



Control Number: 30613



Item Number: 16

Addendum StartPage: 0

2006 MAR 20 PM 1:50  
PUBLIC UTILITY COMMISSION  
TEXAS

**Service Quality Report**  
**To The**  
**Public Utility Commission of Texas**  
**In Accordance With**  
**Substantive Rule §25.81**  
**2004 Reporting Year**

**Xcel Energy**

Third Revised Report

**Project 30613**

# Service Quality Report to the Public Utility Commission of Texas

## **Xcel Energy**

<b>System SAIFI</b>	<b>Annual</b>	<b>Jan</b>	<b>Feb</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Forced</b>													
2004	0.51	0.03	0.04	0.03	0.02	0.05	0.07	0.03	0.05	0.03	0.02	0.11	0.04
<b>Scheduled</b>													
2004	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
<b>Outside Causes</b>													
2004	0.33	0.05	0.02	0.03	0.01	0.02	0.06	0.02	0.01	0.04	0.03	0.05	0.00
<b>Major Events</b>													
2004	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**

<b>System SAIDI</b>	<b>Annual</b>	<b>Jan</b>	<b>Feb</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Forced</b>													
2004	49.75	2.48	2.12	2.34	1.81	2.32	8.50	4.23	4.03	1.79	1.04	15.74	3.36
<b>Scheduled</b>													
2004	0.67	0.01	0.05	0.02	0.01	0.06	0.33	0.02	0.02	0.05	0.03	0.03	0.04
<b>Outside Causes</b>													
2004	19.98	1.79	1.01	1.78	0.42	0.92	4.42	2.10	2.47	1.24	0.62	3.22	0.00
<b>Major Events</b>													
2004	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**

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
1	282	County Line	CL110	21	7.05
2	222	Channing	1564	17	5.71
3	9	Herring	1434	1297	5.37
4	184	West Anton	3502	688	4.51
5	56	Spearman Int	1512	905	4.18
6	85	Channing	1568	25	4.12
7	49	Vega	5170	646	3.74
8	307	Canyon West	7128	3350	3.37
9	206	Barwise	IB140	65	3.28
10	290	Monroe	6610	517	3.24
11	45	Indiana	7465	35	3.20
12	319	Canadian	335	182	3.13
13	24	Etter Rural	5410	407	3.07
14	86	Pullman	2A40	101	3.05
15	138	Dalhart	1246	1335	2.96
16	176	East Plant	A110	895	2.84
17	179	Kress Rural	KR120	148	2.74
18	349	Diekemper	DE110	21	2.67
19	245	Aiken Rural	LA110	112	2.58
20	53	Farmers	5395	665	2.52
21	210	Hastings	7074	1673	2.52
22	10	Dumas 19th Street	1498	27	2.48
23	69	Mallet	LV120	16	2.38
24	12	Russell	S280	96	2.31
25	22	Moore Co	M060	127	2.29
26	11	Boardman	S560	112	2.29
27	126	Hastings	7086	659	2.29
28	355	Zavalla	LV790	13	2.23
29	200	Doud	6480	1377	2.23
30	237	Weatherly	1354	765	2.16
31	112	Waterfield	2364	361	2.15
32	4	Doss	6660	294	2.15
33	92	Allred	S180	112	2.14
34	62	Indiana	7480	1861	2.14
35	2	Bowers	5090	149	2.13
36	235	Elwood	LV140	70	2.11
37	13	Springlake	SO140	54	2.07
38	330	Tuco	N404	889	2.06
39	213	Littlefield City	LI630	306	2.06
40	120	Buffalo	5165	297	2.04
41	6	Sherman County	1452	32	2.03
42	139	Allred	S140	53	2.02
43	83	Lynn	6510	316	2.01
44	87	Allen	L505	111	2.00
45	75	Pacific	LV940	72	1.97
46	46	Middleton	LV820	54	1.94
47	18	Moore Co	M055	33	1.94
48	323	Hale Center	HC610	370	1.93

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
49	124	Prentice	S875	40	1.93
50	90	Zavalla	LV780	23	1.87
51	119	Riverview	R090	29	1.86
52	116	Carson County	7030	82	1.79
53	15	Lehman	LV500	207	1.74
54	41	Jaybee	S765	37	1.70
55	188	Cherry	5C15	1108	1.66
56	107	Riverview	R100	429	1.64
57	144	Moss	6540	315	1.63
58	171	Planters	L710	838	1.62
59	298	Wade	1420	63	1.60
60	58	Waterfield	2368	251	1.60
61	187	Dimmitt South	DI110	312	1.46
62	231	Ivory	L685	806	1.44
63	28	Doss	S410	159	1.43
64	227	Lockney Rural	LA140	97	1.37
65	122	Ivory	L680	86	1.34
66	351	Hart	HA110	95	1.29
67	317	Irick	IB110	55	1.29
68	61	South Georgia	5B35	1543	1.27
69	356	Lariat	MR110	100	1.24
70	39	Exell	1238	158	1.20
71	158	Carson County	7034	97	1.20
72	346	Slaton	6690	803	1.19
73	204	Lockney Rural	LA150	86	1.17
74	78	Sunset	5D35	211	1.17
75	233	Lawrence Park	5315	705	1.17
76	153	Roxana	2076	873	1.16
77	48	Manhattan	7164	1285	1.14
78	152	Dumas 19th Street	1371	1015	1.13
79	186	Levelland City	LV180	2658	1.13
80	199	Boardman	S430	48	1.13
81	242	Plainview West	P110	1026	1.12
82	311	Plainview East	P150	181	1.11
83	26	Plant X	X310	1034	1.10
84	5	Dalhart	1664	61	1.10
85	254	Soncy	7024	2101	1.10
86	74	Lockney Rural	3417	1111	1.10
87	93	Littlefield South	LI120	63	1.10
88	3	Parmer County	2465	22	1.09
89	203	Soncy	7020	860	1.08
90	211	Herring	1438	155	1.08
91	339	Fain	1105	28	1.07
92	38	Tascosa	1218	174	1.07
93	284	Riverview	R095	730	1.06
94	257	Perryton	1535	879	1.06
95	268	Allen	L520	746	1.05
96	232	Plainview South	P230	622	1.05
97	42	Conway	5005	1834	1.05
98	94	Dumas 19th Street	1470	2623	1.05
99	288	Allen	L510	708	1.04
100	292	Plainview City	P690	210	1.04
101	334	Slaton	SL150	1055	1.03

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
102	252	Plainview South	P220	1519	1.03
103	283	Riley	S500	42	1.02
104	125	Highland Park	5335	810	1.02
105	109	Stanton	L540	527	1.02
106	202	Sudan Rural	SR120	558	1.01
107	329	Hendrick	6685	1429	1.00
108	181	Perryton	1235	1340	1.00
109	135	Lockney Rural	3421	17	1.00
110	347	Soncy	7116	66	1.00
111	129	Burnett	1394	129	0.97
112	91	Plainview North	P270	142	0.95
113	143	Springlake	SO150	73	0.95
114	128	Lewters	L470	39	0.90
115	279	Whitharral	LV710	120	0.89
116	169	Plainview East	P180	110	0.89
117	189	Conway	5010	976	0.88
118	44	Bowers	2053	52	0.87
119	154	Irick	IB120	20	0.85
120	360	Olton	SO170	633	0.84
121	198	Kite	5B80	851	0.83
122	60	Bush	5205	1277	0.76
123	104	Estacado	5D15	1361	0.75
124	105	Doss	6670	1932	0.75
125	95	McLean Rural	5300	859	0.75
126	151	Canyon East	5190	1162	0.74
127	251	Kress Rural	KR140	147	0.73
128	209	Plainview West	P120	1756	0.73
129	234	Brisco	3457	10	0.70
130	7	Springcreek	1320	174	0.68
131	127	Flanagan	S550	40	0.68
132	320	Stanton	6430	946	0.65
133	117	Roxana	2334	207	0.65
134	134	Wildorado	2014	189	0.62
135	131	East Plant	A126	609	0.61
136	243	Muleshoe West	MR130	98	0.61
137	108	Dalhart	1298	1021	0.60
138	47	Yellowhouse	LV900	30	0.57
139	285	Murphy	7535	1572	0.55
140	260	Dawn	5A35	323	0.53
141	148	Fritch	1360	826	0.53
142	98	Manhattan	5135	655	0.50
143	322	Allen	L740	751	0.48
144	241	West Borger	1A15	1575	0.48
145	31	Kingsmill	5110	489	0.47
146	219	Kress Rural	KR110	369	0.47
147	35	Carlisle	6650	1240	0.46
148	89	Bowers	2057	541	0.46
149	224	Hastings	7082	1344	0.45
150	73	Arrowhead	5D80	225	0.44
151	63	Dimmitt East	DI180	390	0.43
152	51	Muleshoe East	MU630	296	0.42
153	99	Lyons	5C25	677	0.41
154	66	Friona Rural	2436	1621	0.40

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
155	14	Tokio	S800	103	0.40
156	159	Amherst	AM610	41	0.39
157	177	Littlefield City	LI620	166	0.37
158	123	Westridge	P460	457	0.37
159	180	South Georgia	2338	3292	0.37
160	141	34th Street	5B85	1717	0.36
161	328	Coble	LV835	252	0.35
162	259	Muleshoe West	MR140	688	0.34
163	182	Happy	7040	304	0.32
164	162	Cherry	5C10	835	0.31
165	207	Doss	S400	1275	0.31
166	101	Grave	7178	1524	0.31
167	149	Whitaker	5260	1362	0.31
168	270	Soncy	5130	1178	0.31
169	248	Centre Street	5310	1356	0.31
170	244	Allen	L750	521	0.30
171	52	Bush	5210	2185	0.29
172	264	Doud	6325	1361	0.29
173	272	Sudan Rural	SR110	120	0.28
174	160	Weatherly	1350	733	0.28
175	132	Hastings	7078	2953	0.28
176	34	Kingsmill	5115	1033	0.28
177	333	Southeast	5C80	383	0.27
178	88	Pacific	LV930	11	0.27
179	155	Wellman	S755	228	0.27
180	214	Wheelock	7375	568	0.27
181	342	Booker	422	212	0.27
182	157	Industrial	1416	706	0.26
183	246	Littlefield City	LI640	673	0.26
184	57	Lehman	LV510	240	0.25
185	208	South Georgia	5B40	2460	0.25
186	54	Roberts County	7010	564	0.25
187	133	Fritch	1364	2064	0.24
188	37	Farmers	5385	231	0.23
189	239	Indiana	7450	1210	0.23
190	1	Dalhart	1580	145	0.23
191	166	Denver City East	S100	1163	0.23
192	165	McCullough	7005	1506	0.22
193	167	Dumas 19th Street	1367	1772	0.22
194	271	South Georgia	2346	977	0.21
195	36	Kingsmill	5105	647	0.21
196	163	Littlefield South	LI110	1495	0.21
197	150	Stanton	6570	82	0.21
198	172	Wheelock	7365	1168	0.21
199	197	Parmer County	2475	796	0.21
200	103	Southeast	5C85	2416	0.20
201	102	Arrowhead	5D85	1428	0.20
202	25	Whiteface	LV210	154	0.20
203	33	Waterfield	2361	487	0.20
204	343	Palo Duro	5235	160	0.20
205	193	Highland Park	5325	312	0.20
206	287	Barwise	IB130	68	0.19
207	230	Lawrence Park	5030	733	0.19

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
208	261	Clutter	6620	1187	0.19
209	278	Littlefield City	LI610	617	0.18
210	170	Allen	L745	534	0.18
211	178	West Borger	1A20	815	0.18
212	190	Kite	7106	581	0.18
213	20	Perryton	1230	917	0.18
214	309	Happy	2326	360	0.18
215	301	Plainview South	P210	102	0.18
216	161	Centre Street	5305	2357	0.18
217	81	Vickers	6680	1588	0.18
218	325	Canyon West	5160	668	0.17
219	79	Bush	5215	1291	0.17
220	310	Canadian	325	406	0.17
221	225	Canyon West	7124	2244	0.17
222	NA	Bennett	S290	130	0.17
223	84	Lynn	6340	634	0.17
224	17	Etter Rural	5405	969	0.17
225	300	Puckett West	5C30	944	0.16
226	77	Batton	L624	717	0.16
227	226	Lawrence Park	5050	1056	0.16
228	40	Garza	6520	533	0.16
229	121	Whitaker	5270	1993	0.16
230	258	Levelland East	LV960	1083	0.16
231	223	Dimmitt South	DI120	255	0.15
232	113	Moss	6320	1845	0.15
233	274	Tenneco	S440	53	0.15
234	340	Dalhart	116	302	0.15
235	183	McCullough	7002	1458	0.14
236	80	Slaton	6600	525	0.14
237	250	34th Street	5B90	873	0.14
238	68	Lawrence Park	5275	1277	0.14
239	240	Batton	L650	239	0.13
240	269	Estacado	5D10	2590	0.13
241	217	Plainview North	P260	1559	0.13
242	302	Whitaker	5265	38	0.13
243	82	Kingsmill	5100	131	0.13
244	229	West Borger	1A10	914	0.13
245	327	Batton	L640	670	0.13
246	286	Estacado	5D20	544	0.13
247	55	Sherman County	1456	952	0.12
248	23	Littlefield West	LI156	259	0.12
249	191	Morton	M130	511	0.12
250	114	Manhattan	7160	1313	0.12
251	173	South Georgia	5B30	1399	0.12
252	236	Muleshoe Valley	MR150	340	0.12
253	106	Doud	6305	1142	0.12
254	65	Texaco	LV980	26	0.12
255	32	Booker	33-08	1228	0.11
256	136	Springcreek	1316	434	0.11
257	228	Hereford	2627	1697	0.11
258	205	Brisco	3434	560	0.11
259	304	Stanton	6410	644	0.11
260	277	Levelland City	LV190	2541	0.10

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
261	147	Lyons	5C20	1513	0.10
262	142	East Plant	A118	1704	0.10
263	64	Dimmitt East	DI150	963	0.09
264	352	Hart	HA120	628	0.09
265	295	Amherst	AM620	456	0.09
266	263	Olton	SO180	635	0.09
267	43	Kingsmill	5095	44	0.09
268	315	Slaton	SL140	1291	0.09
269	255	Hereford	2630	1185	0.09
270	344	Coulter	5280	798	0.08
271	27	Van Buren	7046	1729	0.08
272	276	Indiana	7440	37	0.08
273	156	Lawrence Park	5020	1471	0.08
274	350	Farwell	FA620	738	0.08
275	71	East Plant	A122	1326	0.08
276	174	Van Buren	7198	1778	0.07
277	293	Middleton	LV810	27	0.07
278	21	Whiteface	LV220	312	0.07
279	238	Plainview East	P160	573	0.07
280	59	Industrial	1412	805	0.07
281	297	Pierce	5B05	1016	0.07
282	118	McCullough	5085	1180	0.07
283	220	Denver City East	S110	1885	0.07
284	194	Stanton	6420	457	0.07
285	324	Spearman	302	642	0.07
286	130	Pierce	5B00	1140	0.06
287	16	Cedar Lake East	S910	33	0.06
288	70	Westridge	P450	1389	0.06
289	331	Garza	PO110	636	0.05
290	273	Canadian	350	227	0.05
291	146	Acco	L570	172	0.05
292	115	Garza	6500	504	0.05
293	67	Pierce	5B10	841	0.05
294	336	Canyon East	5185	452	0.05
295	256	34th Street	5B95	1974	0.05
296	96	Wheelock	7370	1255	0.05
297	NA	Bennett	S345	1117	0.05
298	212	Plainview City	P630	760	0.05
299	318	Morton	M120	765	0.05
300	195	Clutter	6630	335	0.04
301	275	Farwell	FA610	403	0.04
302	201	Canadian	340	426	0.04
303	215	Lawrence Park	5025	1740	0.04
304	267	Dalhart	108	363	0.04
305	145	Plainview West	P130	603	0.04
306	299	Carlisle	6635	701	0.04
307	332	Booker	421	187	0.04

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
308	312	Spearman	301	443	0.04
309	291	Dalhart	114	495	0.03
310	137	Kite	5075	1057	0.03
311	164	Wildorado	2018	257	0.03
312	314	Puckett West	5C35	1877	0.03
313	353	Ivory	L682	138	0.03
314	341	Tascosa	1222	37	0.03
315	359	Southland	SO110	115	0.03
316	253	Farmers	5390	2803	0.03
317	265	Plainview City	P620	433	0.03
318	NA	Estacado	5D65	762	0.02
319	289	Muleshoe City	MU610	571	0.02
320	281	Spearman	401	411	0.02
321	218	Murphy	7430	784	0.02
322	140	Riley	S510	127	0.02
323	266	Coulter	5285	1336	0.02
324	308	Muleshoe East	MU640	266	0.02
325	326	Batton	L622	611	0.02
326	8	Brownfield	6580	349	0.02
327	280	Plainview City	P680	100	0.02
328	338	Muleshoe City	MU620	737	0.02
329	316	Exell	1242	109	0.02
330	19	Allmon	AT120	658	0.02
331	262	Coulter	5290	1588	0.02
332	76	Sherman County	1448	807	0.02
333	306	Doud	6345	376	0.02
334	216	Van Buren	7044	940	0.02
335	97	Levelland East	LV950	410	0.01
336	168	South Georgia	2342	782	0.01
337	NA	Estacado	5D70	481	0.01
338	305	South Floydada	3547	823	0.01
339	249	Spearman	402	348	0.01
340	221	Perryton	1530	1040	0.01
341	185	Hendrick	6675	1657	0.01
342	110	Lynn	6300	976	0.01
343	354	Levelland City	LV520	210	0.00
344	72	Van Buren	7048	433	0.00
345	296	Puckett West	5C60	710	0.00
346	192	Booker	535	264	0.00
347	29	Hale Center	HR110	849	0.00
348	337	Tuco	N412	651	0.00
349	247	Dalhart	106	150	0.00
350	196	South Floydada	3551	33	0.00
351	335	Channing	450	230	0.00
352	345	Sunset	5D30	29	0.00
353	321	Van Buren	7190	68	0.00
354	313	Van Buren	7194	414	0.00
355	348	Bainer	BA601	14	0.00
356	111	Acco	L580	157	0.00
357	303	Plainview City	P670	235	0.00
358	294	Garza	PO120	595	0.00
359	357	Flanagan	S540	39	0.00
360	358	Adair	S790	15	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**

2004 SAIDI Ranking	2003 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIDI Value
1	271	County Line	CL110	21	2613.00
2	275	Barwise	IB140	65	1924.28
3	118	Carson County	7030	82	1491.12
4	80	Carson County	7034	97	1336.27
5	147	West Anton	3502	688	1037.73
6	58	Channing	1568	25	869.40
7	70	Riverview	R090	29	749.62
8	9	Mallet	LV120	16	698.13
9	251	Elwood	LV140	70	691.43
10	24	Spearman Int	1512	905	648.98
11	4	Herring	1434	1297	630.94
12	78	Vega	5170	646	622.46
13	216	Channing	1564	17	551.88
14	34	Pacific	LV940	72	551.56
15	33	Riverview	R100	429	507.32
16	355	Zavalla	LV790	13	438.85
17	111	Burnett	1394	129	433.94
18	109	Hastings	7086	659	412.19
19	114	Zavalla	LV780	23	395.96
20	65	Middleton	LV820	54	383.52
21	30	Moore Co	M060	127	379.49
22	230	Monroe	6610	517	373.31
23	331	Hendrick	6685	1429	340.05
24	37	Moore Co	M055	33	325.03
25	21	Dumas 19th Street	1498	27	318.15
26	116	Pullman	2A40	101	317.60
27	164	Conway	5010	976	316.21
28	104	Buffalo	5165	297	298.87
29	42	Farmers	5395	665	298.12
30	356	Lariat	MR110	100	292.94
31	17	Sherman County	1452	32	288.75
32	16	Springlake	SO140	54	272.43
33	87	Waterfield	2364	361	271.45
34	18	Boardman	S560	112	260.29
35	351	Hart	HA110	95	259.82
36	40	Sunset	5D35	211	252.05
37	336	Slaton	SL150	1055	248.02
38	269	Aiken Rural	LA110	112	241.13
39	195	Lockney Rural	LA150	86	215.38
40	63	Prentice	S875	40	213.70
41	5	Lehman	LV500	207	211.86
42	182	Hastings	7074	1673	208.04
43	334	Tuco	N404	889	204.06

## Service Quality Report to the Public Utility Commission of Texas

### **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
44	349	Diekemper	DE110	21	200.00
45	103	Plant X	X310	1034	199.80
46	53	Ivory	L680	86	197.03
47	6	Tascosa	1218	174	189.23
48	162	Kress Rural	KR120	148	184.05
49	72	Highland Park	5335	810	169.37
50	319	Canadian	335	182	168.93
51	54	Indiana	7465	35	164.97
52	183	Lockney Rural	LA140	97	159.18
53	121	Springlake	SO150	73	159.16
54	10	Exell	1238	158	152.79
55	235	Lawrence Park	5315	705	152.70
56	227	Soncy	7020	860	152.34
57	146	Herring	1438	155	151.93
58	13	Jaybee	S765	37	151.73
59	184	East Plant	A110	895	151.05
60	99	Planters	L710	838	150.13
61	188	Plainview East	P180	110	149.45
62	43	Etter Rural	5410	407	146.64
63	314	Wade	1420	63	142.30
64	163	Cherry	5C15	1108	139.79
65	276	Perryton	1535	879	137.07
66	360	Olton	SO170	633	136.88
67	15	Bowers	5090	149	136.37
68	300	Plainview East	P150	181	136.10
69	134	Allred	S140	53	134.11
70	106	Flanagan	S550	40	131.80
71	133	Roxana	2076	873	130.65
72	89	Dalhart	1246	1335	129.78
73	62	Allred	S180	112	128.89
74	292	Whitharral	LV710	120	123.78
75	44	Roxana	2334	207	122.42
76	8	Russell	S280	96	120.53
77	11	Doss	6660	294	117.86
78	122	Lewters	L470	39	113.46
79	150	Moss	6540	315	113.41
80	306	Canyon West	7128	3350	111.65
81	272	Riley	S500	42	111.07
82	185	Dimmitt South	DI110	312	110.45
83	81	Waterfield	2368	251	107.29
84	210	Sudan Rural	SR120	558	106.80
85	154	Westridge	P460	457	103.77
86	22	Friona Rural	2436	1621	95.73
87	279	Riverview	R095	730	95.62
88	57	Bowers	2057	541	93.81
89	339	Fain	1105	28	93.75
90	67	Allen	L505	111	88.41
91	140	Littlefield South	LI120	63	88.35

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

2004 SAIDI Ranking	2003 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIDI Value
92	318	Irick	IB110	55	87.65
93	55	Indiana	7480	1861	86.81
94	19	Springcreek	1320	174	85.90
95	263	Soncy	7024	2101	84.88
96	233	Ivory	L685	806	84.57
97	201	Perryton	1235	1340	84.00
98	315	Barwise	IB130	68	81.78
99	229	Littlefield City	LI630	306	79.85
100	29	Lawrence Park	5275	1277	77.48
101	234	Kress Rural	KR140	147	77.35
102	135	Estacado	5D15	1361	77.12
103	192	Doud	6480	1377	77.07
104	202	Irick	IB120	20	74.80
105	2	Tokio	S800	103	74.50
106	294	Plainview City	P690	210	74.24
107	139	Manhattan	7164	1285	73.36
108	95	Lyons	5C25	677	71.97
109	298	Allen	L510	708	71.44
110	199	Lockney Rural	3421	17	71.00
111	322	Allen	L740	751	70.56
112	47	Stanton	L540	527	68.70
113	180	Lynn	6510	316	68.05
114	221	Hastings	7082	1344	67.43
115	60	McLean Rural	5300	859	65.20
116	165	East Plant	A126	609	65.11
117	281	Plainview South	P220	1519	64.40
118	197	Highland Park	5325	312	64.34
119	203	Sudan Rural	SR110	120	63.82
120	153	Wildorado	2014	189	62.90
121	94	Arrowhead	5D80	225	62.89
122	248	Weatherly	1354	765	62.52
123	12	Dalhart	1664	61	62.13
124	101	South Georgia	5B35	1543	61.74
125	204	Canyon East	5190	1162	61.29
126	246	Murphy	7535	1572	60.50
127	1	Parmer County	2465	22	60.00
128	83	Manhattan	5135	655	59.76
129	112	Grave	7178	1524	57.91
130	321	Hale Center	HC610	370	56.01
131	161	Wellman	S755	228	55.32
132	265	Brisco	3457	10	54.60
133	105	Lockney Rural	3417	1111	53.38
134	157	Weatherly	1350	733	52.34
135	282	Plainview West	P110	1026	48.98
136	125	Muleshoe East	MU630	296	48.93
137	290	Middleton	LV810	27	48.85
138	100	Plainview North	P270	142	48.51
139	61	Dumas 19th Street	1470	2623	46.44

# Service Quality Report to the Public Utility Commission of Texas

## **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
140	256	Dawn	5A35	323	45.98
141	102	Doss	6670	1932	45.70
142	137	Whitaker	5260	1362	45.24
143	220	Plainview South	P230	622	44.69
144	107	Yellowhouse	LV900	30	44.33
145	214	South Georgia	5B40	2460	43.96
146	181	Doud	6325	1361	43.59
147	187	Levelland City	LV180	2658	42.92
148	52	Carlisle	6650	1240	41.88
149	198	South Georgia	2338	3292	41.21
150	176	Industrial	1416	706	40.54
151	48	Kingsmill	5110	489	40.23
152	98	Bush	5205	1277	39.86
153	288	Canadian	325	406	38.87
154	232	Kite	5B80	851	37.82
155	250	Kress Rural	KR110	369	36.66
156	126	Fritch	1360	826	35.29
157	152	Littlefield South	LI110	1495	35.22
158	69	Arrowhead	5D85	1428	34.76
159	312	Southeast	5C80	383	34.46
160	286	Lynn	6340	634	33.80
161	238	Muleshoe West	MR140	688	33.71
162	86	Roberts County	7010	564	33.41
163	28	Doss	S410	159	33.40
164	328	Spearman	302	642	33.27
165	191	Wheelock	7375	568	32.95
166	222	Plainview West	P120	1756	32.84
167	25	Lehman	LV510	240	32.76
168	23	Kingsmill	5105	647	31.40
169	66	Batton	L624	717	30.84
170	90	Bush	5210	2185	30.66
171	117	Stanton	6570	82	29.84
172	215	Doss	S400	1275	29.56
173	35	Bowers	2053	52	29.12
174	268	Muleshoe West	MR130	98	28.95
175	97	Conway	5005	1834	28.26
176	193	Boardman	S430	48	27.85
177	167	34th Street	5B85	1717	27.74
178	128	Manhattan	7160	1313	27.53
179	342	Booker	422	212	26.89
180	91	Southeast	5C85	2416	25.96
181	242	Happy	7040	304	25.50
182	226	Amherst	AM610	41	25.07
183	347	Soncy	7116	66	25.00
184	189	Allen	L750	521	24.57
185	7	Whiteface	LV210	154	24.22
186	340	Dalhart	116	302	24.05
187	208	34th Street	5B90	873	23.63

## Service Quality Report to the Public Utility Commission of Texas

### **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
188	284	Batton	L650	239	23.57
189	120	Cherry	5C10	835	23.32
190	141	Indiana	7450	1210	23.12
191	200	South Georgia	2346	977	23.06
192	212	West Borger	1A15	1575	22.58
193	155	Wheelock	7365	1168	22.45
194	346	Slaton	6690	803	22.25
195	179	West Borger	1A20	815	22.17
196	258	Clutter	6620	1187	21.71
197	136	Hastings	7078	2953	21.34
198	108	Dalhart	1298	1021	20.59
199	178	Bush	5215	1291	20.22
200	297	Stanton	6430	946	19.72
201	160	Denver City East	S100	1163	19.66
202	45	Vickers	6680	1588	19.30
203	96	Booker	33-08	1228	18.85
204	129	Pierce	5B00	1140	18.73
205	213	Van Buren	7198	1778	18.68
206	166	Fritch	1364	2064	18.57
207	168	Tenneco	S440	53	18.40
208	231	Centre Street	5310	1356	18.26
209	50	Waterfield	2361	487	18.26
210	131	Whitaker	5270	1993	18.24
211	124	Moss	6320	1845	17.89
212	177	Dumas 19th Street	1367	1772	17.83
213	270	Estacado	5D10	2590	17.78
214	NA	Bennett	S290	130	17.71
215	3	Dalhart	1580	145	17.57
216	245	Lawrence Park	5050	1056	17.53
217	305	Littlefield City	LI610	617	17.37
218	76	Texaco	LV980	26	16.81
219	223	Parmer County	2475	796	15.99
220	170	Wildorado	2018	257	15.63
221	151	Dumas 19th Street	1371	1015	15.33
222	75	Slaton	6600	525	15.23
223	343	Palo Duro	5235	160	15.19
224	254	Stanton	6410	644	14.85
225	209	McCullough	7002	1458	14.54
226	68	Farmers	5385	231	14.52
227	267	Allen	L520	746	14.30
228	36	East Plant	A122	1326	13.95
229	303	Puckett West	5C30	944	13.81
230	158	Allen	L745	534	13.72
231	14	Etter Rural	5405	969	13.50
232	46	Perryton	1230	917	13.29
233	39	Dimmitt East	DI180	390	13.19
234	130	Littlefield City	LI620	166	12.93
235	190	West Borger	1A10	914	12.84

# Service Quality Report to the Public Utility Commission of Texas

## **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
236	205	Clutter	6630	335	12.65
237	301	Soncy	5130	1178	11.93
238	344	Coulter	5280	798	11.64
239	239	Littlefield City	LI640	673	11.46
240	228	Lawrence Park	5030	733	11.43
241	169	South Georgia	5B30	1399	11.32
242	93	Van Buren	7046	1729	11.13
243	236	Dimmitt South	DI120	255	10.96
244	113	Lawrence Park	5020	1471	10.68
245	149	East Plant	A118	1704	10.60
246	277	Levelland City	LV190	2541	10.60
247	247	Olton	SO180	635	10.41
248	194	Plainview North	P260	1559	10.33
249	352	Hart	HA120	628	10.25
250	296	Estacado	5D20	544	10.22
251	206	Morton	M130	511	10.08
252	330	Coble	LV835	252	10.08
253	172	Stanton	6420	457	9.96
254	77	Kingsmill	5115	1033	9.91
255	243	Lawrence Park	5025	1740	9.80
256	350	Farwell	FA620	738	9.77
257	266	Coulter	5285	1336	9.76
258	74	Sherman County	1456	952	9.66
259	324	Slaton	SL140	1291	9.36
260	27	Whiteface	LV220	312	9.24
261	304	Whitaker	5265	38	9.08
262	299	Happy	2326	360	9.04
263	261	Plainview East	P160	573	8.91
264	31	Cedar Lake East	S910	33	8.88
265	218	Amherst	AM620	456	8.72
266	32	Garza	6520	533	8.30
267	285	Indiana	7440	37	8.30
268	207	Canyon West	7124	2244	8.20
269	84	Doud	6305	1142	8.12
270	329	Canyon West	5160	668	7.78
271	159	Denver City East	S110	1885	7.72
272	148	Industrial	1412	805	7.69
273	237	Farwell	FA610	403	7.68
274	175	McCullough	7005	1506	7.50
275	302	Pierce	5B05	1016	7.28
276	82	Pacific	LV930	11	7.27
277	224	Muleshoe Valley	MR150	340	7.18
278	142	Centre Street	5305	2357	7.05
279	295	Plainview South	P210	102	6.81
280	327	Batton	L640	670	6.71
281	145	McCullough	5085	1180	6.69
282	186	Plainview West	P130	603	6.28
283	127	Springcreek	1316	434	6.22

# Service Quality Report to the Public Utility Commission of Texas

## **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
284	41	Dimmitt East	DI150	963	5.97
285	244	Hereford	2627	1697	5.92
286	123	Hereford	2630	1185	5.75
287	64	Garza	6500	504	5.34
288	143	Acco	L570	172	5.08
289	73	Kingsmill	5100	131	5.03
290	252	Levelland East	LV960	1083	4.96
291	20	Littlefield West	LI156	259	4.78
292	264	Brisco	3434	560	4.67
293	132	Kite	7106	581	4.65
294	NA	Bennett	S345	1117	4.58
295	325	Booker	421	187	4.53
296	119	Wheelock	7370	1255	4.53
297	274	Puckett West	5C35	1877	4.31
298	240	Coulter	5290	1588	4.23
299	311	Spearman	301	443	4.08
300	308	Morton	M120	765	4.06
301	79	Pierce	5B10	841	3.98
302	249	34th Street	5B95	1974	3.80
303	291	Carlisle	6635	701	3.72
304	353	Ivory	L682	138	3.71
305	173	South Georgia	2342	782	3.53
306	NA	Estacado	5D70	481	3.51
307	71	Westridge	P450	1389	3.42
308	316	Garza	PO110	636	3.10
309	289	Spearman	401	411	2.94
310	255	Spearman	402	348	2.89
311	26	Brownfield	6580	349	2.88
312	211	Lyons	5C20	1513	2.75
313	92	Sherman County	1448	807	2.62
314	85	Kingsmill	5095	44	2.59
315	359	Southland	SO110	115	2.56
316	287	Canadian	350	227	2.53
317	253	Plainview City	P630	760	2.45
318	262	Farmers	5390	2803	2.45
319	225	Canadian	340	426	2.29
320	310	Muleshoe City	MU610	571	2.29
321	335	Canyon East	5185	452	2.21
322	326	Muleshoe East	MU640	266	2.03
323	110	Riley	S510	127	2.01
324	138	Kite	5075	1057	1.83
325	332	Batton	L622	611	1.67
326	59	Levelland East	LV950	410	1.54
327	51	Allmon	AT120	658	1.52
328	341	Tascosa	1222	37	1.49
329	280	Plainview City	P620	433	1.43
330	283	Plainview City	P680	100	1.35
331	196	Van Buren	7044	940	1.23

## Service Quality Report to the Public Utility Commission of Texas

### **Xcel Energy**

<b>2004 SAIDI Ranking</b>	<b>2003 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2004 SAIDI Value</b>
332	317	Exell	1242	109	1.19
333	259	Dalhart	108	363	1.15
334	323	Dalhart	114	495	1.11
335	217	Murphy	7430	784	1.05
336	NA	Estacado	5D65	762	1.03
337	338	Muleshoe City	MU620	737	0.81
338	313	Doud	6345	376	0.77
339	260	Perryton	1530	1040	0.69
340	156	Van Buren	7048	433	0.62
341	293	South Floydada	3547	823	0.53
342	354	Levelland City	LV520	210	0.43
343	219	Hendrick	6675	1657	0.32
344	56	Hale Center	HR110	849	0.30
345	38	Lynn	6300	976	0.23
346	273	Puckett West	5C60	710	0.19
347	337	Tuco	N412	651	0.14
348	241	Booker	535	264	0.09
349	257	Dalhart	106	150	0.00
350	278	South Floydada	3551	33	0.00
351	333	Channing	450	230	0.00
352	345	Sunset	5D30	29	0.00
353	320	Van Buren	7190	68	0.00
354	309	Van Buren	7194	414	0.00
355	348	Bainer	BA601	14	0.00
356	115	Acco	L580	157	0.00
357	307	Plainview City	P670	235	0.00
358	171	Garza	PO120	595	0.00
359	357	Flanagan	S540	39	0.00
360	358	Adair	S790	15	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.

2004 Reporting Year

<b>Causes of Forced Interruptions</b>	<b>Percentage</b>
Weather (Including Lightning)	54.07%
Vegetation	2.37%
Animals and Birds	3.23%
People (Including cars and farm equip)	17.02%
Utility-owned Equipment	15.67%
Other	3.48%
Unknown	4.16%
	100.00%