



Control Number: 29165



Item Number: 2

Addendum StartPage: 0

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**§25.52. -- Reliability and Continuity of Service.**

<http://www.puc.state.tx.us/rules/subrules/electric/25.52/25.52.doc>

2004 FEB - 5 PM 1: 38

PUBLIC UTILITY COMMISSION

**Application.** This section applies to all electric utilities as defined by the Public Utility Regulatory Act (PURA) §31.002(6) and all transmission and distribution utilities as defined by PURA §31.002(19). The term "utility" as used in this section shall mean an electric utility and a transmission and distribution utility.

**Public Utility Regulatory Act §31.002**

<http://www.puc.state.tx.us/rules/statutes/index.cfm>

**DEFINITIONS.**

The term "Electric utility" does not include a municipally owned utility or an electric cooperative.

Information typed in highlighted cells will appear on following sheets.

Type Name of Utility in the Cell Below

**Utility:**

**Austin Energy**

Type Total Number of Distribution Feeders in the Cell Below

**Feeders:**

**257 with <10 customers**

**Due:**

**February 16, 2004**

**File:**

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

**Project:**

**29165**

**Address:**

**Attn: Filing Clerk  
Public Utility Commission of Texas  
P.O. Box 13326  
Austin, Texas 78711-3326**

If you have any questions, please contact:

Brian Almon, Director of Engineering

Electric Division

Commission Staff

Voice: 512 936 7355

Fax: 512 936 7428

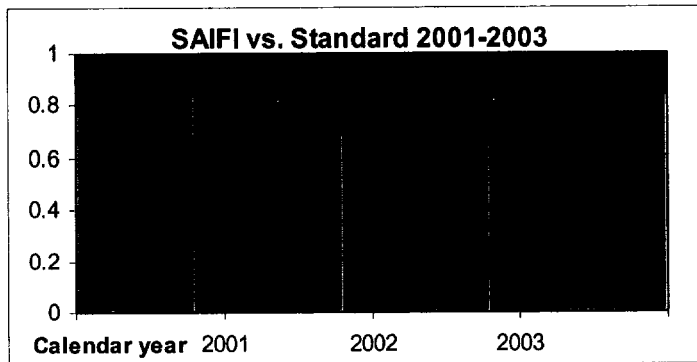
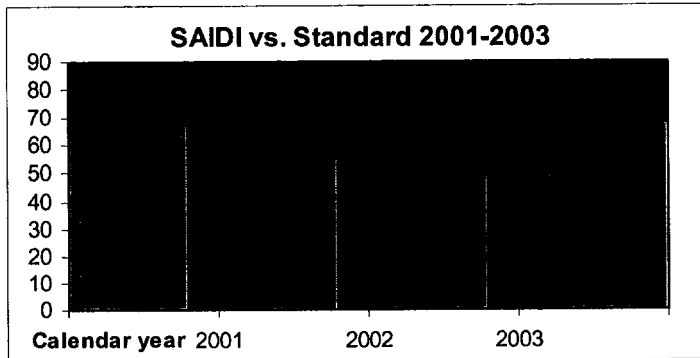
E-mail: <mailto:brian.almon@puc.state.tx.us>

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

**Austin Energy**

**Project 29165**

Austin Energy 2003 reliability analysis



2003 repeats 10% rule

HC09	14	7	3	1	no outages past 7/31/03--now HC01
SK03	10	12	10	18	breaker operations are the problem-one during major storm not included
PL02	86	13	5	27	2 operations, same day, fog
BU03	4	16	131	13	10 operations on LF00891, 3 phases, 391 customers
CC05	17	19	2	32	long outage on R36 in June, 1 bo, scattered LF
SP10	8	37	72	25	1 BO, only 14 outages
BE02	19	71	21	31	6 outages, 1 bo, 2 on LF09184 136 customers of 299 on ckt--all in May and June

No repeat circuits under 300% greater than average rule.

Service Quality Report to the Public Utility Commission of Texas

**Austin Energy**

	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
<b>System SAIFI</b>													
<b>Forced</b>													
<b>2003</b>	0.63684	0.06329	0.06047	0.02409	0.04356	0.045	0.06639	0.06455	0.08846	0.06998	0.02223	0.03483	0.05398
<b>Scheduled</b>													
<b>2003</b>	0.02464	0.0024	0.00142	0.00175	0.00197	0.00274	0.00189	0.00194	0.00374	0.00241	0.00164	0.00085	0.00188
<b>Outside Causes</b>													
<b>2003</b>	0.21381	0.03076	0.04338	0.00861	0.03308	0.04117	0	0.00598	0.01432	0.00206	0.01153	0.00573	0.0172
<b>Major Events</b>													
<b>2003</b>	0.08314								0.08314				

Service Quality Report to the Public Utility Commission of Texas

**Austin 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>	48.11	4.32	3.27	1.75	2.88	2.96	8.97	4.74	8.37	4.54	1.69	2.17	2.45
<b>2003</b>													
<b>Scheduled</b>	3.30	0.32	0.20	0.34	0.54	0.21	0.44	0.26	0.29	0.24	0.20	0.08	0.18
<b>2003</b>													
<b>Outside Causes</b>	13.93	0.74	9.40	0.06	0.31	0.69	0.00	0.23	1.44	0.17	0.61	0.16	0.12
<b>2003</b>													
<b>Major Events</b>	24.22								24.22				
<b>2003</b>													

# Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

With More Than 10 Customers

Add or Delete Rows as Necessary

Total Number of Feeders  
**257 with <10 customers**

## **Austin Energy**

<b>2003 SAIFI Ranking</b>	<b>2002 SAIFI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2003 SAIFI Value</b>
1	124	Howard Lane	HL04	3461	3.3294
2	210	Trading Post	TP03	986	3.1684
3	255	Barton	BA03	2126	3.0047
4	82	Warren	WA05	1699	2.5750
5	163	Oak Hill	OH02	329	2.4711
6	75	Seaholm Plant	SP07	279	2.4050
7	1	Hi-Cross	HC09	2020	2.2861
8	196	Jollyville	JV01	1504	2.1729
9	70	Carson Creek	CC03	531	2.1714
10	71	Howard Lane	HL03	1689	2.1332
11	201	Burleson	BU09	2682	2.0984
12	18	Sprinkle	SK03	802	2.0636
13	27	Patton Lane	PL02	2125	2.0428
14	90	Northland	NL15	1572	2.0388
15	240	Jett	JE02	1202	2.0366
16	13	Burleson	BU03	1290	1.9752
17	62	Salem Walk	SW01	2158	1.7878
18	179	Walnut Creek	WC10	2720	1.6930
19	32	Carson Creek	CC05	1467	1.5494
20	93	Northland	NL14	773	1.5343
21	125	Pedernales	PE09	1150	1.4522
22	41	Salem Walk	SW05	2248	1.4493
23	134	Salem Walk	SW08	2030	1.4222
24	46	Jett	JE03	938	1.3870
25	61	Lakeway	LW04	466	1.3734
26	123	Brodie Lane	BL01	2528	1.3699
27	6	Hi-Cross	HC01	3191	1.3667
28	85	Onion Creek	OC02	1507	1.3165
29	109	Oak Hill	OH07	993	1.3061
30	120	Fiskville	FV05	1705	1.2886
31	202	North	NO01	2079	1.2848
32	78	Patton Lane	PL01	980	1.2847
33	187	Fiesta	FI02	847	1.2822
34	114	Hamilton	HM01	1463	1.2768
35	54	Barton	BA04	1203	1.2718
36	216	Cameron	CM05	2259	1.2368
37	25	Seaholm Plant	SP10	476	1.2143
38	127	Grove	GR07	1685	1.1970
39	50	Wheless Lane	WL02	1395	1.1964
40	113	Northland	NL13	1565	1.1821
41	232	Pedernales	PE04	2204	1.1774
42	230	Brodie Lane	BL08	1532	1.1749
43	239	Angus Valley	AG02	1187	1.1735

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

### Austin Energy

2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
44	132	Summit	SU04	1894	1.1499
45	215	Magnesium Plant	MP02	3559	1.1430
46	206	Patton Lane	PL03	3297	1.1325
47	227	Kingsbery	KB01	314	1.1146
48	191	Angus Valley	AG05	2053	1.1120
49	156	Steck	ST07	2861	1.1108
50	56	Kingsbery	KB05	431	1.0882
51	161	Hi-Cross	HC02	377	1.0849
52	180	Williamson	WI06	2745	1.0791
53	80	Jett	JE04	966	1.0766
54	84	Commons Ford	CF04	1677	1.0733
55	11	Warren	WA06	653	1.0704
56	19	Oak Hill	OH09	2565	1.0682
57	205	Burleson	BU06	1484	1.0600
58	176	Hi-Cross	HC08	2285	1.0521
59	234	Grove	GR08	5499	1.0442
60	not in service	Hi-Cross	HC10	4005	1.0340
61	51	Summit	SU06	312	1.0256
62	249	Oak Hill	OH05	2811	1.0249
63	47	Walnut Creek	WC08	590	1.0169
64	145	Trading Post	TP02	1331	1.0143
65	76	Techridge	TR02	1741	1.0103
66	246	Barton	BA08	247	1.0040
67	67	Onion Creek	OC01	2114	1.0033
68	112	Warren	WA02	462	1.0022
69	229	Lakeshore	LS04	63	1.0000
70	148	Cardinal Lane	CL03	941	0.9692
71	31	Bergstrom	BE02	299	0.9498
72	162	Hamilton	HM08	1008	0.9216
73	139	Salem Walk	SW07	1965	0.9155
74	34	Magnesium Plant	MP05	1883	0.7876
75	144	Northland	NL01	548	0.7719
76	178	Sprinkle	SK02	116	0.7672
77	220	Warren	WA04	199	0.7437
78	73	Howard Lane	HL02	978	0.7239
79	103	Fiesta	FI05	2103	0.7214
80	38	Bee Creek	BC03	1406	0.6991
81	not in service	Fiskville	FV07	1468	0.6737
82	110	Koenig Lane	KL14	2819	0.6658
83	160	Steck	ST05	1206	0.6633
84	30	Wheless Lane	WL04	1156	0.6618
85	118	Commons Ford	CF03	394	0.6523
86	170	Magnesium Plant	MP03	1184	0.6486
87	151	Salem Walk	SW04	2294	0.6299
88	195	Bee Creek	BC02	656	0.6006
89	not in service	Daffin Gin	DG04	261	0.5862
90	192	Burleson	BU02	74	0.5676
91	129	Bergstrom	BE03	690	0.5536



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

### **Austin Energy**

<b>2003 SAIFI Ranking</b>	<b>2002 SAIFI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2003 SAIFI Value</b>
92	55	Lakeshore	LS06	443	0.5418
93	225	McNeil	MC10	97	0.5155
94	29	Bergstrom	BE05	1604	0.5150
95	86	Koenig Lane	KL01	740	0.4932
96	159	Zilker	ZL03	1584	0.4924
97	184	Kingsbery	KB03	2542	0.4862
98	190	McNeil	MC11	718	0.4805
99	116	Lakeshore	LS01	706	0.4759
100	102	Cardinal Lane	CL01	966	0.4627
101	140	Austin Dam	AD06	1130	0.4549
102	53	Brodie Lane	BL02	784	0.4541
103	121	Summit	SU01	168	0.4464
104	198	Cardinal Lane	CL09	777	0.4311
105	149	Cameron	CM01	337	0.4214
106	39	Bee Creek	BC05	2050	0.4200
107	101	Daffin Gin	DG02	46	0.4130
108	111	Cardinal Lane	CL11	2342	0.4116
109	209	Burleson	BU07	244	0.4057
110	130	McNeil	MC08	1905	0.4010
111	168	Salem Walk	SW06	2748	0.3977
112	99	Northland	NL02	961	0.3944
113	218	Cardinal Lane	CL04	1641	0.3888
114	57	Wheless Lane	WL06	2514	0.3862
115	107	Austin Dam	AD02	925	0.3708
116	157	Koenig Lane	KL07	1675	0.3701
117	122	Austin Dam	AD05	2053	0.3673
118	91	Slaughter Lane	SL05	2616	0.3651
119	24	Northland	NL11	2380	0.3647
120	33	Steck	ST06	1048	0.3607
121	242	Hi-Cross	HC06	1292	0.3607
122	10	Northland	NL08	2375	0.3562
123	66	Slaughter Lane	SL04	962	0.3534
124	131	Barton	BA05	975	0.3528
125	211	Jollyville	JV03	1554	0.3481
126	238	Techridge	TR03	70	0.3429
127	143	Salem Walk	SW02	2790	0.3351
128	26	Koenig Lane	KL12	475	0.3221
129	115	North	NO04	1357	0.3183
130	108	Hamilton	HM05	2720	0.3169
131	119	Hi-Cross	HC03	1576	0.3115
132	74	Wheless Lane	WL07	2513	0.3064
133	48	Brodie Lane	BL04	2444	0.3061
134	152	Cardinal Lane	CL06	2678	0.2924
135	164	Austin Dam	AD01	1326	0.2903
136	42	Lakeway	LW03	803	0.2889
137	8	Wheless Lane	WL01	1792	0.2879
138	58	Burleson	BU01	2459	0.2826
139	not in service	Fiskville	FV09	2684	0.2791

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

### Austin Energy

2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
140	133	Cameron	CM09	1590	0.2736
141	59	Hidden Valley	HV01	1778	0.2700
142	63	Fiesta	FI01	1715	0.2647
143	37	Steck	ST01	2073	0.2629
144	154	North	NO02	265	0.2604
145	174	Fiesta	FI04	764	0.2579
146	64	Steck	ST08	758	0.2573
147	117	Hamilton	HM09	853	0.2556
148	7	Commons Ford	CF01	638	0.2555
149	204	Steck	ST02	1336	0.2522
150	194	Cameron	CM04	1553	0.2511
151	135	Warren	WA01	1913	0.2493
152	188	Summit	SU02	2443	0.2481
153	28	Seaholm Plant	SP01	2258	0.2476
154	141	Magnesium Plant	MP07	2389	0.2474
155	208	Onion Creek	OC04	1099	0.2375
156	79	Barton	BA10	692	0.2355
157	not in service	Slaughter Lane	SL09	1781	0.2319
158	88	Pedernales	PE02	1736	0.2264
159	15	Slaughter Lane	SL01	2075	0.2236
160	169	Kingsbery	KB06	2586	0.2158
161	2	Dessau	DE01	1994	0.2036
162	9	Angus Valley	AG04	2678	0.2028
163	126	Koenig Lane	KL10	2051	0.2009
164	60	Pedernales	PE05	1208	0.2003
165	not in service	Fiskville	FV04	25	0.2000
166	189	Hi-Cross	HC07	1820	0.1995
167	95	Cardinal Lane	CL08	1684	0.1977
168	136	Warren	WA03	885	0.1955
169	217	Burleson	BU04	82	0.1951
170	147	Zilker	ZL02	1335	0.1865
171	203	Cardinal Lane	CL12	1545	0.1864
172	212	Walnut Creek	WC07	430	0.1860
173	23	Koenig Lane	KL03	990	0.1828
174	3	Seaholm Plant	SP02	741	0.1822
175	182	Koenig Lane	KL13	247	0.1822
176	97	Howard Lane	HL01	2729	0.1821
177	43	Williamson	WI11	3718	0.1810
178	146	Wheless Lane	WL05	752	0.1755
179	104	Sprinkle	SK01	421	0.1734
180	167	McNeil	MC06	2920	0.1709
181	40	Williamson	WI09	980	0.1684
182	36	Commons Ford	CF02	1419	0.1670
183	92	Fiskville	FV06	300	0.1667
184	219	Fiskville	FV03	1615	0.1659
185	106	Cardinal Lane	CL07	994	0.1650
186	20	Seaholm Plant	SP11	368	0.1630
187	4	Hi-Cross	HC05	4005	0.1600

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

### Austin Energy

2003 SAIFI Ranking	2002 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2003 SAIFI Value
188	200	Northland	NL12	2721	0.1529
189	not in service	Hidden Valley	HV03	1005	0.1493
190	197	Brodie Lane	BL07	399	0.1479
191	105	Seaholm Plant	SP12	2961	0.1456
192	142	Magnesium Plant	MP09	1046	0.1434
193	138	Kingsbery	KB04	618	0.1424
194	14	Jollyville	JV04	2142	0.1377
195	214	Slaughter Lane	SL02	976	0.1342
196	87	Seaholm Plant	SP09	1626	0.1341
197	235	Koenig Lane	KL08	606	0.1337
198	81	Steck	ST04	1118	0.1333
199	207	North	NO07	2433	0.1307
200	49	Bee Creek	BC06	801	0.1261
201	153	Pedernales	PE01	1278	0.1228
202	35	Daffin Gin	DG01	3313	0.1219
203	44	Lakeway	LW02	1503	0.1191
204	96	Jollyville	JV08	1177	0.1189
205	193	McNeil	MC01	2615	0.1182
206	213	Cameron	CM07	2423	0.1168
207	181	Summit	SU15	429	0.1166
208	171	Oak Hill	OH08	1289	0.1140
209	244	Riverplace	RP04	1030	0.1136
210	65	Angus Valley	AG03	1214	0.1129
211	98	Koenig Lane	KL06	1451	0.1096
212	172	Magnesium Plant	MP06	3208	0.1094
213	158	Burleson	BU08	1437	0.1044
214	228	Hamilton	HM11	2345	0.1002
215	247	Hamilton	HM04	20	0.1000
216	186	Summit	SU13	40	0.1000
217	not in service	Hi-Cross	HC04	20	0.1000
218	250	Jollyville	JV07	60	0.1000
219	not in service	Slaughter Lane	SL08	70	0.1000
220	100	Williamson	WI02	1062	0.0998
221	243	Kingsbery	KB02	83	0.0964
222	175	Brodie Lane	BL06	1612	0.0955
223	155	Pedernales	PE07	1864	0.0874
224	185	North	NO06	1401	0.0864
225	223	Jett	JE06	221	0.0814
226	94	Commons Ford	CF05	791	0.0796
227	77	Barton	BA09	1866	0.0782
228	not in service	North	NO09	273	0.0769
229	199	Oak Hill	OH03	2096	0.0749
230	165	Howard Lane	HL05	1236	0.0736
231	226	Hidden Valley	HV02	1062	0.0697
232	221	Wheless Lane	WL08	1947	0.0632
233	251	Williamson	WI08	2446	0.0630
234	241	Barton	BA11	1591	0.0622
235	not in service	Lakeshore	LS02	936	0.0609

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

### **Austin Energy**

<b>2003 SAIFI Ranking</b>	<b>2002 SAIFI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2003 SAIFI Value</b>
236	254	Williamson	WI05	271	0.0590
237	83	Trading Post	TP01	348	0.0575
238	231	McNeil	MC07	2549	0.0573
239	150	McNeil	MC02	2251	0.0524
240	248	Hamilton	HM03	20	0.0500
241	245	Burleson	BU05	60	0.0500
242	183	Hamilton	HM10	241	0.0498
243	224	Oak Hill	OH06	939	0.0351
244	not in service	Hi-Cross	HC11	1997	0.0320
245	166	Bergstrom	BE06	313	0.0288
246	222	McNeil	MC05	2201	0.0259
247	233	Grove	GR09	47	0.0213
248	68	Williamson	WI01	1817	0.0209
249	237	Riverplace	RP05	734	0.0204
250	177	Carson Creek	CC02	162	0.0185
251	21	Jollyville	JV05	257	0.0156
252	137	Jett	JE05	665	0.0135
253	not in service	Howard Lane	HL06	1052	0.0124
254	173	Barton	BA02	308	0.0097
255	45	Cameron	CM03	347	0.0086
256	69	Dessau	DE03	1350	0.0052
257	253	North	NO05	463	0.0043

# Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

With More Than 10 Customers

Add or Delete Rows as Necessary

Total Number of Feeders

**257 with <10 customers**

## **Austin Energy**

<b>2003 SAIDI Ranking</b>	<b>2002 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2003 SAIDI Value</b>
1	103	Oak Hill	OH02	329	267.0942
2	133	Howard Lane	HL04	3461	242.1037
3	160	Hamilton	HM08	1008	231.6121
4	131	Burleson	BU03	1290	227.0783
5	190	Jollyville	JV01	1504	218.2866
6	255	Barton	BA03	2126	206.2404
7	186	Burleson	BU09	2682	192.7603
8	72	Seaholm Plant	SP10	476	172.4496
9	55	Northland	NL15	1572	170.0254
10	10	Sprinkle	SK03	802	167.5237
11	60	Oak Hill	OH07	993	158.9899
12	54	Warren	WA05	1699	157.7134
13	249	Oak Hill	OH05	2811	155.8954
14	3	Hi-Cross	HC09	2020	153.7540
15	79	Salem Walk	SW01	2158	151.0199
16	64	Brodie Lane	BL01	2528	150.4134
17	2	Carson Creek	CC05	1467	146.6748
18	111	Lakeshore	LS01	706	143.1643
19	21	Bergstrom	BE02	299	141.8495
20	187	Northland	NL01	548	132.7336
21	200	Jett	JE02	1202	127.6589
22	75	Warren	WA02	462	127.0801
23	193	Trading Post	TP03	986	125.2485
24	142	Salem Walk	SW08	2030	123.6335
25	143	Summit	SU01	168	123.2381
26	205	Cameron	CM05	2259	122.8446
27	180	Austin Dam	AD01	1326	121.8084
28	100	Commons Ford	CF03	394	115.6701
29	119	Wheless Lane	WL02	1395	115.2301
30	47	Hi-Cross	HC01	3191	114.4212
31	50	Onion Creek	OC02	1507	110.9429
32	124	Williamson	WI06	2745	110.5046
33	239	Pedernales	PE04	2204	107.2527
34	159	Cardinal Lane	CL03	941	103.4134
35	43	Walnut Creek	WC08	590	98.1458
36	20	Slaughter Lane	SL04	962	97.4886
37	128	Salem Walk	SW04	2294	97.3309
38	44	Howard Lane	HL03	1689	95.9260
39	69	Barton	BA04	1203	91.8554
40	125	Hi-Cross	HC03	1576	88.9308
41	153	Bee Creek	BC02	656	86.1280
42	118	Lakeway	LW04	466	85.6459
43	140	Cardinal Lane	CL11	2342	85.5948

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

### **Austin Energy**

<b>2003 SAIDI Ranking</b>	<b>2002 SAIDI Ranking</b>	<b>Substation Identification</b>	<b>Feeder Identification</b>	<b>Number of Customers</b>	<b>2003 SAIDI Value</b>
44	82	Fiesta	FI05	2103	85.0290
45	83	Fiskville	FV05	1705	83.4950
46	36	Salem Walk	SW05	2248	83.1228
47	227	McNeil	MC10	97	80.7216
48	206	Salem Walk	SW06	2748	80.3916
49	157	Sprinkle	SK02	116	79.5345
50	66	Kingsbery	KB05	431	77.8445
51	214	Cardinal Lane	CL09	777	77.6255
52	144	Austin Dam	AD06	1130	75.2513
53	31	Wheless Lane	WL04	1156	69.4247
54	166	Salem Walk	SW07	1965	67.0896
55	245	Barton	BA08	247	65.8947
56	30	Warren	WA06	653	65.7152
57	11	Commons Ford	CF04	1677	64.0966
58	46	Northland	NL11	2380	62.1256
59	99	Howard Lane	HL02	978	61.6483
60	71	Northland	NL14	773	61.2354
61	95	Bergstrom	BE03	690	60.4478
62	155	Carson Creek	CC03	531	59.8362
63	not in service	Hi-Cross	HC10	4005	58.8160
64	45	Bee Creek	BC03	1406	58.4623
65	114	Koenig Lane	KL14	2819	58.1387
66	89	Daffin Gin	DG02	46	58.0652
67	243	Angus Valley	AG02	1187	57.3488
68	13	Oak Hill	OH09	2565	57.1715
69	101	Cardinal Lane	CL01	966	57.1460
70	210	Fiesta	FI02	847	56.1015
71	84	Northland	NL02	961	55.2622
72	230	Kingsbery	KB01	314	54.4777
73	104	Seaholm Plant	SP07	279	54.0717
74	223	Burleson	BU02	74	52.7838
75	176	Steck	ST05	1206	52.5697
76	183	Walnut Creek	WC10	2720	52.5643
77	189	Hi-Cross	HC02	377	52.2971
78	86	Grove	GR07	1685	51.5501
79	136	Pedernales	PE09	1150	51.1791
80	115	McNeil	MC08	1905	50.6283
81	68	Jett	JE04	966	50.5269
82	195	Magnesium	MP02	3559	49.4639
83	215	Warren	WA04	199	49.4221
84	63	Seaholm Plant	SP01	2258	48.5252
85	14	Patton Lane	PL01	980	47.6163
86	5	Patton Lane	PL02	2125	47.4560
87	65	Austin Dam	AD02	925	46.6389
88	236	Hi-Cross	HC06	1292	46.5813
89	117	Onion Creek	OC01	2114	45.5378
90	130	North	NO02	265	45.3396
91	177	Cameron	CM01	337	44.8872

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92	85	Pedernales	PE02	1736	42.6843
93	132	Hi-Cross	HC08	2285	42.5676
94	110	Hidden Valley	HV01	1778	42.1547
95	175	Magnesium Plant	MP03	1184	40.4688
96	163	Cardinal Lane	CL06	2678	40.0273
97	98	Austin Dam	AD05	2053	39.6108
98	204	Angus Valley	AG05	2053	39.4959
99	238	Brodie Lane	BL08	1532	39.4491
100	87	Hamilton	HM01	1463	39.0273
101	28	Jett	JE03	938	38.5501
102	not in service	Fiskville	FV07	1468	38.0940
103	179	Kingsbery	KB03	2542	37.5653
104	25	Koenig Lane	KL01	740	37.2878
105	57	Magnesium Plant	MP05	1883	36.8216
106	151	Barton	BA05	975	35.1405
107	70	Wheless Lane	WL07	2513	33.6132
108	40	Bee Creek	BC06	801	33.5443
109	59	Steck	ST06	1048	33.3922
110	145	Brodie Lane	BL02	784	33.3457
111	81	Lakeshore	LS06	443	33.0474
112	17	Northland	NL08	2375	32.8859
113	16	Commons Ford	CF01	638	32.7524
114	212	McNeil	MC11	718	32.3217
115	56	Bergstrom	BE05	1604	32.0910
116	240	Techridge	TR03	70	31.9857
117	156	Zilker	ZL03	1584	31.9066
118	164	Steck	ST02	1336	31.6055
119	192	Koenig Lane	KL07	1675	31.4382
120	211	Hi-Cross	HC07	1820	30.9951
121	224	Jollyville	JV03	1554	30.6486
122	158	Summit	SU02	2443	30.4081
123	88	Fiesta	FI01	1715	30.0886
124	not in service	Fiskville	FV09	2684	29.9229
125	173	Burleson	BU06	1484	29.9090
126	34	Lakeway	LW03	803	29.4894
127	194	Patton Lane	PL03	3297	29.2275
128	105	Barton	BA10	692	28.7673
129	not in service	Daffin Gin	DG04	261	28.7356
130	216	Cardinal Lane	CL12	1545	28.2647
131	93	Steck	ST07	2861	28.1978
132	109	Fiskville	FV06	300	28.0600
133	91	North	NO04	1357	28.0037
134	201	Fiesta	FI04	764	27.8154
135	165	Warren	WA01	1913	27.4574
136	237	Lakeshore	LS04	63	27.2381

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137	139	Warren	WA03	885	26.8373
138	122	Steck	ST08	758	26.7058
139	35	Slaughter Lane	SL05	2616	25.7248
140	51	Northland	NL13	1565	25.4639
141	168	Wheless Lane	WL06	2514	24.7991
142	8	Techridge	TR02	1741	24.6933
143	123	Summit	SU04	1894	24.1082
144	150	Hamilton	HM09	853	23.9871
145	199	Onion Creek	OC04	1099	23.6333
146	182	Burleson	BU07	244	23.6270
147	78	Brodie Lane	BL04	2444	23.5196
148	202	North	NO01	2079	23.0914
149	23	Koenig Lane	KL12	475	22.8274
150	134	Hamilton	HM05	2720	22.7393
151	9	Angus Valley	AG04	2678	21.8219
152	228	Cardinal Lane	CL04	1641	21.6380
153	129	Salem Walk	SW02	2790	21.1369
154	107	Wheless Lane	WL05	752	20.5957
155	171	Burleson	BU01	2459	19.7694
156	41	Hi-Cross	HC05	4005	19.6689
157	94	Bee Creek	BC05	2050	19.1859
158	77	Cardinal Lane	CL08	1684	18.9911
159	12	Wheless Lane	WL01	1792	18.9682
160	38	Slaughter Lane	SL01	2075	18.9494
161	217	Grove	GR08	5499	18.1779
162	220	Walnut Creek	WC07	430	18.1419
163	not in service	Hidden Valley	HV03	1005	17.4100
164	61	Seaholm Plant	SP02	741	17.3374
165	244	Kingsbery	KB02	83	17.0361
166	7	Steck	ST04	1118	16.9580
167	218	Cameron	CM07	2423	16.8634
168	174	McNeil	MC06	2920	16.6914
169	219	Cameron	CM04	1553	16.6787
170	170	Kingsbery	KB06	2586	16.5971
171	137	Trading Post	TP02	1331	16.3005
172	27	Koenig Lane	KL03	990	16.2778
173	108	Seaholm Plant	SP12	2961	15.8767
174	6	Dessau	DE01	1994	15.1805
175	62	Commons Ford	CF02	1419	15.1092
176	90	Howard Lane	HL01	2729	14.9033
177	203	Northland	NL12	2721	14.6946
178	148	Magnesium Plant	MP07	2389	14.6572
179	242	Riverplace	RP04	1030	14.2505
180	92	Barton	BA09	1866	14.2133
181	49	Williamson	WI11	3718	14.1108
182	113	Koenig Lane	KL10	2051	13.3866



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183	74	Seaholm Plant	SP09	1626	13.3635
184	138	Angus Valley	AG03	1214	13.3550
185	229	Fiskville	FV03	1615	13.0929
186	106	Steck	ST01	2073	13.0275
187	76	Pedernales	PE05	1208	12.9661
188	53	Williamson	WI09	980	12.7796
189	96	Cameron	CM09	1590	12.7220
190	207	Koenig Lane	KL13	247	12.3117
191	102	Sprinkle	SK01	421	12.0736
192	152	Kingsbery	KB04	618	11.8511
193	not in service	Slaughter Lane	SL09	1781	11.8024
194	141	Magnesium Plant	MP09	1046	11.7533
195	32	Daffin Gin	DG01	3313	11.4673
196	112	Zilker	ZL02	1335	11.3581
197	222	Slaughter Lane	SL02	976	11.2848
198	37	Jollyville	JV08	1177	11.2201
199	97	Hidden Valley	HV02	1062	10.9718
200	250	Jollyville	JV07	60	10.9500
201	181	Pedernales	PE01	1278	10.7911
202	146	Summit	SU15	429	10.3753
203	19	Lakeway	LW02	1503	9.9082
204	221	Hamilton	HM11	2345	9.7429
205	26	Seaholm Plant	SP11	368	9.6413
206	213	Wheless Lane	WL08	1947	9.5727
207	126	Koenig Lane	KL06	1451	9.2061
208	15	Jollyville	JV04	2142	8.9099
209	149	Burleson	BU08	1437	8.7523
210	184	Hamilton	HM10	241	8.6473
211	24	Summit	SU06	312	8.6314
212	185	Brodie Lane	BL07	399	8.5589
213	209	Summit	SU13	40	8.3000
214	42	Williamson	WI02	1062	8.2759
215	252	Williamson	WI05	271	7.8745
216	178	Pedernales	PE07	1864	7.6626
217	169	McNeil	MC01	2615	7.6424
218	247	Hamilton	HM04	20	7.5000
219	67	Cardinal Lane	CL07	994	7.3350
220	48	Trading Post	TP01	348	7.2960
221	188	Magnesium Plant	MP06	3208	7.2132
222	121	Oak Hill	OH03	2096	7.1193
223	172	North	NO07	2433	7.0645
224	58	Commons Ford	CF05	791	6.9216
225	231	Oak Hill	OH06	939	6.5367
226	198	Koenig Lane	KL08	606	6.4290
227	147	McNeil	MC02	2251	6.3869

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228	248	Burleson	BU05	60	6.3000
229	251	Williamson	WI08	2446	6.2388
230	135	Howard Lane	HL05	1236	6.2071
231	not in service	Hi-Cross	HC11	1997	6.1222
232	167	Oak Hill	OH08	1289	5.9472
233	253	Hamilton	HM03	20	5.9000
234	197	Brodie Lane	BL06	1612	5.4299
235	not in service	Slaughter Lane	SL08	70	5.3143
236	191	North	NO06	1401	5.2277
237	not in service	Fiskville	FV04	25	5.2000
238	232	Burleson	BU04	82	5.0732
239	226	Jett	JE06	221	4.7511
240	not in service	Lakeshore	LS02	936	4.5876
241	233	McNeil	MC05	2201	4.4284
242	235	McNeil	MC07	2549	4.2307
243	not in service	Hi-Cross	HC04	20	4.1000
244	not in service	North	NO09	273	3.4762
245	241	Barton	BA11	1591	3.4519
246	162	Bergstrom	BE06	313	1.6741
247	127	Williamson	WI01	1817	1.6560
248	73	Jollyville	JV05	257	1.6498
249	225	Riverplace	RP05	734	0.9796
250	116	Dessau	DE03	1350	0.9519
251	161	Carson Creek	CC02	162	0.9074
252	154	Jett	JE05	665	0.7985
253	not in service	Howard Lane	HL06	1052	0.7196
254	234	Grove	GR09	47	0.5957
255	80	Cameron	CM03	347	0.5879
256	196	Barton	BA02	308	0.5649
257	254	North	NO05	463	0.4471

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**INTERRUPTION CAUSES**

Provide the percentage of interruptions attributable to each cause.

2003 Reporting Year

<b>Causes of Forced Interruptions</b>	<b>Percentage</b>
Weather (Including Lightning)	12.19%
Vegetation	15.02%
Animals and Birds	25.24%
People (Including cars and farm equip)	6.76%
Utility-owned Equipment	26.66%
Other	
Unknown	14.13%