
213	331	Littlefield City	LI630	306	0.13
214	316	Wheelock	7375	568	0.13
215	179	Lawrence Park	5025	1740	0.13
216	240	Van Buren	7044	940	0.12
217	266	Plainview North	P260	1559	0.12
218	223	Murphy	7430	784	0.12
219	245	Kress Rural	KR110	369	0.12
220	280	Denver City East	S110	1885	0.12
221	193	Perryton	1530	1040	0.12
222	135	Channing	1564	17	0.12
223	279	Dimmitt South	DI120	255	0.12
224	214	Hastings	7082	1344	0.12
225	85	Canyon West	7124	2244	0.12
226	228	Lawrence Park	5050	1056	0.12
227	194	Lockney Rural	LA140	97	0.11
228	232	Hereford	2627	1697	0.11
229	187	West Borger	1A10	914	0.11
230	150	Lawrence Park	5030	733	0.11
231	28	Ivory	L685	806	0.11
232	62	Plainview South	P230	622	0.10
233	117	Lawrence Park	5315	705	0.10
234	2	Brisco	3457	10	0.10
235	10	Elwood	LV140	70	0.10
236	112	Muleshoe Valley	MR150	340	0.10
237	233	Weatherly	1354	765	0.10
238	249	Plainview East	P160	573	0.10
239	319	Indiana	7450	1210	0.10
240	357	Batton	L650	239	0.10
241	68	West Borger	1A15	1575	0.10
242	252	Plainview West	P110	1026	0.09
243	123	Muleshoe West	MR130	98	0.09
244	327	Allen	L750	521	0.09
245	58	Aiken Rural	LA110	112	0.09
246	37	Littlefield City	LI640	673	0.09
247	107	Dalhart	106	150	0.09
248	247	Centre Street	5310	1356	0.08
249	246	Spearman	402	348	0.08
250	119	34th Street	5B90	873	0.08
251	66	Kress Rural	KR140	147	0.08
252	262	Plainview South	P220	1519	0.08
253	198	Farmers	5390	2803	0.08
254	229	Soncy	7024	2101	0.08
255	76	Hereford	2630	1185	0.07
256	242	34th Street	5B95	1974	0.07
257	212	Perryton	1535	879	0.07
258	285	Levelland East	LV960	1083	0.07
259	218	Muleshoe West	MR140	688	0.07
260	289	Dawn	5A35	323	0.07

Service Quality Report to the Public Utility Commission of Texas

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2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
261	307	Clutter	6620	1187	0.07
262	78	Coulter	5290	1588	0.07
263	265	Olton	SO180	635	0.07
264	294	Doud	6325	1361	0.07
265	291	Plainview City	P620	433	0.06
266	304	Coulter	5285	1336	0.06
267	178	Dalhart	108	363	0.06
268	292	Allen	L520	746	0.06
269	274	Estacado	5D10	2590	0.06
270	204	Soncy	5130	1178	0.06
271	147	South Georgia	2346	977	0.06
272	221	Sudan Rural	SR110	120	0.06
273	351	Canadian	350	227	0.06
274	41	Tenneco	S440	53	0.06
275	255	Farwell	FA610	403	0.05
276	91	Indiana	7440	37	0.05
277	231	Levelland City	LV190	2541	0.05
278	251	Littlefield City	LI610	617	0.05
279	335	Whitharral	LV710	120	0.05
280	268	Plainview City	P680	100	0.05
281	238	Spearman	401	411	0.05
282	98	County Line	CL110	21	0.05
283	93	Riley	S500	42	0.05
284	288	Riverview	R095	730	0.05
285	185	Murphy	7535	1572	0.04
286	164	Estacado	5D20	544	0.04
287	180	Barwise	IB130	68	0.04
288	310	Allen	L510	708	0.04
289	299	Muleshoe City	MU610	571	0.04
290	234	Monroe	6610	517	0.04
291	241	Dalhart	114	495	0.04
292	342	Plainview City	P690	210	0.04
293	22	Middleton	LV810	27	0.04
294	92	Garza	PO120	595	0.04
295	273	Amherst	AM620	456	0.04
296	269	Puckett West	5C60	710	0.03
297	225	Pierce	5B05	1016	0.03
298	84	Wade	1420	63	0.03
299	287	Carlisle	6635	701	0.03
300	303	Puckett West	5C30	944	0.03
301	332	Plainview South	P210	102	0.03
302	352	Whitaker	5265	38	0.03
303	308	Plainview City	P670	235	0.03
304	296	Stanton	6410	644	0.02
305	322	South Floydada	3547	823	0.02
306	282	Doud	6345	376	0.02
307	329	Canyon West	7128	3350	0.02
308	286	Muleshoe East	MU640	266	0.02
309	83	Happy	2326	360	0.02
310	217	Canadian	325	406	0.02
311	79	Plainview East	P150	181	0.02
312	261	Spearman	301	443	0.02
313	340	Van Buren	7194	414	0.02

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2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
314	320	Puckett West	5C35	1877	0.02
315	141	Slaton	SL140	1291	0.02
316	26	Exell	1242	109	0.02
317	207	Irick	IB110	55	0.02
318	314	Morton	M120	765	0.02
319	253	Canadian	335	182	0.02
320	103	Stanton	6430	946	0.01
321	199	Van Buren	7190	68	0.01
322	237	Allen	L740	751	0.01
323	None	Hale Center	HC610	370	0.01
324	81	Spearman	302	642	0.01
325	348	Canyon West	5160	668	0.01
326	306	Batton	L622	611	0.01
327	344	Batton	L640	670	0.01
328	174	Coble	LV835	252	0.01
329	337	Hendrick	6685	1429	0.01
330	276	Tuco	N404	889	0.01
331	312	Garza	PO110	636	0.01
332	177	Booker	421	187	0.01
333	138	Southeast	5C80	383	0.01
334	359	Slaton	SL150	1055	0.00
335	90	Channing	450	230	0.00
336	334	Canyon East	5185	452	0.00
337	343	Tuco	N412	651	0.00
338	302	Mulshoe City	MU620	737	0.00
339	80	Fain	1105	28	0.00
340	260	Dalhart	116	302	0.00
341	13	Tascosa	1222	37	0.00
342	324	Booker	422	212	0.00
343	339	Palo Duro	5235	160	0.00
344	305	Coulter	5280	798	0.00
345	353	Sunset	5D30	29	0.00
346	318	Slaton	6690	803	0.00
347	191	Soncy	7116	66	0.00
348	168	Bainer	BA601	14	0.00
349	105	Diekemper	DE110	21	0.00
350	345	Farwell	FA620	738	0.00
351	328	Hart	HA110	95	0.00
352	355	Hart	HA120	628	0.00
353	338	Ivory	L682	138	0.00
354	341	Levelland City	LV520	210	0.00
355	46	Zavalla	LV790	13	0.00
356	313	Lariat	MR110	100	0.00
357	300	Flanagan	S540	39	0.00
358	175	Adair	S790	15	0.00
359	360	Southland	SO110	115	0.00
360	283	Olton	SO170	633	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 More Than 10 Customers

360

Add or Delete Rows as Necessary

Xcel Energy

2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
1	350	Parmer County	2465	22	596.91
2	161	Tokio	S800	103	446.46
3	201	Dalhart	1580	145	383.88
4	115	Herring	1434	1297	381.56
5	27	Lehman	LV500	207	373.43
6	167	Tascosa	1218	174	351.03
7	88	Whiteface	LV210	154	348.44
8	9	Russell	S280	96	345.59
9	358	Mallet	LV120	16	338.00
10	105	Exell	1238	158	335.46
11	3	Doss	6660	294	329.07
12	16	Dalhart	1664	61	328.52
13	191	Jaybee	S765	37	325.19
14	14	Etter Rural	5405	969	319.42
15	26	Bowers	5090	149	311.11
16	136	Springlake	SO140	54	286.19
17	36	Sherman County	1452	32	282.25
18	22	Boardman	S560	112	279.43
19	38	Springcreek	1320	174	276.98
20	51	Littlefield West	LI156	259	273.64
21	349	Dumas 19th Street	1498	27	272.44
22	132	Friona Rural	2436	1621	247.34
23	76	Kingsmill	5105	647	223.83
24	118	Spearman Int	1512	905	218.25
25	63	Lehman	LV510	240	210.33
26	99	Brownfield	6580	349	207.53
27	204	Whiteface	LV220	312	203.09
28	116	Doss	S410	159	200.68
29	215	Lawrence Park	5275	1277	192.09
30	10	Moore Co	M060	127	188.71
31	39	Cedar Lake East	S910	33	187.88
32	328	Garza	6520	533	185.09
33	56	Riverview	R100	429	182.63
34	176	Pacific	LV940	72	178.89
35	37	Bowers	2053	52	172.87
36	196	East Plant	A122	1326	166.12
37	49	Moore Co	M055	33	161.30
38	354	Lynn	6300	976	160.95
39	224	Dimmitt East	DI180	390	159.46
40	55	Sunset	5D35	211	157.86
41	213	Dimmitt East	DI150	963	155.95
42	86	Farmers	5395	665	152.80
43	169	Etter Rural	5410	407	142.15
44	123	Roxana	2334	207	140.41
45	278	Vickers	6680	1588	136.02
46	151	Perryton	1230	917	134.46
47	61	Stanton	L540	527	133.33
48	82	Kingsmill	5110	489	126.62
49	120	ODC	S325	127	122.75

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
50	137	Waterfield	2361	487	119.36
51	326	Allmon	AT120	658	118.28
52	126	Carlisle	6650	1240	116.22
53	113	Ivory	L680	86	114.19
54	127	Indiana	7465	35	108.66
55	46	Indiana	7480	1861	104.77
56	356	Hale Center	HR110	849	102.00
57	71	Bowers	2057	541	99.51
58	229	Channing	1568	25	91.00
59	281	Levelland East	LV950	410	89.90
60	24	McLean Rural	5300	859	85.03
61	110	Dumas 19th Street	1470	2623	83.93
62	5	Allred	S180	112	81.57
63	34	Prentice	S875	40	79.90
64	181	Garza	6500	504	79.88
65	235	Middleton	LV820	54	79.04
66	299	Batton	L624	717	76.67
67	143	Allen	L505	111	74.47
68	166	Farmers	5385	231	74.03
69	165	Arrowhead	5D85	1428	71.43
70	12	Riverview	R090	29	69.52
71	256	Westridge	P450	1389	68.33
72	29	Highland Park	5335	810	68.21
73	97	Kingsmill	5100	131	67.59
74	28	Sherman County	1456	952	65.83
75	325	Slaton	6600	525	64.85
76	62	Texaco	LV980	26	64.46
77	150	Kingsmill	5115	1033	64.24
78	164	Vega	5170	646	63.60
79	244	Pierce	5B10	841	63.16
80	33	Carson County	7034	97	61.15
81	109	Waterfield	2368	251	59.21
82	314	Pacific	LV930	11	58.00
83	147	Manhattan	5135	655	56.29
84	273	Doud	6305	1142	55.05
85	304	Kingsmill	5095	44	54.98
86	74	Roberts County	7010	564	53.82
87	25	Waterfield	2364	361	52.76
88	59	El Paso	S340	478	52.48
89	155	Dalhart	1246	1335	51.73
90	172	Bush	5210	2185	50.60
91	121	Southeast	5C85	2416	48.74
92	47	Sherman County	1448	807	48.61
93	81	Van Buren	7046	1729	46.74
94	42	Arrowhead	5D80	225	45.98
95	104	Lyons	5C25	677	45.83
96	2	Booker	33-08	1228	45.18
97	94	Conway	5005	1834	44.41
98	163	Bush	5205	1277	43.97
99	183	Planters	L710	838	43.97
100	327	Plainview North	P270	142	41.63
101	300	South Georgia	5B35	1543	40.47
102	53	Doss	6670	1932	39.92
103	178	Plant X	X310	1034	39.23

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
104	73	Buffalo	5165	297	38.92
105	77	Lockney Rural	3417	1111	38.92
106	79	Flanagan	S550	40	38.60
107	15	Yellowhouse	LV900	30	37.17
108	157	Dalhart	1298	1021	35.59
109	134	Hastings	7086	659	35.31
110	336	Riley	S510	127	35.24
111	8	Burnett	1394	129	34.98
112	32	Grave	7178	1524	34.94
113	266	Lawrence Park	5020	1471	33.85
114	219	Zavalla	LV780	23	33.78
115	321	Acco	L580	131	33.21
116	98	Pullman	2A40	101	33.00
117	69	Stanton	6570	82	32.79
118	7	Carson County	7030	82	32.30
119	135	Wheelock	7370	1255	31.29
120	84	Cherry	5C10	835	30.99
121	57	Springlake	SO150	73	30.93
122	258	Lewters	L470	39	29.79
123	103	Hereford	2630	1185	29.60
124	190	Moss	6320	1845	29.54
125	208	Muleshoe East	MU630	296	28.90
126	66	Fritch	1360	826	28.72
127	158	Springcreek	1316	434	28.16
128	234	Manhattan	7160	1313	27.89
129	149	Pierce	5B00	1140	27.80
130	221	Littlefield City	LI620	166	27.52
131	107	Whitaker	5270	1993	27.46
132	274	Kite	7106	581	27.17
133	218	Roxana	2076	873	27.05
134	6	Allred	S140	53	26.96
135	133	Estacado	5D15	1361	26.72
136	87	Hastings	7078	2953	26.54
137	189	Whitaker	5260	1362	26.01
138	179	Kite	5075	1057	26.00
139	185	Manhattan	7164	1285	25.78
140	124	Littlefield South	LI120	63	25.24
141	311	Indiana	7450	1210	25.22
142	52	Centre Street	5305	2357	24.47
143	214	Acco	L570	172	24.10
144	297	El Paso	S320	212	23.70
145	125	McCullough	5085	1180	23.61
146	44	Herring	1438	155	23.40
147	184	West Anton	3502	688	23.15
148	85	Industrial	1412	805	22.75
149	54	East Plant	A118	1704	22.69
150	162	Moss	6540	315	22.39
151	119	Dumas 19th Street	1371	1015	22.16
152	174	Littlefield South	LI110	1495	22.01
153	72	Wildorado	2014	189	21.85
154	292	Westridge	P460	457	21.74
155	230	Wheelock	7365	1168	21.28
156	202	Van Buren	7048	433	21.10
157	148	Weatherly	1350	733	20.81

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
158	180	Allen	L745	534	20.52
159	279	Denver City East	S110	1885	20.38
160	257	Denver City East	S100	1163	19.82
161	308	Wellman	S755	228	19.45
162	245	Kress Rural	KR120	148	19.43
163	114	Cherry	5C15	1108	19.20
164	64	Conway	5010	976	18.73
165	237	East Plant	A126	609	18.65
166	192	Fritch	1364	2064	18.61
167	160	34th Street	5B85	1717	18.14
168	23	Tenneco	S440	53	17.47
169	187	South Georgia	5B30	1399	16.95
170	102	Wildorado	2018	257	16.82
171	198	Garza	PO120	595	16.34
172	318	Stanton	6420	457	16.03
173	334	South Georgia	2342	782	15.99
174	197	ODC	S335	53	15.34
175	89	McCullough	7005	1506	15.00
176	144	Industrial	1416	706	14.95
177	128	Dumas 19th Street	1367	1772	14.57
178	216	Bush	5215	1291	14.47
179	203	West Borger	1A20	815	14.08
180	31	Lynn	6510	316	14.05
181	285	Doud	6325	1361	13.96
182	182	Hastings	7074	1673	13.78
183	242	Lockney Rural	LA140	97	13.61
184	67	East Plant	A110	895	13.11
185	145	Dimmitt South	DI110	312	13.08
186	261	Plainview West	P130	603	12.90
187	268	Levelland City	LV180	2658	12.79
188	18	Plainview East	P180	110	12.66
189	329	Allen	L750	521	12.63
190	130	West Borger	1A10	914	12.62
191	282	Wheelock	7375	568	12.49
192	220	Doud	6480	1377	12.44
193	112	Boardman	S430	48	12.25
194	289	Plainview North	P260	1559	12.12
195	310	Lockney Rural	LA150	86	11.63
196	252	Van Buren	7044	940	11.58
197	175	Highland Park	5325	312	11.41
198	156	South Georgia	2338	3292	11.26
199	40	Lockney Rural	3421	17	10.94
200	141	South Georgia	2346	977	10.87
201	30	Perryton	1235	1340	10.62
202	146	Irick	IB120	20	10.50
203	171	Sudan Rural	SR110	120	10.50
204	347	Canyon East	5190	1162	10.25
205	290	Clutter	6630	335	10.18
206	131	Morton	M130	511	10.17
207	78	Canyon West	7124	2244	10.11
208	65	34th Street	5B90	873	10.01
209	138	McCullough	7002	1458	9.85
210	80	Sudan Rural	SR120	558	9.83
211	210	Lyons	5C20	1513	9.80

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2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
212	194	West Borger	1A15	1575	9.75
213	205	Van Buren	7198	1778	9.64
214	193	South Georgia	5B40	2460	9.21
215	93	Doss	S400	1275	9.19
216	153	Channing	1564	17	9.12
217	250	Murphy	7430	784	9.09
218	277	Amherst	AM620	456	8.66
219	346	Hendrick	6675	1657	8.61
220	140	Plainview South	P230	622	8.28
221	236	Hastings	7082	1344	8.26
222	240	Plainview West	P120	1756	8.18
223	45	Parmer County	2475	796	8.01
224	122	Muleshoe Valley	MR150	340	7.89
225	293	Canadian	340	426	7.86
226	117	Amherst	AM610	41	7.85
227	255	Soncy	7020	860	7.74
228	101	Lawrence Park	5030	733	7.68
229	335	Littlefield City	LI630	306	7.67
230	211	Monroe	6610	517	7.61
231	142	Centre Street	5310	1356	7.46
232	111	Kite	5B80	851	7.27
233	41	Ivory	L685	806	7.27
234	60	Kress Rural	KR140	147	7.23
235	70	Lawrence Park	5315	705	7.20
236	295	Dimmitt South	DI120	255	7.15
237	259	Farwell	FA610	403	7.04
238	227	Muleshoe West	MR140	688	6.94
239	68	Littlefield City	LI640	673	6.88
240	108	Coulter	5290	1588	6.87
241	48	Booker	535	264	6.83
242	271	Happy	7040	304	6.82
243	168	Lawrence Park	5025	1740	6.50
244	254	Hereford	2627	1697	6.48
245	241	Lawrence Park	5050	1056	6.35
246	106	Murphy	7535	1572	6.19
247	188	Olton	SO180	635	6.18
248	226	Weatherly	1354	765	6.16
249	228	34th Street	5B95	1974	6.12
250	243	Kress Rural	KR110	369	5.93
251	21	Elwood	LV140	70	5.89
252	313	Levelland East	LV960	1083	5.58
253	307	Plainview City	P630	760	5.57
254	269	Stanton	6410	644	5.50
255	238	Spearman	402	348	5.34
256	298	Dawn	5A35	323	5.23
257	139	Dalhart	106	150	5.21
258	291	Clutter	6620	1187	5.12
259	170	Dalhart	108	363	4.98
260	225	Perryton	1530	1040	4.78
261	272	Plainview East	P160	573	4.61
262	159	Farmers	5390	2803	4.55
263	231	Soncy	7024	2101	4.45
264	95	Brisco	3434	560	4.40
265	13	Brisco	3457	10	4.30

Service Quality Report to the Public Utility Commission of Texas

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2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
266	283	Coulter	5285	1336	4.22
267	316	Allen	L520	746	3.89
268	129	Muleshoe West	MR130	98	3.86
269	96	Aiken Rural	LA110	112	3.81
270	276	Estacado	5D10	2590	3.81
271	91	County Line	CL110	21	3.81
272	4	Riley	S500	42	3.81
273	212	Puckett West	5C60	710	3.79
274	265	Puckett West	5C35	1877	3.77
275	248	Barwise	IB140	65	3.69
276	246	Perryton	1535	879	3.50
277	247	Levelland City	LV190	2541	3.46
278	206	South Floydada	3551	33	3.39
279	262	Riverview	R095	730	3.35
280	260	Plainview City	P620	433	3.32
281	286	Plainview South	P220	1519	3.27
282	270	Plainview West	P110	1026	3.20
283	264	Plainview City	P680	100	3.10
284	357	Batton	L650	239	2.90
285	1	Indiana	7440	37	2.86
286	338	Lynn	6340	634	2.85
287	351	Canadian	350	227	2.79
288	233	Canadian	325	406	2.61
289	217	Spearman	401	411	2.60
290	19	Middleton	LV810	27	2.59
291	306	Carlisle	6635	701	2.58
292	287	Whitharral	LV710	120	2.55
293	332	South Floydada	3547	823	2.52
294	345	Plainview City	P690	210	2.37
295	330	Plainview South	P210	102	2.36
296	154	Estacado	5D20	544	2.35
297	100	Stanton	6430	946	2.23
298	294	Allen	L510	708	2.09
299	17	Happy	2326	360	2.02
300	43	Plainview East	P150	181	2.01
301	249	Soncy	5130	1178	1.91
302	222	Pierce	5B05	1016	1.82
303	319	Puckett West	5C30	944	1.81
304	352	Whitaker	5265	38	1.76
305	263	Littlefield City	LI610	617	1.73
306	340	Canyon West	7128	3350	1.70
307	312	Plainview City	P670	235	1.58
308	317	Morton	M120	765	1.55
309	333	Van Buren	7194	414	1.53
310	303	Muleshoe City	MU610	571	1.52
311	223	Spearman	301	443	1.50
312	92	Southeast	5C80	383	1.46
313	284	Doud	6345	376	1.43
314	50	Wade	1420	63	1.35
315	173	Barwise	IB130	68	1.32
316	320	Garza	PO110	636	1.30
317	35	Exell	1242	109	1.18
318	267	Irick	IB110	55	1.18
319	275	Canadian	335	182	1.15

Service Quality Report to the Public Utility Commission of Texas

Xcel Energy

2003 SAIDI Ranking	2002 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIDI Value
320	239	Van Buren	7190	68	1.12
321	None	Hale Center	HC610	370	1.09
322	200	Allen	L740	751	1.06
323	253	Dalhart	114	495	1.03
324	83	Slaton	SL140	1291	0.89
325	195	Booker	421	187	0.78
326	296	Muleshoe East	MU640	266	0.75
327	324	Batton	L640	670	0.74
328	58	Spearman	302	642	0.68
329	348	Canyon West	5160	668	0.65
330	186	Coble	LV835	252	0.47
331	342	Hendrick	6685	1429	0.40
332	305	Batton	L622	611	0.38
333	209	Channing	450	230	0.29
334	288	Tuco	N404	889	0.17
335	339	Canyon East	5185	452	0.15
336	359	Slaton	SL150	1055	0.13
337	341	Tuco	N412	651	0.09
338	322	Muleshoe City	MU620	737	0.05
339	90	Fain	1105	28	0.00
340	280	Dalhart	116	302	0.00
341	11	Tascosa	1222	37	0.00
342	309	Booker	422	212	0.00
343	331	Palo Duro	5235	160	0.00
344	251	Coulter	5280	798	0.00
345	353	Sunset	5D30	29	0.00
346	302	Slaton	6690	803	0.00
347	199	Soncy	7116	66	0.00
348	177	Bainer	BA601	14	0.00
349	152	Diekemper	DE110	21	0.00
350	343	Farwell	FA620	738	0.00
351	323	Hart	HA110	95	0.00
352	355	Hart	HA120	628	0.00
353	337	Ivory	L682	138	0.00
354	344	Levelland City	LV520	210	0.00
355	20	Zavalla	LV790	13	0.00
356	315	Lariat	MR110	100	0.00
357	301	Flanagan	S540	39	0.00
358	207	Adair	S790	15	0.00
359	360	Southland	SO110	115	0.00
360	232	Olton	SO170	633	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.

2003 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	39.13%
Vegetation	1.90%
Animals and Birds	9.27%
People (Including cars and farm equip)	16.05%
Utility-owned Equipment	25.60%
Other	4.00%
Unknown	4.05%