



Control Number: 30613



Item Number: 15

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

2006 FEB 28 PM 4:33

Xcel Energy

Second Revised Report

Project 30613

000001

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 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
Scheduled 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
Outside Causes 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
Major Events 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

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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 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
Scheduled 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
Outside Causes 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
Major Events 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

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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	277	County Line	CL110	21	7.05
2	218	Channing	1564	17	5.71
3	10	Herring	1434	1297	5.37
4	181	West Anton	3502	688	4.51
5	54	Spearman Int	1512	905	4.18
6	86	Channing	1568	25	4.12
7	47	Vega	5170	646	3.74
8	300	Canyon West	7128	3350	3.37
9	204	Barwise	IB140	65	3.28
10	284	Monroe	6610	517	3.24
11	3	Indiana	7465	35	3.20
12	314	Canadian	335	182	3.13
13	24	Etter Rural	5410	407	3.07
14	83	Pullman	2A40	101	3.05
15	137	Dalhart	1246	1335	2.96
16	175	East Plant	A110	895	2.84
17	178	Kress Rural	KR120	148	2.74
18	343	Diekemper	DE110	21	2.67
19	242	Aiken Rural	LA110	112	2.58
20	51	Farmers	5395	665	2.52
21	207	Hastings	7074	1673	2.52
22	11	Dumas 19th Street	1498	27	2.48
23	67	Mallet	LV120	16	2.38
24	13	Russell	S280	96	2.31
25	22	Moore Co	M060	127	2.29
26	12	Boardman	S560	112	2.29
27	124	Hastings	7086	659	2.29
28	338	Zavalla	LV790	13	2.23
29	197	Doud	6480	1377	2.23
30	233	Weatherly	1354	765	2.16
31	110	Waterfield	2364	361	2.15
32	5	Doss	6660	294	2.15
33	90	Allred	S180	112	2.14
34	60	Indiana	7480	1861	2.14
35	2	Bowers	5090	149	2.13
36	231	Elwood	LV140	70	2.11
37	14	Springlake	SO140	54	2.07
38	323	Tuco	N404	889	2.06
39	210	Littlefield City	LI630	306	2.06
40	118	Buffalo	5165	297	2.04
41	7	Sherman County	1452	32	2.03
42	138	Allred	S140	53	2.02
43	81	Lynn	6510	316	2.01

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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
44	85	Allen	L505	111	2.00
45	73	Pacific	LV940	72	1.97
46	44	Middleton	LV820	54	1.94
47	19	Moore Co	M055	33	1.94
48	317	Hale Center	HC610	370	1.93
49	122	Prentice	S875	40	1.93
50	88	Zavalla	LV780	23	1.87
51	117	Riverview	R090	29	1.86
52	114	Carson County	7030	82	1.79
53	16	Lehman	LV500	207	1.74
54	40	Jaybee	S765	37	1.70
55	185	Cherry	5C15	1108	1.66
56	105	Riverview	R100	429	1.64
57	143	Moss	6540	315	1.63
58	170	Planters	L710	838	1.62
59	292	Wade	1420	63	1.60
60	56	Waterfield	2368	251	1.60
61	184	Dimmitt South	DI110	312	1.46
62	227	Ivory	L685	806	1.44
63	28	Doss	S410	159	1.43
64	223	Lockney Rural	LA140	97	1.37
65	120	Ivory	L680	86	1.34
66	363	Hart	HA110	95	1.29
67	311	Irick	IB110	55	1.29
68	59	South Georgia	5B35	1543	1.27
69	336	Lariat	MR110	100	1.24
70	38	Exell	1238	158	1.20
71	158	Carson County	7034	97	1.20
72	359	Slaton	6690	803	1.19
73	201	Lockney Rural	LA150	86	1.17
74	76	Sunset	5D35	211	1.17
75	229	Lawrence Park	5315	705	1.17
76	153	Roxana	2076	873	1.16
77	46	Manhattan	7164	1285	1.14
78	151	Dumas 19th Street	1371	1015	1.13
79	183	Levelland City	LV180	2658	1.13
80	196	Boardman	S430	48	1.13
81	238	Plainview West	P110	1026	1.12
82	304	Plainview East	P150	181	1.11
83	26	Plant X	X310	1034	1.10
84	6	Dalhart	1664	61	1.10
85	250	Soncy	7024	2101	1.10
86	72	Lockney Rural	3417	1111	1.10
87	91	Littlefield South	LI120	63	1.10
88	4	Parmer County	2465	22	1.09
89	202	Soncy	7020	860	1.08
90	208	Herring	1438	155	1.08
91	358	Fain	1105	28	1.07

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2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
92	37	Tascosa	1218	174	1.07
93	278	Riverview	R095	730	1.06
94	353	Perryton	1535	879	1.06
95	263	Allen	L520	746	1.05
96	228	Plainview South	P230	622	1.05
97	41	Conway	5005	1834	1.05
98	92	Dumas 19th Street	1470	2623	1.05
99	282	Allen	L510	708	1.04
100	286	Plainview City	P690	210	1.04
101	326	Slaton	SL150	1055	1.03
102	248	Plainview South	P220	1519	1.03
103	276	Riley	S500	42	1.02
104	123	Highland Park	5335	810	1.02
105	107	Stanton	L540	527	1.02
106	200	Sudan Rural	SR120	558	1.01
107	322	Hendrick	6685	1429	1.00
108	355	Perryton	1235	1340	1.00
109	134	Lockney Rural	3421	17	1.00
110	345	Soncy	7116	66	1.00
111	127	Burnett	1394	129	0.97
112	89	Plainview North	P270	142	0.95
113	142	Springlake	SO150	73	0.95
114	126	Lewters	L470	39	0.90
115	273	Whitharral	LV710	120	0.89
116	168	Plainview East	P180	110	0.89
117	186	Conway	5010	976	0.88
118	43	Bowers	2053	52	0.87
119	154	Irick	IB120	20	0.85
120	331	Olton	SO170	633	0.84
121	195	Kite	5B80	851	0.83
122	58	Bush	5205	1277	0.76
123	102	Estacado	5D15	1361	0.75
124	103	Doss	6670	1932	0.75
125	93	McLean Rural	5300	859	0.75
126	150	Canyon East	5190	1162	0.74
127	247	Kress Rural	KR140	147	0.73
128	206	Plainview West	P120	1756	0.73
129	230	Brisco	3457	10	0.70
130	8	Springcreek	1320	174	0.68
131	125	Flanagan	S550	40	0.68
132	313	Stanton	6430	946	0.65
133	115	Roxana	2334	207	0.65
134	133	Wildorado	2014	189	0.62
135	130	East Plant	A126	609	0.61
136	240	Muleshoe West	MR130	98	0.61
137	106	Dalhart	1298	1021	0.60
138	45	Yellowhouse	LV900	30	0.57
139	279	Murphy	7535	1572	0.55

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Service Quality Report to the Public Utility Commission of Texas

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2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
140	255	Dawn	5A35	323	0.53
141	146	Fritch	1360	826	0.53
142	96	Manhattan	5135	655	0.50
143	316	Allen	L740	751	0.48
144	237	West Borger	1A15	1575	0.48
145	31	Kingsmill	5110	489	0.47
146	216	Kress Rural	KR110	369	0.47
147	34	Carlisle	6650	1240	0.46
148	87	Bowers	2057	541	0.46
149	219	Hastings	7082	1344	0.45
150	71	Arrowhead	5D80	225	0.44
151	61	Dimmitt East	DI180	390	0.43
152	49	Muleshoe East	MU630	296	0.42
153	97	Lyons	5C25	677	0.41
154	64	Friona Rural	2436	1621	0.40
155	15	Tokio	S800	103	0.40
156	159	Amherst	AM610	41	0.39
157	176	Littlefield City	LI620	166	0.37
158	121	Westridge	P460	457	0.37
159	152	South Georgia	2338	3292	0.37
160	140	34th Street	5B85	1717	0.36
161	171	Coble	LV835	252	0.35
162	254	Muleshoe West	MR140	688	0.34
163	179	Happy	7040	304	0.32
164	162	Cherry	5C10	835	0.31
165	199	Doss	S400	1275	0.31
166	99	Grave	7178	1524	0.31
167	148	Whitaker	5260	1362	0.31
168	265	Soncy	5130	1178	0.31
169	244	Centre Street	5310	1356	0.31
170	241	Allen	L750	521	0.30
171	50	Bush	5210	2185	0.29
172	259	Doud	6325	1361	0.29
173	267	Sudan Rural	SR110	120	0.28
174	160	Weatherly	1350	733	0.28
175	131	Hastings	7078	2953	0.28
176	33	Kingsmill	5115	1033	0.28
177	325	Southeast	5C80	383	0.27
178	84	Pacific	LV930	11	0.27
179	155	Wellman	S755	228	0.27
180	211	Wheelock	7375	568	0.27
181	349	Booker	422	212	0.27
182	157	Industrial	1416	706	0.26
183	239	Littlefield City	LI640	673	0.26
184	55	Lehman	LV510	240	0.25
185	205	South Georgia	5B40	2460	0.25
186	52	Roberts County	7010	564	0.25
187	132	Fritch	1364	2064	0.24

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2004 SAIFI Ranking	2003 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2004 SAIFI Value
188	36	Farmers	5385	231	0.23
189	235	Indiana	7450	1210	0.23
190	1	Dalhart	1580	145	0.23
191	129	Denver City East	S100	1163	0.23
192	164	McCullough	7005	1506	0.22
193	166	Dumas 19th Street	1367	1772	0.22
194	266	South Georgia	2346	977	0.21
195	35	Kingsmill	5105	647	0.21
196	163	Littlefield South	LI110	1495	0.21
197	149	Stanton	6570	82	0.21
198	222	Wheelock	7365	1168	0.21
199	194	Parmer County	2475	796	0.21
200	101	Southeast	5C85	2416	0.20
201	100	Arrowhead	5D85	1428	0.20
202	25	Whiteface	LV210	154	0.20
203	32	Waterfield	2361	487	0.20
204	348	Palo Duro	5235	160	0.20
205	189	Highland Park	5325	312	0.20
206	280	Barwise	IB130	68	0.19
207	226	Lawrence Park	5030	733	0.19
208	256	Clutter	6620	1187	0.19
209	272	Littlefield City	LI610	617	0.18
210	169	Allen	L745	534	0.18
211	177	West Borger	1A20	815	0.18
212	187	Kite	7106	581	0.18
213	356	Perryton	1230	917	0.18
214	302	Happy	2326	360	0.18
215	295	Plainview South	P210	102	0.18
216	161	Centre Street	5305	2357	0.18
217	79	Vickers	6680	1588	0.18
218	319	Canyon West	5160	668	0.17
219	77	Bush	5215	1291	0.17
220	303	Canadian	325	406	0.17
221	220	Canyon West	7124	2244	0.17
222	NA	Bennett	S290	130	0.17
223	82	Lynn	6340	634	0.17
224	18	Etter Rural	5405	969	0.17
225	294	Puckett West	5C30	944	0.16
226	75	Batton	L624	717	0.16
227	221	Lawrence Park	5050	1056	0.16
228	39	Garza	6520	533	0.16
229	119	Whitaker	5270	1993	0.16
230	253	Levelland East	LV960	1083	0.16
231	217	Dimmitt South	DI120	255	0.15
232	111	Moss	6320	1845	0.15
233	269	Tenneco	S440	53	0.15
234	357	Dalhart	116	302	0.15
235	180	McCullough	7002	1458	0.14

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
236	78	Slaton	6600	525	0.14
237	246	34th Street	5B90	873	0.14
238	66	Lawrence Park	5275	1277	0.14
239	236	Batton	L650	239	0.13
240	264	Estacado	5D10	2590	0.13
241	214	Plainview North	P260	1559	0.13
242	296	Whitaker	5265	38	0.13
243	80	Kingsmill	5100	131	0.13
244	225	West Borger	1A10	914	0.13
245	321	Batton	L640	670	0.13
246	281	Estacado	5D20	544	0.13
247	53	Sherman County	1456	952	0.12
248	23	Littlefield West	LI156	259	0.12
249	188	Morton	M130	511	0.12
250	112	Manhattan	7160	1313	0.12
251	172	South Georgia	5B30	1399	0.12
252	232	Muleshoe Valley	MR150	340	0.12
253	104	Doud	6305	1142	0.12
254	63	Texaco	LV980	26	0.12
255	351	Booker	33-08	1228	0.11
256	135	Springcreek	1316	434	0.11
257	224	Hereford	2627	1697	0.11
258	203	Brisco	3434	560	0.11
259	308	Stanton	6410	644	0.11
260	271	Levelland City	LV190	2541	0.10
261	147	Lyons	5C20	1513	0.10
262	141	East Plant	A118	1704	0.10
263	62	Dimmitt East	DI150	963	0.09
264	362	Hart	HA120	628	0.09
265	289	Amherst	AM620	456	0.09
266	258	Olton	SO180	635	0.09
267	42	Kingsmill	5095	44	0.09
268	309	Slaton	SL140	1291	0.09
269	251	Hereford	2630	1185	0.09
270	360	Coulter	5280	798	0.08
271	27	Van Buren	7046	1729	0.08
272	270	Indiana	7440	37	0.08
273	156	Lawrence Park	5020	1471	0.08
274	341	Farwell	FA620	738	0.08
275	69	East Plant	A122	1326	0.08
276	173	Van Buren	7198	1778	0.07
277	287	Middleton	LV810	27	0.07
278	21	Whiteface	LV220	312	0.07
279	234	Plainview East	P160	573	0.07
280	57	Industrial	1412	805	0.07
281	291	Pierce	5B05	1016	0.07
282	116	McCullough	5085	1180	0.07
283	193	Denver City East	S110	1885	0.07

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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
284	190	Stanton	6420	457	0.07
285	318	Spearman	302	642	0.07
286	128	Pierce	5B00	1140	0.06
287	17	Cedar Lake East	S910	33	0.06
288	68	Westridge	P450	1389	0.06
289	324	Garza	PO110	636	0.05
290	268	Canadian	350	227	0.05
291	145	Acco	L570	172	0.05
292	113	Garza	6500	504	0.05
293	65	Pierce	5B10	841	0.05
294	328	Canyon East	5185	452	0.05
295	252	34th Street	5B95	1974	0.05
296	94	Wheelock	7370	1255	0.05
297	NA	Bennett	S345	1117	0.05
298	209	Plainview City	P630	760	0.05
299	312	Morton	M120	765	0.05
300	191	Clutter	6630	335	0.04
301	342	Farwell	FA610	403	0.04
302	198	Canadian	340	426	0.04
303	212	Lawrence Park	5025	1740	0.04
304	262	Dalhart	108	363	0.04
305	144	Plainview West	P130	603	0.04
306	293	Carlisle	6635	701	0.04
307	350	Booker	421	187	0.04
308	305	Spearman	301	443	0.04
309	285	Dalhart	114	495	0.03
310	136	Kite	5075	1057	0.03
311	165	Wildorado	2018	257	0.03
312	307	Puckett West	5C35	1877	0.03
313	340	Ivory	L682	138	0.03
314	361	Tascosa	1222	37	0.03
315	332	Southland	SO110	115	0.03
316	249	Farmers	5390	2803	0.03
317	260	Plainview City	P620	433	0.03
318	NA	Estacado	5D65	762	0.02
319	283	Muleshoe City	MU610	571	0.02
320	275	Spearman	401	411	0.02
321	215	Murphy	7430	784	0.02
322	139	Riley	S510	127	0.02
323	261	Coulter	5285	1336	0.02
324	301	Muleshoe East	MU640	266	0.02
325	320	Batton	L622	611	0.02
326	9	Brownfield	6580	349	0.02
327	274	Plainview City	P680	100	0.02
328	330	Muleshoe City	MU620	737	0.02
329	310	Exell	1242	109	0.02
330	20	Allmon	AT120	658	0.02
331	257	Coulter	5290	1588	0.02

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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
332	74	Sherman County	1448	807	0.02
333	299	Doud	6345	376	0.02
334	213	Van Buren	7044	940	0.02
335	95	Levelland East	LV950	410	0.01
336	167	South Georgia	2342	782	0.01
337	NA	Estacado	5D70	481	0.01
338	298	South Floydada	3547	823	0.01
339	245	Spearman	402	348	0.01
340	354	Perryton	1530	1040	0.01
341	182	Hendrick	6675	1657	0.01
342	108	Lynn	6300	976	0.01
343	339	Levelland City	LV520	210	0.00
344	70	Van Buren	7048	433	0.00
345	290	Puckett West	5C60	710	0.00
346	347	Booker	535	264	0.00
347	29	Hale Center	HR110	849	0.00
348	329	Tuco	N412	651	0.00
349	243	Dalhart	106	150	0.00
350	192	South Floydada	3551	33	0.00
351	327	Channing	450	230	0.00
352	346	Sunset	5D30	29	0.00
353	315	Van Buren	7190	68	0.00
354	306	Van Buren	7194	414	0.00
355	344	Bainer	BA601	14	0.00
356	109	Acco	L580	157	0.00
357	297	Plainview City	P670	235	0.00
358	288	Garza	PO120	595	0.00
359	334	Flanagan	S540	39	0.00
360	333	Adair	S790	15	0.00

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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	266	County Line	CL110	21	2613.00
2	270	Barwise	IB140	65	1924.28
3	117	Carson County	7030	82	1491.12
4	79	Carson County	7034	97	1336.27
5	147	West Anton	3502	688	1037.73
6	57	Channing	1568	25	869.40
7	69	Riverview	R090	29	749.62
8	10	Mallet	LV120	16	698.13
9	247	Elwood	LV140	70	691.43
10	25	Spearman Int	1512	905	648.98
11	5	Herring	1434	1297	630.94
12	77	Vega	5170	646	622.46
13	214	Channing	1564	17	551.88
14	35	Pacific	LV940	72	551.56
15	34	Riverview	R100	429	507.32
16	356	Zavalla	LV790	13	438.85
17	109	Burnett	1394	129	433.94
18	107	Hastings	7086	659	412.19
19	112	Zavalla	LV780	23	395.96
20	64	Middleton	LV820	54	383.52
21	31	Moore Co	M060	127	379.49
22	228	Monroe	6610	517	373.31
23	323	Hendrick	6685	1429	340.05
24	38	Moore Co	M055	33	325.03
25	22	Dumas 19th Street	1498	27	318.15
26	115	Pullman	2A40	101	317.60
27	162	Conway	5010	976	316.21
28	102	Buffalo	5165	297	298.87
29	43	Farmers	5395	665	298.12
30	358	Lariat	MR110	100	292.94
31	18	Sherman County	1452	32	288.75
32	17	Springlake	SO140	54	272.43
33	86	Waterfield	2364	361	271.45
34	19	Boardman	S560	112	260.29
35	352	Hart	HA110	95	259.82
36	41	Sunset	5D35	211	252.05
37	328	Slaton	SL150	1055	248.02
38	264	Aiken Rural	LA110	112	241.13
39	194	Lockney Rural	LA150	86	215.38
40	62	Prentice	S875	40	213.70
41	6	Lehman	LV500	207	211.86
42	180	Hastings	7074	1673	208.04
43	326	Tuco	N404	889	204.06

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
44	349	Diekemper	DE110	21	200.00
45	101	Plant X	X310	1034	199.80
46	53	Ivory	L680	86	197.03
47	7	Tascosa	1218	174	189.23
48	160	Kress Rural	KR120	148	184.05
49	71	Highland Park	5335	810	169.37
50	313	Canadian	335	182	168.93
51	2	Indiana	7465	35	164.97
52	181	Lockney Rural	LA140	97	159.18
53	120	Springlake	SO150	73	159.16
54	11	Exell	1238	158	152.79
55	234	Lawrence Park	5315	705	152.70
56	225	Soncy	7020	860	152.34
57	146	Herring	1438	155	151.93
58	14	Jaybee	S765	37	151.73
59	182	East Plant	A110	895	151.05
60	97	Planters	L710	838	150.13
61	186	Plainview East	P180	110	149.45
62	44	Etter Rural	5410	407	146.64
63	308	Wade	1420	63	142.30
64	161	Cherry	5C15	1108	139.79
65	337	Perryton	1535	879	137.07
66	363	Olton	SO170	633	136.88
67	16	Bowers	5090	149	136.37
68	294	Plainview East	P150	181	136.10
69	134	Allred	S140	53	134.11
70	104	Flanagan	S550	40	131.80
71	133	Roxana	2076	873	130.65
72	88	Dalhart	1246	1335	129.78
73	61	Allred	S180	112	128.89
74	286	Whitharral	LV710	120	123.78
75	45	Roxana	2334	207	122.42
76	9	Russell	S280	96	120.53
77	12	Doss	6660	294	117.86
78	122	Lewters	L470	39	113.46
79	151	Moss	6540	315	113.41
80	300	Canyon West	7128	3350	111.65
81	267	Riley	S500	42	111.07
82	183	Dimmitt South	DI110	312	110.45
83	80	Waterfield	2368	251	107.29
84	208	Sudan Rural	SR120	558	106.80
85	155	Westridge	P460	457	103.77
86	23	Friona Rural	2436	1621	95.73
87	273	Riverview	R095	730	95.62
88	56	Bowers	2057	541	93.81
89	331	Fain	1105	28	93.75
90	66	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	312	Irick	IB110	55	87.65
93	54	Indiana	7480	1861	86.81
94	20	Springcreek	1320	174	85.90
95	258	Soncy	7024	2101	84.88
96	230	Ivory	L685	806	84.57
97	335	Perryton	1235	1340	84.00
98	309	Barwise	IB130	68	81.78
99	227	Littlefield City	LI630	306	79.85
100	30	Lawrence Park	5275	1277	77.48
101	233	Kress Rural	KR140	147	77.35
102	135	Estacado	5D15	1361	77.12
103	190	Doud	6480	1377	77.07
104	199	Irick	IB120	20	74.80
105	3	Tokio	S800	103	74.50
106	289	Plainview City	P690	210	74.24
107	138	Manhattan	7164	1285	73.36
108	94	Lyons	5C25	677	71.97
109	292	Allen	L510	708	71.44
110	197	Lockney Rural	3421	17	71.00
111	316	Allen	L740	751	70.56
112	47	Stanton	L540	527	68.70
113	178	Lynn	6510	316	68.05
114	219	Hastings	7082	1344	67.43
115	59	McLean Rural	5300	859	65.20
116	163	East Plant	A126	609	65.11
117	275	Plainview South	P220	1519	64.40
118	196	Highland Park	5325	312	64.34
119	200	Sudan Rural	SR110	120	63.82
120	154	Wildorado	2014	189	62.90
121	93	Arrowhead	5D80	225	62.89
122	244	Weatherly	1354	765	62.52
123	13	Dalhart	1664	61	62.13
124	99	South Georgia	5B35	1543	61.74
125	202	Canyon East	5190	1162	61.29
126	242	Murphy	7535	1572	60.50
127	1	Parmer County	2465	22	60.00
128	82	Manhattan	5135	655	59.76
129	110	Grave	7178	1524	57.91
130	315	Hale Center	HC610	370	56.01
131	159	Wellman	S755	228	55.32
132	260	Brisco	3457	10	54.60
133	103	Lockney Rural	3417	1111	53.38
134	157	Weatherly	1350	733	52.34
135	276	Plainview West	P110	1026	48.98
136	124	Muleshoe East	MU630	296	48.93
137	284	Middleton	LV810	27	48.85
138	98	Plainview North	P270	142	48.51
139	60	Dumas 19th Street	1470	2623	46.44

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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
140	251	Dawn	5A35	323	45.98
141	100	Doss	6670	1932	45.70
142	136	Whitaker	5260	1362	45.24
143	218	Plainview South	P230	622	44.69
144	105	Yellowhouse	LV900	30	44.33
145	213	South Georgia	5B40	2460	43.96
146	179	Doud	6325	1361	43.59
147	185	Levelland City	LV180	2658	42.92
148	52	Carlisle	6650	1240	41.88
149	148	South Georgia	2338	3292	41.21
150	174	Industrial	1416	706	40.54
151	48	Kingsmill	5110	489	40.23
152	96	Bush	5205	1277	39.86
153	282	Canadian	325	406	38.87
154	231	Kite	5B80	851	37.82
155	246	Kress Rural	KR110	369	36.66
156	125	Fritch	1360	826	35.29
157	153	Littlefield South	LI110	1495	35.22
158	68	Arrowhead	5D85	1428	34.76
159	306	Southeast	5C80	383	34.46
160	280	Lynn	6340	634	33.80
161	236	Muleshoe West	MR140	688	33.71
162	85	Roberts County	7010	564	33.41
163	29	Doss	S410	159	33.40
164	321	Spearman	302	642	33.27
165	189	Wheelock	7375	568	32.95
166	220	Plainview West	P120	1756	32.84
167	26	Lehman	LV510	240	32.76
168	24	Kingsmill	5105	647	31.40
169	65	Batton	L624	717	30.84
170	89	Bush	5210	2185	30.66
171	116	Stanton	6570	82	29.84
172	212	Doss	S400	1275	29.56
173	36	Bowers	2053	52	29.12
174	263	Muleshoe West	MR130	98	28.95
175	95	Conway	5005	1834	28.26
176	191	Boardman	S430	48	27.85
177	165	34th Street	5B85	1717	27.74
178	127	Manhattan	7160	1313	27.53
179	341	Booker	422	212	26.89
180	90	Southeast	5C85	2416	25.96
181	238	Happy	7040	304	25.50
182	224	Amherst	AM610	41	25.07
183	347	Soncy	7116	66	25.00
184	187	Allen	L750	521	24.57
185	8	Whiteface	LV210	154	24.22
186	332	Dalhart	116	302	24.05
187	206	34th Street	5B90	873	23.63

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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
188	278	Batton	L650	239	23.57
189	119	Cherry	5C10	835	23.32
190	141	Indiana	7450	1210	23.12
191	198	South Georgia	2346	977	23.06
192	210	West Borger	1A15	1575	22.58
193	201	Wheelock	7365	1168	22.45
194	346	Slaton	6690	803	22.25
195	177	West Borger	1A20	815	22.17
196	253	Clutter	6620	1187	21.71
197	132	Hastings	7078	2953	21.34
198	106	Dalhart	1298	1021	20.59
199	176	Bush	5215	1291	20.22
200	288	Stanton	6430	946	19.72
201	113	Denver City East	S100	1163	19.66
202	46	Vickers	6680	1588	19.30
203	339	Booker	33-08	1228	18.85
204	128	Pierce	5B00	1140	18.73
205	211	Van Buren	7198	1778	18.68
206	164	Fritch	1364	2064	18.57
207	166	Tenneco	S440	53	18.40
208	229	Centre Street	5310	1356	18.26
209	50	Waterfield	2361	487	18.26
210	130	Whitaker	5270	1993	18.24
211	121	Moss	6320	1845	17.89
212	175	Dumas 19th Street	1367	1772	17.83
213	265	Estacado	5D10	2590	17.78
214	NA	Bennett	S290	130	17.71
215	4	Dalhart	1580	145	17.57
216	241	Lawrence Park	5050	1056	17.53
217	299	Littlefield City	LI610	617	17.37
218	75	Texaco	LV980	26	16.81
219	221	Parmer County	2475	796	15.99
220	168	Wildorado	2018	257	15.63
221	152	Dumas 19th Street	1371	1015	15.33
222	74	Slaton	6600	525	15.23
223	342	Palo Duro	5235	160	15.19
224	254	Stanton	6410	644	14.85
225	207	McCullough	7002	1458	14.54
226	67	Farmers	5385	231	14.52
227	262	Allen	L520	746	14.30
228	37	East Plant	A122	1326	13.95
229	297	Puckett West	5C30	944	13.81
230	158	Allen	L745	534	13.72
231	15	Etter Rural	5405	969	13.50
232	334	Perryton	1230	917	13.29
233	40	Dimmitt East	DI180	390	13.19
234	129	Littlefield City	LI620	166	12.93
235	188	West Borger	1A10	914	12.84

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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
236	203	Clutter	6630	335	12.65
237	295	Soncy	5130	1178	11.93
238	343	Coulter	5280	798	11.64
239	232	Littlefield City	LI640	673	11.46
240	226	Lawrence Park	5030	733	11.43
241	167	South Georgia	5B30	1399	11.32
242	92	Van Buren	7046	1729	11.13
243	235	Dimmitt South	DI120	255	10.96
244	111	Lawrence Park	5020	1471	10.68
245	150	East Plant	A118	1704	10.60
246	271	Levelland City	LV190	2541	10.60
247	243	Olton	SO180	635	10.41
248	192	Plainview North	P260	1559	10.33
249	353	Hart	HA120	628	10.25
250	291	Estacado	5D20	544	10.22
251	204	Morton	M130	511	10.08
252	193	Coble	LV835	252	10.08
253	170	Stanton	6420	457	9.96
254	76	Kingsmill	5115	1033	9.91
255	239	Lawrence Park	5025	1740	9.80
256	351	Farwell	FA620	738	9.77
257	261	Coulter	5285	1336	9.76
258	73	Sherman County	1456	952	9.66
259	318	Slaton	SL140	1291	9.36
260	28	Whiteface	LV220	312	9.24
261	298	Whitaker	5265	38	9.08
262	293	Happy	2326	360	9.04
263	256	Plainview East	P160	573	8.91
264	32	Cedar Lake East	S910	33	8.88
265	216	Amherst	AM620	456	8.72
266	33	Garza	6520	533	8.30
267	279	Indiana	7440	37	8.30
268	205	Canyon West	7124	2244	8.20
269	83	Doud	6305	1142	8.12
270	322	Canyon West	5160	668	7.78
271	139	Denver City East	S110	1885	7.72
272	149	Industrial	1412	805	7.69
273	350	Farwell	FA610	403	7.68
274	172	McCullough	7005	1506	7.50
275	296	Pierce	5B05	1016	7.28
276	81	Pacific	LV930	11	7.27
277	222	Muleshoe Valley	MR150	340	7.18
278	142	Centre Street	5305	2357	7.05
279	290	Plainview South	P210	102	6.81
280	320	Batton	L640	670	6.71
281	145	McCullough	5085	1180	6.69
282	184	Plainview West	P130	603	6.28
283	126	Springcreek	1316	434	6.22

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
284	42	Dimmitt East	DI150	963	5.97
285	240	Hereford	2627	1697	5.92
286	123	Hereford	2630	1185	5.75
287	63	Garza	6500	504	5.34
288	143	Acco	L570	172	5.08
289	72	Kingsmill	5100	131	5.03
290	248	Levelland East	LV960	1083	4.96
291	21	Littlefield West	LI156	259	4.78
292	259	Brisco	3434	560	4.67
293	131	Kite	7106	581	4.65
294	NA	Bennett	S345	1117	4.58
295	340	Booker	421	187	4.53
296	118	Wheelock	7370	1255	4.53
297	269	Puckett West	5C35	1877	4.31
298	237	Coulter	5290	1588	4.23
299	305	Spearman	301	443	4.08
300	302	Morton	M120	765	4.06
301	78	Pierce	5B10	841	3.98
302	245	34th Street	5B95	1974	3.80
303	285	Carlisle	6635	701	3.72
304	354	Ivory	L682	138	3.71
305	171	South Georgia	2342	782	3.53
306	NA	Estacado	5D70	481	3.51
307	70	Westridge	P450	1389	3.42
308	310	Garza	PO110	636	3.10
309	283	Spearman	401	411	2.94
310	250	Spearman	402	348	2.89
311	27	Brownfield	6580	349	2.88
312	209	Lyons	5C20	1513	2.75
313	91	Sherman County	1448	807	2.62
314	84	Kingsmill	5095	44	2.59
315	362	Southland	SO110	115	2.56
316	281	Canadian	350	227	2.53
317	249	Plainview City	P630	760	2.45
318	257	Farmers	5390	2803	2.45
319	223	Canadian	340	426	2.29
320	304	Muleshoe City	MU610	571	2.29
321	327	Canyon East	5185	452	2.21
322	319	Muleshoe East	MU640	266	2.03
323	108	Riley	S510	127	2.01
324	137	Kite	5075	1057	1.83
325	324	Batton	L622	611	1.67
326	58	Levelland East	LV950	410	1.54
327	51	Allmon	AT120	658	1.52
328	333	Tascosa	1222	37	1.49
329	274	Plainview City	P620	433	1.43
330	277	Plainview City	P680	100	1.35
331	195	Van Buren	7044	940	1.23

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
332	311	Exell	1242	109	1.19
333	255	Dalhart	108	363	1.15
334	317	Dalhart	114	495	1.11
335	215	Murphy	7430	784	1.05
336	NA	Estacado	5D65	762	1.03
337	330	Muleshoe City	MU620	737	0.81
338	307	Doud	6345	376	0.77
339	336	Perryton	1530	1040	0.69
340	156	Van Buren	7048	433	0.62
341	287	South Floydada	3547	823	0.53
342	355	Levelland City	LV520	210	0.43
343	217	Hendrick	6675	1657	0.32
344	55	Hale Center	HR110	849	0.30
345	39	Lynn	6300	976	0.23
346	268	Puckett West	5C60	710	0.19
347	329	Tuco	N412	651	0.14
348	344	Booker	535	264	0.09
349	252	Dalhart	106	150	0.00
350	272	South Floydada	3551	33	0.00
351	325	Channing	450	230	0.00
352	345	Sunset	5D30	29	0.00
353	314	Van Buren	7190	68	0.00
354	303	Van Buren	7194	414	0.00
355	348	Bainer	BA601	14	0.00
356	114	Acco	L580	157	0.00
357	301	Plainview City	P670	235	0.00
358	169	Garza	PO120	595	0.00
359	360	Flanagan	S540	39	0.00
360	361	Adair	S790	15	0.00

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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

Causes of Forced Interruptions	Percentage
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%

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