



Control Number: 27270



Item Number: 15

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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2002 Reporting Year

2006 FEB 28 PM 4:33
FILED
PUBLIC UTILITY COMMISSION

Southwestern Public Service Co

Revised

Project 27270

000001

Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

System SAIFI		Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced		0.40	0.03	0.02	0.02	0.04	0.03	0.08	0.06	0.04	0.02	0.03	0.02	0.01
2002														
Scheduled		0.04	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
2002														
Outside Causes		0.08	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.02	0.01	0.01
2002														
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
2002														

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2002	31.72	2.25	1.20	1.25	3.30	2.63	7.19	2.99	4.87	1.35	2.59	1.22	0.87
Scheduled													
2002	0.61	0.08	0.00	0.15	0.01	0.02	0.05	0.03	0.03	0.01	0.16	0.03	0.03
Outside Causes													
2002	3.81	0.00	0.00	0.00	0.00	0.02	1.18	0.61	1.37	0.00	0.55	0.02	0.05
Major Events													
2002	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

Southwestern Public Service Co

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
1	1	Carson County	7030	87	4.3563
2	357	Brisco	3457	10	4.0000
3	12	Booker	33-08	1067	3.7985
4	22	McLean Rural	5300	859	3.6962
5	49	Sherman County	1456	952	3.1239
6	142	Springlake	SO150	73	2.8082
7	110	Burnett	1394	129	2.6279
8	55	Allred	S180	112	2.4018
9	76	Moore Co	M055	33	2.3939
10	17	Elwood	LV140	70	2.2000
11	342	Doss	S410	159	2.1950
12	310	Allred	S140	53	2.1698
13	168	Tascosa	1222	37	2.1622
14	217	Littlefield West	LI156	259	2.1583
15	14	Etter Rural	5405	969	2.1538
16	153	Russell	S280	96	2.1250
17	200	Perryton	1235	1340	2.0761
18	73	Riverview	R090	29	2.0690
19	11	Dalhart	1664	79	2.0633
20	158	Sherman County	1452	32	2.0625
21	248	Sudan Rural	SR120	558	2.0394
22	113	Middleton	LV810	27	2.0370
23	277	Lockney Rural	3417	1111	2.0198
24	348	Lynn	6510	309	2.0129
25	306	Moore Co	M060	127	2.0079
26	87	Exell	1242	109	2.0000
27	29	Conway	5010	1380	1.9493
28	37	Ivory	L685	1204	1.8704
29	36	Bowers	2053	52	1.8462
30	115	Highland Park	5335	810	1.7716
31	151	Stanton	L540	786	1.7608
32	33	Carson County	7034	49	1.7551
33	9	Grave	7178	1524	1.7185
34	8	Doss	6660	80	1.7000
35	247	Indiana	7480	1861	1.6206
36	221	Cedar Lake East	S910	33	1.6061
37	216	Littlefield City	LI640	673	1.6018
38	109	Cherry	5C10	835	1.5725
39	10	Amoco	LV920	242	1.5579
40	131	Fritch	1360	826	1.5242
41	78	Tenneco	S440	53	1.4906
42	52	Lehman	LV500	159	1.4591
43	77	Industrial	1412	805	1.4534

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
44	183	Hastings	7078	2953	1.4260
45	5	Wildorado	2014	189	1.4180
46	236	Zavalla	LV790	13	1.3846
47	301	Arrowhead	5D80	225	1.3422
48	141	Plainview East	P180	110	1.3364
49	61	East Plant	A110	895	1.3050
50	48	Springcreek	1320	174	1.3046
51	68	Spearman Int	1512	905	1.2597
52	127	Whitaker	5270	1993	1.2449
53	75	Dumas 19th Street	1367	1772	1.2404
54	244	Yellowhouse	LV900	30	1.2333
55	201	Carlisle	6650	1851	1.1702
56	51	Van Buren	7046	1729	1.1637
57	116	El Paso	S340	478	1.1569
58	67	Aiken Rural	LA110	112	1.1518
59	180	McCullough	7005	1506	1.1514
60	255	Centre Street	5305	2357	1.1485
61	206	Dumas 19th Street	1371	1015	1.1399
62	35	Plainview South	P230	622	1.1286
63	50	Booker	535	264	1.1250
64	57	Waterfield	2364	361	1.1163
65	240	Parmer County	2475	796	1.1131
66	251	Kress Rural	KR140	147	1.1088
67	27	Boardman	S560	112	1.1071
68	229	West Borger	1A15	1575	1.0997
69	305	Sherman County	1448	807	1.0954
70	242	Conway	5005	1834	1.0916
71	243	Westridge	P450	1389	1.0871
72	237	Texaco	LV980	26	1.0769
73	74	Tascosa	1218	174	1.0747
74	210	Stanton	6570	123	1.0732
75	298	Brisco	3434	560	1.0661
76	86	Hereford	2630	1185	1.0641
77	114	Pacific	LV940	72	1.0556
78	80	Coulter	5290	1588	1.0529
79	199	Plainview East	P150	181	1.0387
80	344	Fain	1105	28	1.0357
81	304	Spearman	302	642	1.0312
82	104	Waterfield	2368	251	1.0279
83	291	Happy	2326	360	1.0222
84	28	Wade	1420	63	1.0159
85	258	Canyon West	7124	2244	1.0147
86	152	Whiteface	LV210	154	1.0130
87	314	Brownfield	6580	349	1.0115
88	97	Kingsmill	5100	131	1.0076
89	0	Lockney Rural	3421	17	1.0000
90	0	Channing	450	230	1.0000
91	65	Indiana	7440	11	1.0000

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Service Quality Report to the Public Utility Commission of Texas

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2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
92	341	Garza	PO120	595	1.0000
93	266	Riley	S500	42	1.0000
94	128	East Plant	A118	1704	0.9800
95	64	Dumas 19th Street	1470	2623	0.9577
96	135	Doss	6670	1932	0.9467
97	112	Bowers	5090	313	0.9010
98	302	County Line	CL110	21	0.8571
99	102	Kingsmill	5105	647	0.8192
100	32	Sunset	5D35	211	0.7630
101	69	Prentice	S875	40	0.7500
102	144	Kingsmill	5110	489	0.7423
103	286	Stanton	6430	1624	0.6958
104	2	Buffalo	5165	306	0.6928
105	0	Diekemper	DE110	21	0.6667
106	25	Wildorado	2018	107	0.6542
107	72	Dalhart	106	150	0.6267
108	3	Ivory	L680	86	0.6163
109	132	Farmers	5395	665	0.5669
110	124	Herring	1438	155	0.5355
111	7	Roberts County	7010	564	0.5266
112	42	Muleshoe Valley	MR150	99	0.5152
113	139	McCullough	5085	1180	0.5093
114	119	Friona Rural	2436	1621	0.5089
115	31	Flanagan	S550	40	0.5000
116	196	Kite	5B80	851	0.4947
117	226	Lawrence Park	5315	705	0.4936
118	107	Allen	L505	166	0.4880
119	191	34th Street	5B90	873	0.4811
120	121	Doss	S400	1275	0.4800
121	316	Lehman	LV510	240	0.4708
122	130	Bowers	2057	541	0.4547
123	41	Muleshoe West	MR130	98	0.4388
124	170	Riverview	R100	429	0.4289
125	123	ODC	S325	127	0.4173
126	160	Amherst	AM610	41	0.4146
127	122	Cherry	5C15	1108	0.4134
128	169	Irick	IB120	20	0.4000
129	156	Fritch	1364	2064	0.3992
130	150	Southeast	5C85	2416	0.3920
131	60	Dalhart	1298	1021	0.3810
132	239	Estacado	5D15	1361	0.3762
133	62	Planters	L710	1251	0.3693
134	108	LYONS	5C25	677	0.3575
135	30	Channing	1564	17	0.3529
136	241	Industrial	1416	706	0.3527
137	228	Manhattan	5135	655	0.3435
138	53	Southeast	5C80	383	0.3420
139	222	34th Street	5B85	1717	0.3401

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2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
140	235	Morton	M130	511	0.3386
141	0	Slaton	SL140	1291	0.3377
142	19	Vega	5170	646	0.3328
143	209	Weatherly	1350	733	0.3288
144	283	West Anton	3502	688	0.3241
145	66	Kite	5075	1057	0.3075
146	352	Pullman	2A40	101	0.3069
147	148	South Georgia	2346	977	0.3060
148	83	Springcreek	1316	434	0.2995
149	20	Herring	1434	1653	0.2952
150	224	Lawrence Park	5030	733	0.2879
151	185	Kingsmill	5115	1033	0.2807
152	94	Dalhart	1246	1335	0.2757
153	163	Waterfield	2361	487	0.2731
154	234	Littlefield South	LI120	63	0.2698
155	182	Hastings	7086	659	0.2625
156	219	South Georgia	2338	3292	0.2579
157	218	McCullough	7002	1458	0.2579
158	79	Littlefield South	LI110	1495	0.2528
159	154	Roxana	2334	207	0.2512
160	26	Perryton	1230	917	0.2486
161	190	Allen	L745	798	0.2356
162	16	Tokio	S800	103	0.2330
163	23	Hastings	7074	1673	0.2325
164	174	Estacado	5D20	544	0.2298
165	177	Bush	5205	1277	0.2255
166	193	Bush	5210	2185	0.2211
167	155	Wheelock	7370	1874	0.2209
168	0	Bainer	BA601	14	0.2143
169	263	Indiana	7465	1035	0.2126
170	54	Exell	1238	171	0.2105
171	47	South Georgia	5B40	2460	0.2077
172	147	Whiteface	LV220	312	0.2051
173	184	East Plant	A122	1326	0.2021
174	0	Coble	LV835	10	0.2000
175	284	Adair	S790	15	0.2000
176	215	Dimmitt South	DI110	312	0.1987
177	159	Booker	421	187	0.1979
178	267	Dalhart	108	363	0.1956
179	273	Lawrence Park	5025	1740	0.1943
180	166	Barwise	IB130	68	0.1912
181	271	Dimmitt East	DI180	390	0.1897
182	179	LYONS	5C20	1513	0.1897
183	13	Dalhart	1580	145	0.1862
184	145	Moss	6320	1845	0.1854
185	111	Murphy	7535	1957	0.1819
186	44	Muleshoe East	MU630	296	0.1757
187	195	West Borger	1A10	914	0.1751

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2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
188	21	Littlefield City	LI620	166	0.1747
189	256	Plainview West	P120	1756	0.1674
190	189	Pierce	5B00	1140	0.1667
191	292	Soncy	7116	66	0.1667
192	133	Springlake	SO140	54	0.1667
193	331	Perryton	1530	1040	0.1663
194	157	Lockney Rural	LA140	97	0.1649
195	146	Whitaker	5260	1362	0.1645
196	308	Doud	6480	2050	0.1537
197	140	Arrowhead	5D85	1428	0.1513
198	281	Farmers	5390	2803	0.1495
199	92	Van Buren	7190	68	0.1471
200	58	Moss	6540	315	0.1460
201	24	Highland Park	5325	312	0.1410
202	63	Garza	6520	533	0.1407
203	117	Etter Rural	5410	407	0.1376
204	285	Soncy	5130	1178	0.1324
205	138	ODC	S335	53	0.1321
206	223	Farmers	5385	231	0.1299
207	143	Irick	IB110	55	0.1273
208	176	Boardman	S430	48	0.1250
209	186	Dimmitt East	DI150	963	0.1215
210	192	South Floydada	3551	33	0.1212
211	46	Channing	1568	25	0.1200
212	257	Perryton	1535	879	0.1160
213	173	Bush	5215	1291	0.1154
214	162	Hastings	7082	1344	0.1153
215	227	Wheelock	7365	1744	0.1147
216	81	Manhattan	7164	1285	0.1144
217	220	Canadian	325	406	0.1133
218	246	Muleshoe West	MR140	688	0.1119
219	167	Middleton	LV820	54	0.1111
220	212	Garza	6500	504	0.1091
221	326	Sudan Rural	SR110	120	0.1083
222	356	West Borger	1A20	815	0.1067
223	317	Murphy	7430	784	0.1046
224	95	Plant X	X310	1034	0.1044
225	303	Pierce	5B05	1016	0.1043
226	253	Levelland City	LV180	2658	0.1042
227	88	Van Buren	7048	433	0.1039
228	181	Lawrence Park	5050	1056	0.1032
229	187	Soncy	7024	2101	0.1004
230	269	Van Buren	7198	1778	0.1001
231	260	Levelland City	LV190	2541	0.1000
232	249	Hereford	2627	1697	0.0984
233	82	Weatherly	1354	765	0.0967
234	252	Monroe	6610	517	0.0967
235	149	South Georgia	5B30	1399	0.0958

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
236	175	Kress Rural	KR120	148	0.0946
237	100	Allen	L740	1122	0.0945
238	321	Spearman	401	411	0.0925
239	268	Pacific	LV930	11	0.0909
240	137	Van Buren	7044	940	0.0872
241	300	Dalhart	114	495	0.0869
242	282	34th Street	5B95	1974	0.0861
243	204	Kite	7106	581	0.0861
244	208	Soncy	7020	860	0.0849
245	265	Kress Rural	KR110	369	0.0840
246	45	Spearman	402	348	0.0833
247	290	Centre Street	5310	1356	0.0826
248	15	Happy	7040	304	0.0822
249	99	Plainview East	P160	573	0.0820
250	126	Jaybee	S765	37	0.0811
251	289	Littlefield City	LI610	617	0.0810
252	278	Plainview West	P110	1026	0.0780
253	280	Canadian	335	182	0.0769
254	211	Barwise	IB140	65	0.0769
255	0	Farwell	FA610	403	0.0744
256	70	Acco	L570	256	0.0742
257	207	Lawrence Park	5275	1277	0.0689
258	39	Kingsmill	5095	44	0.0682
259	238	Manhattan	7160	1313	0.0678
260	106	Dalhart	116	302	0.0662
261	333	Spearman	301	443	0.0655
262	18	Plainview South	P220	1519	0.0652
263	129	East Plant	A126	609	0.0640
264	231	Canadian	340	426	0.0634
265	172	Olton	SO180	635	0.0630
266	250	Plainview North	P260	1559	0.0609
267	71	Pierce	5B10	841	0.0606
268	293	Plainview City	P680	100	0.0600
269	351	Puckett West	5C60	710	0.0592
270	274	Plainview City	P630	760	0.0579
271	319	Denver City East	S100	685	0.0569
272	205	Westridge	P460	457	0.0569
273	93	Amherst	AM620	456	0.0548
274	294	Estacado	5D10	2590	0.0541
275	276	Lewters	L470	39	0.0513
276	98	Tuco	N404	889	0.0495
277	120	Lawrence Park	5020	1471	0.0483
278	171	Roxana	2076	873	0.0481
279	264	Dimmitt South	DI120	255	0.0471
280	203	Denver City East	S110	1885	0.0462
281	89	Plainview West	P130	603	0.0448
282	214	Doud	6345	561	0.0446
283	178	Olton	SO170	633	0.0442

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
284	245	Zavalla	LV780	23	0.0435
285	197	Levelland East	LV960	1083	0.0425
286	297	Muleshoe East	MU640	266	0.0414
287	59	Carlisle	6635	1046	0.0411
288	40	Riverview	R095	730	0.0411
289	165	Dawn	5A35	323	0.0402
290	312	Wellman	S755	228	0.0395
291	232	Plainview City	P620	433	0.0370
292	270	Allen	L520	1114	0.0359
293	6	Lockney Rural	LA150	86	0.0349
294	105	Doud	6325	2031	0.0335
295	299	Batton	L624	1070	0.0327
296	322	Stanton	6410	961	0.0312
297	233	Doud	6305	1704	0.0288
298	91	Vickers	6680	1588	0.0283
299	328	Muleshoe City	MU610	571	0.0280
300	325	Flanagan	S540	39	0.0256
301	288	South Georgia	2342	782	0.0256
302	323	Muleshoe City	MU620	737	0.0244
303	188	Puckett West	5C30	944	0.0244
304	338	Coulter	5285	1336	0.0240
305	254	Coulter	5280	798	0.0238
306	287	Batton	L622	912	0.0230
307	261	Clutter	6620	1772	0.0220
308	340	Plainview City	P670	235	0.0213
309	330	Plainview North	P270	142	0.0211
310	334	Allen	L510	1058	0.0208
311	259	South Georgia	5B35	1543	0.0207
312	0	Garza	PO110	636	0.0204
313	38	Lariat	MR110	100	0.0200
314	318	Morton	M120	765	0.0196
315	315	Levelland East	LV950	410	0.0195
316	161	Wheelock	7375	848	0.0189
317	134	El Paso	S320	212	0.0189
318	311	Slaton	6690	803	0.0187
319	296	Indiana	7450	1806	0.0183
320	96	Puckett West	5C35	1877	0.0181
321	84	Clutter	6630	500	0.0180
322	103	South Floydada	3547	823	0.0158
323	56	Stanton	6420	682	0.0147
324	136	Booker	422	212	0.0142
325	313	Allmon	AT120	658	0.0137
326	347	Lynn	6340	1103	0.0136
327	307	Allen	L750	778	0.0116
328	34	Hart	HA110	95	0.0105
329	198	Canyon West	7128	3350	0.0104
330	324	Acco	L580	195	0.0103
331	225	Littlefield City	LI630	306	0.0098

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIFI Value
332	213	Plainview South	P210	102	0.0098
333	202	Slaton	6600	525	0.0095
334	272	Canyon East	5185	452	0.0088
335	0	Whitharral	LV710	120	0.0083
336	353	Riley	S510	127	0.0079
337	85	Hendrick	6685	1429	0.0077
338	320	Ivory	L682	138	0.0072
339	332	Palo Duro	5235	160	0.0063
340	125	Van Buren	7194	414	0.0048
341	295	Levelland City	LV520	210	0.0048
342	327	Plainview City	P690	210	0.0048
343	336	Tuco	N412	651	0.0046
344	275	Batton	L640	1000	0.0040
345	0	Farwell	FA620	738	0.0027
346	4	Canyon East	5190	1162	0.0026
347	309	Hendrick	6675	1657	0.0018
348	164	Canyon West	5160	668	0.0015
349	0	Dumas 19th Street	1498	27	0.0000
350	0	Parmer County	2465	22	0.0000
351	0	Canadian	350	227	0.0000
352	0	Whitaker	5265	38	0.0000
353	0	Sunset	5D30	29	0.0000
354	0	Lynn	6300	603	0.0000
355	0	Hart	HA120	628	0.0000
356	0	Hale Center	HR110	849	0.0000
357	0	Batton	L650	357	0.0000
358	349	Mallet	LV120	16	0.0000
359	0	Slaton	SL150	1055	0.0000
360	0	Southland	SO110	115	0.0000

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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

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
1	66	Indiana	7440	11	758.00
2	14	Booker	33-08	1067	753.40
3	36	Doss	6660	80	578.88
4	282	Riley	S500	42	555.00
5	41	Allred	S180	112	547.46
6	304	Allred	S140	53	380.08
7	2	Carson County	7030	87	363.59
8	71	Burnett	1394	129	360.82
9	161	Russell	S280	96	359.18
10	314	Moore Co	M060	127	275.24
11	221	Tascosa	1222	37	271.78
12	45	Riverview	R090	29	259.52
13	0	Brisco	3457	10	250.20
14	62	Etter Rural	5405	969	245.29
15	265	Yellowhouse	LV900	30	236.53
16	6	Dalhart	1664	79	236.27
17	259	Happy	2326	360	229.14
18	114	Plainview East	P180	110	210.19
19	47	Middleton	LV810	27	207.41
20	246	Zavalla	LV790	13	204.85
21	5	Elwood	LV140	70	202.79
22	21	Boardman	S560	112	189.63
23	106	Tenneco	S440	53	183.79
24	49	McLean Rural	5300	859	179.08
25	86	Waterfield	2364	361	173.84
26	63	Bowers	5090	313	171.29
27	20	Lehman	LV500	159	168.26
28	30	Sherman County	1456	952	166.66
29	84	Highland Park	5335	810	165.01
30	195	Perryton	1235	1340	160.45
31	348	Lynn	6510	309	157.37
32	9	Grave	7178	1524	149.78
33	61	Carson County	7034	49	145.69
34	68	Prentice	S875	40	143.63
35	69	Exell	1242	109	137.00
36	169	Sherman County	1452	32	135.38
37	40	Bowers	2053	52	130.19
38	7	Springcreek	1320	174	125.22
39	170	Cedar Lake East	S910	33	121.27
40	0	Lockney Rural	3421	17	120.00
41	67	Ivory	L685	1204	115.96
42	271	Arrowhead	5D80	225	112.65
43	208	Plainview East	P150	181	111.54

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
44	44	Herring	1438	155	110.87
45	242	Parmer County	2475	796	109.14
46	270	Indiana	7480	1861	107.33
47	288	Sherman County	1448	807	107.27
48	101	Booker	535	264	106.33
49	75	Moore Co	M055	33	105.30
50	37	Wade	1420	63	104.21
51	238	Littlefield West	LI156	259	103.60
52	269	Centre Street	5305	2357	103.12
53	130	Doss	6670	1932	102.92
54	115	East Plant	A118	1704	102.10
55	58	Sunset	5D35	211	101.44
56	148	Riverview	R100	429	100.97
57	118	Springlake	SO150	73	97.22
58	313	Spearman	302	642	95.19
59	122	El Paso	S340	478	95.14
60	275	Kress Rural	KR140	147	94.16
61	150	Stanton	L540	786	94.08
62	260	Texaco	LV980	26	93.27
63	197	Lehman	LV510	240	91.91
64	23	Conway	5010	1380	90.81
65	187	34th Street	5B90	873	89.18
66	136	Fritch	1360	826	89.00
67	73	East Plant	A110	895	87.96
68	241	Littlefield City	LI640	673	87.24
69	281	Stanton	6570	123	85.02
70	243	Lawrence Park	5315	705	84.78
71	85	Bowers	2057	541	81.59
72	4	Wildorado	2014	189	79.67
73	1	Buffalo	5165	306	76.06
74	11	Roberts County	7010	564	75.98
75	35	Amoco	LV920	242	74.68
76	16	Kingsmill	5105	647	71.88
77	302	Lockney Rural	3417	1111	70.35
78	252	Canyon West	7124	2244	70.10
79	48	Flanagan	S550	40	69.98
80	225	Sudan Rural	SR120	558	69.38
81	10	Van Buren	7046	1729	69.19
82	142	Kingsmill	5110	489	68.55
83	0	Slaton	SL140	1291	68.18
84	95	Cherry	5C10	835	66.11
85	206	Industrial	1412	805	63.03
86	94	Farmers	5395	665	62.55
87	117	Hastings	7078	2953	59.56
88	156	Whiteface	LV210	154	59.09
89	237	McCullough	7005	1506	56.14
90	344	Fain	1105	28	55.75
91	239	County Line	CL110	21	55.67

Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
92	78	Southeast	5C80	383	55.32
93	90	Doss	S400	1275	53.46
94	171	Conway	5005	1834	51.70
95	322	Brisco	3434	560	51.12
96	81	Aiken Rural	LA110	112	50.24
97	88	Kingsmill	5100	131	50.08
98	352	Pullman	2A40	101	49.74
99	294	Brownfield	6580	349	48.21
100	240	Stanton	6430	1624	47.13
101	205	Lawrence Park	5030	733	44.98
102	50	Wildorado	2018	107	44.50
103	97	Hereford	2630	1185	44.41
104	139	LYONS	5C25	677	44.33
105	13	Exell	1238	171	42.65
106	57	Murphy	7535	1957	42.48
107	72	Whitaker	5270	1993	42.25
108	56	Coulter	5290	1588	41.79
109	55	Waterfield	2368	251	41.68
110	140	Dumas 19th Street	1470	2623	40.37
111	147	Kite	5B80	851	40.34
112	214	Boardman	S430	48	40.31
113	43	Ivory	L680	86	39.55
114	59	Cherry	5C15	1108	39.44
115	34	Herring	1434	1653	39.26
116	342	Doss	S410	159	38.61
117	190	Amherst	AM610	41	38.00
118	82	Spearman Int	1512	905	37.76
119	204	Dumas 19th Street	1371	1015	36.88
120	54	ODC	S325	127	36.57
121	141	Southeast	5C85	2416	36.54
122	25	Muleshoe Valley	MR150	99	35.56
123	107	Roxana	2334	207	35.54
124	277	Littlefield South	LI120	63	35.49
125	153	McCullough	5085	1180	35.11
126	198	Carlisle	6650	1851	33.89
127	226	Indiana	7465	1035	33.53
128	123	Dumas 19th Street	1367	1772	33.51
129	31	Muleshoe West	MR130	98	33.50
130	199	West Borger	1A10	914	32.53
131	235	Morton	M130	511	32.30
132	143	Frona Rural	2436	1621	32.22
133	164	Estacado	5D15	1361	31.32
134	168	Hastings	7086	659	31.12
135	179	Wheelock	7370	1874	30.96
136	126	Springlake	SO140	54	30.56
137	110	Waterfield	2361	487	30.12
138	222	McCullough	7002	1458	29.38
139	129	Dalhart	106	150	29.27

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
140	76	Plainview South	P230	622	29.06
141	155	South Georgia	2346	977	28.22
142	296	Centre Street	5310	1356	28.20
143	103	Allen	L505	166	27.66
144	174	Industrial	1416	706	27.58
145	181	Dimmitt South	DI110	312	26.78
146	248	Irick	IB120	20	25.65
147	192	Manhattan	5135	655	25.30
148	256	Weatherly	1350	733	24.96
149	131	Pierce	5B00	1140	24.70
150	163	Kingsmill	5115	1033	24.49
151	24	Perryton	1230	917	24.47
152	0	Diekemper	DE110	21	24.33
153	8	Channing	1564	17	23.65
154	160	Estacado	5D20	544	23.56
155	65	Dalhart	1246	1335	22.73
156	200	South Georgia	2338	3292	22.60
157	108	Dalhart	1298	1021	21.91
158	39	Springcreek	1316	434	21.66
159	292	Farmers	5390	2803	21.57
160	224	34th Street	5B85	1717	21.55
161	3	Tokio	S800	103	21.30
162	83	Moss	6540	315	20.49
163	166	Bush	5205	1277	20.42
164	112	Vega	5170	646	20.02
165	60	Arrowhead	5D85	1428	19.94
166	191	Farmers	5385	231	19.58
167	176	Tascosa	1218	174	19.55
168	274	Lawrence Park	5025	1740	19.07
169	104	Etter Rural	5410	407	19.03
170	249	Dalhart	108	363	19.02
171	319	Sudan Rural	SR110	120	18.86
172	180	Bush	5210	2185	18.70
173	184	Barwise	IB130	68	18.04
174	116	Littlefield South	LI110	1495	17.97
175	22	Highland Park	5325	312	17.57
176	79	Pacific	LV940	72	17.32
177	0	Bainer	BA601	14	17.14
178	157	Plant X	X310	1034	16.99
179	121	Kite	5075	1057	16.91
180	212	Allen	L745	798	16.66
181	96	Garza	6500	504	16.05
182	28	Hastings	7074	1673	15.83
183	177	Planters	L710	1251	15.44
184	301	West Anton	3502	688	15.37
185	173	Manhattan	7164	1285	14.63
186	0	Coble	LV835	10	14.60
187	159	South Georgia	5B30	1399	14.16

Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
188	210	Olton	SO180	635	13.90
189	87	Whitaker	5260	1362	13.83
190	186	Moss	6320	1845	13.56
191	102	Jaybee	S765	37	13.38
192	183	Fritch	1364	2064	13.14
193	113	South Georgia	5B40	2460	13.11
194	223	West Borger	1A15	1575	12.88
195	185	Booker	421	187	12.76
196	137	East Plant	A122	1326	12.17
197	109	ODC	S335	53	12.11
198	341	Garza	PO120	595	12.00
199	285	Soncy	7116	66	11.94
200	175	Allen	L740	1122	11.94
201	27	Dalhart	1580	145	11.84
202	46	Van Buren	7048	433	11.30
203	356	West Borger	1A20	815	11.21
204	51	Whiteface	LV220	312	11.00
205	236	Van Buren	7198	1778	10.84
206	263	South Floydada	3551	33	10.45
207	211	Adair	S790	15	10.33
208	70	Muleshoe East	MU630	296	10.04
209	0	Channing	450	230	10.00
210	182	LYONS	5C20	1513	9.95
211	250	Monroe	6610	517	9.56
212	351	Puckett West	5C60	710	8.86
213	93	Dimmitt East	DI150	963	8.75
214	98	Acco	L570	256	8.63
215	218	Lawrence Park	5275	1277	8.33
216	193	Bush	5215	1291	8.14
217	317	Spearman	401	411	8.06
218	128	Roxana	2076	873	7.97
219	201	Zavalla	LV780	23	7.83
220	300	Doud	6480	2050	7.78
221	162	Littlefield City	LI620	166	7.70
222	286	Pierce	5B05	1016	7.54
223	326	Spearman	301	443	7.53
224	267	Dimmitt East	DI180	390	7.40
225	336	Perryton	1530	1040	7.35
226	196	Weatherly	1354	765	7.34
227	229	Muleshoe West	MR140	688	7.32
228	227	34th Street	5B95	1974	7.04
229	15	Channing	1568	25	7.04
230	207	Wheelock	7365	1744	6.81
231	194	Soncy	7024	2101	6.71
232	188	Olton	SO170	633	6.66
233	234	Canadian	325	406	6.52
234	165	Manhattan	7160	1313	6.52
235	127	Middleton	LV820	54	6.43

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
236	132	Hastings	7082	1344	6.25
237	111	East Plant	A126	609	6.22
238	105	Spearman	402	348	6.21
239	29	Van Buren	7190	68	6.18
240	289	Plainview West	P120	1756	6.09
241	178	Lawrence Park	5050	1056	5.99
242	203	Lockney Rural	LA140	97	5.98
243	280	Kress Rural	KR110	369	5.96
244	64	Pierce	5B10	841	5.96
245	189	Kress Rural	KR120	148	5.91
246	299	Perryton	1535	879	5.86
247	295	Levelland City	LV190	2541	5.84
248	217	Barwise	IB140	65	5.82
249	287	Soncy	5130	1178	5.80
250	307	Murphy	7430	784	5.77
251	262	Coulter	5280	798	5.29
252	135	Van Buren	7044	940	5.16
253	232	Dalhart	114	495	4.84
254	247	Hereford	2627	1697	4.79
255	154	Soncy	7020	860	4.67
256	264	Westridge	P450	1389	4.65
257	321	Denver City East	S100	685	4.65
258	261	Lewters	L470	39	4.62
259	0	Farwell	FA610	403	4.54
260	272	Plainview City	P620	433	4.42
261	134	Plainview West	P130	603	4.41
262	80	Riverview	R095	730	4.40
263	279	Littlefield City	LI610	617	4.33
264	230	Plainview City	P680	100	4.26
265	158	Puckett West	5C35	1877	4.21
266	32	Lawrence Park	5020	1471	4.16
267	145	Irick	IB110	55	4.09
268	255	Levelland City	LV180	2658	4.06
269	306	Stanton	6410	961	4.04
270	303	Plainview West	P110	1026	4.03
271	89	Happy	7040	304	3.93
272	133	Plainview East	P160	573	3.85
273	245	Doud	6305	1704	3.69
274	251	Kite	7106	581	3.69
275	215	Canadian	335	182	3.62
276	293	Estacado	5D10	2590	3.60
277	144	Amherst	AM620	456	3.43
278	138	Vickers	6680	1588	3.41
279	209	Denver City East	S110	1885	3.21
280	52	Dalhart	116	302	2.72
281	331	Levelland East	LV950	410	2.66
282	146	Wheelock	7375	848	2.63
283	332	Coulter	5285	1336	2.63

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
284	167	Doud	6345	561	2.57
285	91	Doud	6325	2031	2.52
286	77	Plainview South	P220	1519	2.48
287	0	Whitharral	LV710	120	2.48
288	335	Tuco	N404	889	2.43
289	278	Plainview North	P260	1559	2.41
290	33	Clutter	6630	500	2.38
291	219	Clutter	6620	1772	2.34
292	266	Westridge	P460	457	2.32
293	258	Canadian	340	426	2.24
294	325	Allen	L510	1058	2.10
295	172	Dimmitt South	DI120	255	2.06
296	290	Muleshoe East	MU640	266	2.03
297	120	El Paso	S320	212	2.02
298	151	Dawn	5A35	323	1.98
299	312	Batton	L624	1070	1.96
300	273	South Georgia	5B35	1543	1.95
301	310	Flanagan	S540	39	1.87
302	324	Slaton	6690	803	1.83
303	330	Muleshoe City	MU610	571	1.80
304	38	Kingsmill	5095	44	1.77
305	253	Batton	L622	912	1.74
306	152	Carlisle	6635	1046	1.68
307	305	Plainview City	P630	760	1.68
308	315	Wellman	S755	228	1.58
309	100	Booker	422	212	1.57
310	18	Lockney Rural	LA150	86	1.56
311	231	Indiana	7450	1806	1.45
312	340	Plainview City	P670	235	1.42
313	268	Levelland East	LV960	1083	1.39
314	308	Pacific	LV930	11	1.36
315	26	Lariat	MR110	100	1.35
316	298	Allen	L520	1114	1.31
317	329	Morton	M120	765	1.21
318	74	Stanton	6420	682	1.18
319	202	Puckett West	5C30	944	1.17
320	0	Garza	PO110	636	1.12
321	284	Acco	L580	195	1.12
322	327	Muleshoe City	MU620	737	1.07
323	17	Hart	HA110	95	1.03
324	283	Batton	L640	1000	0.98
325	119	Slaton	6600	525	0.85
326	318	Allmon	AT120	658	0.82
327	333	Plainview North	P270	142	0.76
328	149	Garza	6520	533	0.70
329	323	Allen	L750	778	0.70
330	220	Plainview South	P210	102	0.67
331	334	Palo Duro	5235	160	0.64

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2002 SAIDI Value
332	124	South Floydada	3547	823	0.57
333	42	Van Buren	7194	414	0.49
334	228	South Georgia	2342	782	0.48
335	257	Littlefield City	LI630	306	0.44
336	353	Riley	S510	127	0.42
337	309	Ivory	L682	138	0.41
338	347	Lynn	6340	1103	0.40
339	297	Canyon East	5185	452	0.37
340	233	Canyon West	7128	3350	0.34
341	328	Tuco	N412	651	0.33
342	99	Hendrick	6685	1429	0.31
343	0	Farwell	FA620	738	0.24
344	311	Levelland City	LV520	210	0.21
345	337	Plainview City	P690	210	0.20
346	316	Hendrick	6675	1657	0.14
347	19	Canyon East	5190	1162	0.09
348	213	Canyon West	5160	668	0.02
349	0	Dumas 19th Street	1498	27	0.00
350	0	Parmer County	2465	22	0.00
351	0	Canadian	350	227	0.00
352	0	Whitaker	5265	38	0.00
353	0	Sunset	5D30	29	0.00
354	0	Lynn	6300	603	0.00
355	0	Hart	HA120	628	0.00
356	0	Hale Center	HR110	849	0.00
357	0	Batton	L650	357	0.00
358	349	Mallet	LV120	16	0.00
359	0	Slaton	SL150	1055	0.00
360	0	Southland	SO110	115	0.00

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Service Quality Report to the Public Utility Commission of Texas

Southwestern Public Service Co

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2002 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	42.45%
Vegetation	11.29%
Animals and Birds	11.41%
People (Including cars and farm equip)	5.07%
Utility-owned Equipment	16.48%
Other	3.38%
Unknown	9.92%

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