Control Number: 27270

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100 West 15th Street, #650
Austin TX 78701-1662
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PUBLIC UTILITY COMMISSION
FILING CLERK

AEP AMERICAN ELECTRIC POWER

February 27, 2003

Mr. Mel Eckhoff, Engineering Specialist
Electric Division, Commission Staff
Public Utility Commission of Texas
1701 N. Congress
Austin, TX 78711

Dear Mr. Eckhoff,

Attached please find the Reliability and Continuity of Service Report for the reporting year 2002 for AEP Texas North Company (formerly West Texas Utilities Company). This report is filed in accordance with Substantive Rule Section 25.81, Project 27270.

As anticipated in Substantive Rule Section 25.52(f)(1), AEP Texas North Company would also like to again inform you of the changes in outage reporting which were implemented beginning in May 2000. These changes were implemented to benefit both AEP Texas North Company and the customer by providing more accurate information on each outage, allowing for better prediction of the location of outages and the number of customers affected, and helping to shorten the duration of outages. AEP Texas North Company will also have better information to supporting planning, design, construction, and maintenance of the distribution facilities. More accurate information will be used in targeting maintenance programs based on the key interruption types by geographic area. AEP Texas North Company is continuing to achieve the benefits of the outage reporting changes.

The benefit of improved accuracy of reporting outages has continued to impact the number of reported outages. System SAIFI increased from 0.716 in 2001 to 0.834 in 2001, while system SAIDI increased from 46.79 in 2001 to 57.3 in 2002. To fully determine the impact of the outage reporting process improvements, AEP Texas North Company will continue to evaluate the new automation changes versus weather influences over the next few years to determine if any change in indices are a result of the "process change" or weather patterns. Currently AEP Texas North Company is continuing to accumulate historical benchmark data on the new automation system to provide definitive answers in the future. AEP Texas North Company is fairly confident that the primary impact to the reliability indices provided in this report is due to the

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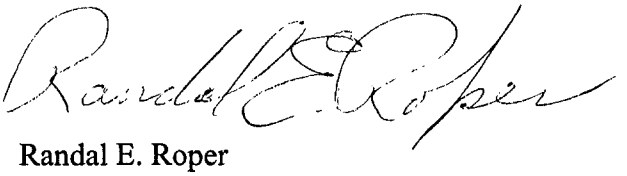
significant changes that continue to be made to its outage reporting process, and not a real degradation in service.

AEP, along with its merged partner Central and South West (CSW), have been implementing outage reporting process improvements in stages over the last six years. A report titled "Outage Reporting Process Improvements" has been provided before and is being provided again as Attachment A to describe the changes made and the benefits and impacts of these changes. Also, provided as Attachment B, is a brief description of a Distribution Geospatial Information System that is being implemented which will also improve the outage reporting process.

As AEP Texas North Company establishes the 3-year standard for its SAIFI and SAIDI performance, it is important to take into account the impact from the outage reporting process improvements and the abnormal weather impact. Pursuant to Substantive Rule Section 25.52 (f)(1), AEP Texas North Company would like to continue working with the Commission in establishing the system SAIFI and SAIDI standards for AEP Texas North Company to account for the discussed impacts.

Sincerely,



Randal E. Roper
Regulatory Case Manager, AEPSC

Attachments

Outage Reporting Process Improvements

Introduction

Within the United States, the demand for electricity continues to increase, along with the expectations of consumers for more reliable, cost-effective distribution of electricity. In large part, this increasing expectation is driven by the growing dependence on technology within all customer groups. Utilities have responded to this need by improving the reliability of their transmission and distribution systems through developing and implementing cost-effective asset management programs. Asset management programs, in large part, are dependent upon adequate information concerning the performance of installed equipment. This information is now more accessible with recent advances in technology that enable recording, managing, and reporting service interruptions.

American Electric Power (AEP) takes its obligation to serve seriously and continually strives to control the number and duration of service interruptions experienced by its customers. Over the last five years, AEP, and its merged partner Central and South West Corporation (CSW), have been implementing improved processes, new technology and new computer systems to electronically record, manage, and report service interruptions. More accurate outage information is essential in developing cost-effective asset management programs to improve reliability. Other benefits from more accurate outage information include improvements in outage analysis, outage duration and restoration, crew/resource management, and easier archiving and reporting.

In AEP's experience, the implementation of new processes and systems for outage reporting causes a significant increase in the number and accuracy of the outages reported, with a corresponding increase in reliability indices. In looking at other indicators such as customer satisfaction, AEP has determined that the increase in reliability indices does not imply degradation in service reliability.

This report discusses the industry trends in this area, AEP's change in outage reporting, and the associated impacts and benefits to AEP and its customers.

Industry Trends

Improvement in outage data accuracy is increasingly important because of many utilities, such as AEP, continuing desire to optimize design, construction, and maintenance programs. Without outage data, decision-making associated with maintenance programs is dependent mainly upon the judgment of operations personnel. Historically, maintenance programs were focused upon a time or cycle based approach, which has provided a reasonable level of reliable service, but technological improvements in outage reporting allow utilities to improve upon that level of reliable service. With better outage data, the maintenance programs are shifting to an outage mitigation approach based upon outage causes and frequency, thus better targeted to

geographic areas. Design and construction programs utilize outage data to identify areas where standard construction techniques are not providing expected reliability.

As utilities continue their quest for more accurate outage information, newer technologies are being introduced to integrate with system monitoring devices to provide better information on equipment performance and failures. These systems allow for better recording, managing and reporting of outage information, and replace the traditional method of outage reporting that relied on field personnel to manually record outage data. Many utilities have been implementing these technologies over the last several years. AEP has researched some of the transition experiences of other companies through telephone surveys, discussion with Navigant Consulting, a firm having experience in outage mitigation strategies, and review of national surveys done by industry organizations. There is a wide rage of reported movement in reliability index values from just a few percentage points to tripling or quadrupling of values. A broad survey of 13 large U.S. electric utilities by Hagler Bailly showed average increases in system SAIFI of 22%, SAIDI of 65%, and CAIDI of 42% attributed to these new computer tools. (*Hagler Bailly, Outage Management System Survey, July 1999)*

Many utilities have seen their outage indices appear to increase upon installation of the newer systems. It is difficult to predict how much these reliability indices will change in any given circumstance, or even to determine the actual impact once implemented. The migration to electronic reporting and the rate of deployment varies among utilities. Some utilities have moved from manual recording to full electronic reporting in one step, while others have moved toward electronic reporting in small, deliberate steps across their wide service territories, thus phasing in the transition over several years. Yet others have incorporated changes in tracking from the feeder or lateral level to tracking at the customer level in their new programs. In all of these scenarios, utilities have seen increased outage indices although there has been no perception of actual decreased reliability.

AEP's Outage Reporting Process – Before and After

With electronic reporting, all restoration activities and dispatcher activities are captured in an Outage Management System (OMS). The OMS provides more accurate counting of affected customers beyond isolating devices and identification of outage times. In contrast, field reporting is dependent on manual data entry, and frequently, the field did not get the data captured due to time pressures, inadequate information, or stressful working conditions during outages.

As mentioned earlier, AEP has been replacing field reporting with electronic reporting. Field reporting relies on line personnel who work outages to record the outage information in an outage reporting system. This process begins when dispatch notifies field personnel about an outage, and provides the personnel with pertinent outage information such as the customers' time off and job location. The field personnel restore the customers' power, and upon completion, notify dispatch that the power is restored. In some areas, the field personnel enter the outage specifics into an outage reporting system

at the end of the day. In cases where the crews worked overtime or around the clock, this information was often not recorded in full. In other areas, crews carried paper outage reporting forms. These forms outlined outage details such as date, start time, end time, number of affected customers, station, circuit, affected equipment, and cause. The forms were completed upon outage restoration and returned to data entry personnel for input into the outage recording system. Various outage reporting programs were then used to develop reliability statistics for different geographical and organizational levels.

Electronic reporting relies on the distribution dispatch center to record all outage and restoration information; thus, it eliminates the need for field reporting of outages. This process begins when customers notify the call center of a service interruption. The customer trouble calls are automatically routed to the OMS at the Distribution dispatch center. The trouble calls are evaluated by the OMS's outage engine to predict the location of the outage on the system. The dispatchers work with field personnel to restore service and capture outage restoration activities in the OMS. This outage information is pulled automatically into the Outage Reporting System (ORS), and is then used to report outage information and statistics. Data is also downloaded to perform analysis and provide information to the planning and maintenance groups.

AEP began implementing electronic outage reporting in its first area in 1996, and completed its last area in January 2001.

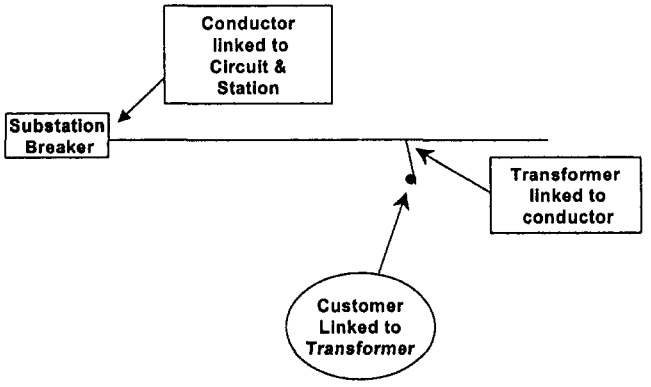
AEP's Impacts of Improved Outage Reporting

AEP has experienced increases in its reliability statistics, like most other utilities converting to newer systems.. AEP-PSO experienced increases in both outage duration and frequency indices shortly after converting to the new systems. AEP-SWEPCO changed to electronic reporting during 1996 and by 1998, the total number of reported annual outages increased by 300%. AEP-CPL moved to an automated system in late 1999. In analyzing the change in outages reported by device type, AEP-CPL concludes that the new tools allow for better reporting of outages that occur outside the substation along the feeders. AEP-WTU implemented the system beginning mid-2000, and early predictions are up to a 30% increase in outage frequency, although it is difficult to judge over such a limited time frame. AEP's regions in Ohio and West Virginia developed automated ties between their outage management and outage recording systems in 2000. Very preliminary data indicates they are experiencing increases in their reliability indices as well.

As stated earlier, the increased number of outages reported does not imply degradation of service. AEP accomplished the majority of changes to the new process and technology in 1999 and 2000. Customer satisfaction survey results in 1999, 2000, and again in 2001 show that customers' perceptions of AEP's reliability, outage response, and power quality have remained steady. Information supporting this was provided last year in this same filing for years 1999 and 2000 and is provided in the 2001 Quality of Service filing made in Docket No. 25157, this year.

PROCESS REQUIRED FOR CUSTOMER IDENTIFICATION TO DISTRIBUTION CIRCUITS IN TEXAS

As part of the management of AEPs Distribution Wires Assets, AEP is implementing a DGIS (Distribution Geospatial Information System) using the GE Smallworld platform that provides, on a landbase background, an electrically connected model of distribution wires assets needed to deliver energy from the substation breaker to each energy delivery point (customer service address) off the distribution system.



The diagram above provides a simple visual picture of the data that has to be linked together in order to identify an individual customer to a particular circuit. Where key linkage information is not readily available, an expensive field inventory has to be made to collect the necessary data to provide the customer connectivity links.

This model, when interfaced with AEP's Outage Management System, will provide significant **future** benefit through the availability of more accurate Reliability Statistics due to the automation of collection of outage data. Unfortunately, at the end of 2001only about 37% of AEP's Texas customers could be identified with a specific circuit: 10% for AEP Texas North Company; (51%) for AEP Texas Central Company; and (37%) for Southwest Electric Power Company – Texas (SWEPCO-TX).

During 2001, AEP signed map and data conversion contracts with vendors, that, when completed, will dramatically raise the percentages of customer connectivity as well as significantly increase the accuracy of outage data. It is hopeful that by July 1, 2002, approximately 57% of AEP Texas North Company customer delivery points (cities of Abilene and San Angelo) will be associated with circuits. It is also hopeful that by April 1, 2003 approximately 95+% of AEP Texas Central Company customer delivery points and 95+% of SWEPCO-TX customer delivery points will be associated to circuits. However, as stated above an extensive field inventory will be required and the timing can be considerably affected by the actual effort required to meet these targets. This data would then have to be mapped such that you could link the feeder circuit to a physical address and the physical address to in the case of the Texas companies an ESI ID.

§25.52. -- Reliability and Continuity of Service.

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

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: **AEP Texas North Company**

Type Total Number of Distribution Feeders in the Cell Below

Feeders: **402**

Due: **February 14, 2003**

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

Project: **27270**

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

If you have any questions, please contact:
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Electric Division
Commission Staff
Voice: 512 936 7348
Fax: 512 936 7361
E-mail: mailto:mel.eckhoff@puc.state.tx.us

Service Quality Report

To The

Public Utility Commission of Texas

In Accordance With

Substantive Rule §25.81

2002 Reporting Year

AEP Texas North Company

Project 27270

Service Quality Report to the Public Utility Commission of Texas

AEP Texas North Company

System SAIFI	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Forced	0.034	0.021	0.070	0.043	0.120	0.090	0.142	0.097	0.068	0.045	0.055	0.049	0.834
Outside	0.023	0.003	0.120	0.023	0.056	0.033	0.046	0.029	0.023	0.053	0.049	0.036	0.494
Scheduled	-	-	-	0.002	-	-	-	-	-	-	-	-	0.004
Major Events	-	-	-	-	-	0.091	-	-	-	-	-	-	0.091
With Storms													1.423
Without Storms													1.332

Service Quality Report to the Public Utility Commission of Texas

AEP Texas North Company

System SAIDI	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Forced	3.2	1.1	5.1	1.9	10.9	6.2	10.1	6.8	3.3	3.3	3.0	2.3	57.3
Outside	3.8	0.2	9.3	0.7	2.3	2.6	1.7	1.4	1.2	2.5	0.9	0.8	27.3
Scheduled	-	-	-	0.5	-	-	-	-	-	-	-	0.1	0.7
Major Events	-	-	-	-	-	17.6	-	-	-	-	-	-	17.6
With Storms													102.9
Without Storms													85.3

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

Total Number of Feeders: **402**

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
1	1	PECOS VALLEY	4080	57	7.23
2	86	CLARENDON	4040	754	5.10
3	121	BAIRD	5125	679	5.06
4	123	PECOS VALLEY	4075	19	4.77
5	169	PECAN BAYOU	6810	651	4.38
6	82	TUSCOLA	3305	1,032	4.17
7	261	MATADOR	3090	267	4.10
8	117	MCCAMEY	2855	111	4.02
9	235	TRENT	2850	18	3.29
10	173	MASTERSON FIELD	2101	168	3.25
11	389	ABILENE PLANT	1915	93	3.14
12	5	DUNEFIELD (N CRANE)	3885	52	3.14
13	34	HAWLEY	4455	610	3.14
14	24	AB ELMDALE	4520	75	3.13
15	17	PRESIDIO	4540	827	3.08
16	223	BAIRD	5120	429	3.06
17	363	AB HARTFORD ST	3820	1,429	3.05
18	36	PAULANN	6280	681	3.03
19	360	WELLINGTON	1770	233	2.97
20	192	CEDAR GAP (TEC)	5445	108	2.87
21	18	PRESIDIO	6135	1,022	2.74
22	231	CLYDE	3630	330	2.61
23	215	CLYDE	1755	112	2.60
24	165	RIO PECOS	3835	145	2.58
25	88	AB MCMURRY	3240	317	2.32
26	167	PLASTERCO (MWEC)	2720	204	2.22
27	49	AB DYESS 2	6335	369	2.20
28	205	CLYDE	1760	365	2.18
29	42	MERTZON (CVEC)	2905	210	2.17
30	393	ASPR CONTINENTAL	3830	13	2.17
31	147	PAULANN	6285	59	2.17
32	183	PECAN BAYOU	6815	1,197	2.17
33	New	AB ELM CREEK	1820	35	2.15
34	333	SHAMROCK	1835	75	2.14
35	276	AB HARTFORD ST	3685	244	2.14
36	240	SAND ROAD	5295	425	2.14
37	112	WINTERS	3765	1,051	2.14
38	228	TWILIGHT TRAIL	4290	1,740	2.13
39	321	MARFA	1905	698	2.13
40	198	TUSCOLA	3730	735	2.13
41	347	STAMFORD	4565	937	2.12
42	11	BRONTE	3590	151	2.12
43	384	GRAYBACK	3320	30	2.11

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
44	6	SONORA	2045	801	2.11
45	30	PERKINS PROTHO	5846	18	2.10
46	265	AB OVER STREET 12KV	3140	581	2.08
47	98	AB ELM CREEK	4775	594	2.08
48	122	MERKEL	1895	806	2.08
49	316	STAMFORD	2835	295	2.07
50	19	AB DYESS 1	1775	299	2.06
51	337	AB MCMURRY	4510	744	2.06
52	301	TURKEY	2980	379	2.06
53	186	STAMFORD	6255	503	2.06
54	63	PAULANN	6310	583	2.05
55	258	ROTAN	1865	360	2.04
56	104	BIG LAKE	4665	403	2.04
57	355	AB SHELTON ST	4640	775	2.04
58	293	BIG LAKE	4655	1,116	2.03
59	126	MUNDAY	2080	769	2.03
60	115	AB ELM CREEK	1815	503	2.02
61	263	SA EMERSON ST	4620	923	2.02
62	171	MCCAMEY	2420	134	2.01
63	388	ABILENE PLANT	1580	88	2.01
64	109	MUNDAY REA (BKEC)	2015	56	2.01
65	284	SA LAKE DR	6030	962	2.01
66	379	SA MATHIS FIELD	5100	238	1.99
67	394	CROCKETT HEIGHTS	4668	80	1.99
68	38	SA GRAPE CREEK	5365	133	1.98
69	2	MCCAMEY	2415	171	1.78
70	204	BRONTE AMBASSADOR	6650	29	1.75
71	195	RANKIN	5735	17	1.64
72	26	SARAGOSA	1590	16	1.62
73	29	AB RAINEY CREEK	4550	377	1.61
74	72	TEXON	4345	135	1.56
75	28	SA COKE ST	3905	116	1.54
76	163	AB MAPLE ST	5755	731	1.53
77	70	CHILDRESS 69	1480	424	1.46
78	349	AB SHELTON ST	3435	337	1.45
79	253	ASPR CONTINENTAL	4800	28	1.43
80	168	POWELL FIELD	2529	14	1.42
81	242	BEN FICKLIN	6175	410	1.42
82	81	ROCHESTER	3290	65	1.41
83	290	PAINT CREEK	3930	39	1.36
84	217	AB HARTFORD ST	3815	675	1.36
85	187	TRENT	4245	289	1.33
86	35	RISING STAR	5075	453	1.32
87	256	COLLEGE HILLS	6145	461	1.32
88	102	AB SHELTON ST	3040	404	1.32
89	381	CHILDRESS 20TH ST	5720	124	1.30
90	184	CISCO	1680	571	1.29
91	132	FT DAVIS	4515	397	1.29

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
92	3	QUANAH	100	52	1.28
93	87	CISCO	1685	192	1.27
94	37	ALPINE 12KV	3875	691	1.26
95	97	SA GRAPE CREEK	4700	999	1.25
96	259	TANKERSLY (CVEC)	5260	691	1.24
97	194	SA EMERSON ST	4630	373	1.22
98	361	WELLINGTON	1765	852	1.22
99	302	SA SOUTH	2595	339	1.21
100	248	NORTH ANGELO 12KV BUS	3130	378	1.20
101	227	PUTNAM	2131	194	1.20
102	294	ALPINE 12KV	6820	684	1.19
103	295	AB OVER STREET 12KV	1635	356	1.18
104	174	ROBERT LEE	4120	287	1.17
105	99	AB ELM CREEK	5045	603	1.17
106	200	CROSS PLAINS	2915	570	1.17
107	299	AB REBECCA LANE	2710	302	1.16
108	234	WEST YATES	5595	151	1.16
109	71	SHAMROCK	144	523	1.15
110	232	SHAMROCK	148	1,095	1.15
111	249	AB OVER STREET 12KV	1645	502	1.14
112	399	SA SOUTH	4255	173	1.14
113	322	SPUR	417	100	1.13
114	246	SA SOUTH	3990	320	1.13
115	118	MATADOR	3030	543	1.13
116	238	AB RAINEY CREEK	4270	787	1.13
117	78	SONORA 138 SUB	4810	830	1.13
118	93	SA LAKE DR	5865	1,134	1.12
119	83	AB WALNUT ST	3110	604	1.12
120	335	SAND ROAD	5655	734	1.12
121	141	ROCHESTER	3295	282	1.12
122	296	STAMFORD	2815	726	1.12
123	135	THROCKMORTON	3190	708	1.12
124	108	AB OIL MILL	3900	648	1.12
125	260	HIGHLAND	6375	189	1.12
126	45	MEMPHIS	3025	416	1.12
127	282	AB SHELTON ST	3060	1,705	1.12
128	172	SA SOUTHLAND HILLS	5860	143	1.11
129	208	SAND ROAD	5290	750	1.11
130	203	CLYDE	3635	568	1.11
131	250	HASKELL 12KV	3770	719	1.11
132	307	AB OVER STREET 12KV	1840	823	1.11
133	206	AB REBECCA LANE	5550	598	1.11
134	56	HAROLD	1495	41	1.10
135	210	SPUDDER FLAT	4180	65	1.10
136	120	SA SOUTH	4795	208	1.10
137	312	SAND ROAD	5195	643	1.10
138	80	SA COKE ST	4910	951	1.09
139	111	BRADY	5015	202	1.09

Service Quality Report to the Public Utility Commission of Texas

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
140	286	INDIAN MESA	2690	75	1.09
141	289	MCCAMEY	2830	979	1.09
142	91	MEMPHIS	3335	1,009	1.08
143	291	SUN VALLEY	4300	93	1.08
144	75	POWELL FIELD	2528	35	1.08
145	224	SA JACKSON ST	4260	696	1.08
146	226	SA LAKE DR	5880	1,578	1.07
147	288	ROBERT LEE	4125	687	1.07
148	251	NORTH ANGELO 12KV BUS	3120	1,039	1.07
149	305	PEACOCK	43	50	1.07
150	304	HEDLEY	5845	321	1.06
151	57	QUANAH	3100	805	1.06
152	362	AB MCMURRY	4360	1,258	1.06
153	255	VERNON	5000	509	1.06
154	47	SA SOUTH	3995	554	1.06
155	51	HASKELL 12KV	3495	1,229	1.06
156	271	CEDAR GAP (TEC)	4115	40	1.05
157	105	MERTZON (CVEC)	1530	635	1.05
158	76	CHILDRESS 69	4865	889	1.05
159	10	CHILLICOTHE	4530	581	1.05
160	16	AB OIL MILL	2780	453	1.04
161	298	CLARENDON	5005	761	1.04
162	375	ONYX REA	3255	103	1.04
163	323	SPUR	5170	1,150	1.04
164	127	RANKIN	6405	319	1.04
165	25	SPUDDER FLAT	4175	60	1.03
166	106	TURKEY	3825	359	1.03
167	314	ABILENE PLANT	1565	283	1.03
168	229	AB MCMURRY	3235	356	1.02
169	61	AB WALNUT ST	3785	1,839	1.02
170	244	AB MCMURRY	4350	1,140	1.02
171	340	AB SHELTON ST	3045	468	1.02
172	129	SHEFFIELD	6430	209	1.02
173	371	ABILENE PLANT	1735	150	1.01
174	332	SA EMERSON ST	4860	396	1.01
175	151	IRAAN	2050	432	1.01
176	352	ABILENE PLANT	3175	295	1.01
177	155	AB OIL MILL	3895	307	1.01
178	156	AB WALNUT ST	3445	790	1.01
179	160	HAROLD	3055	40	1.01
180	356	GIRARD	6260	41	1.00
181	73	ONYX REA	3260	103	1.00
182	114	SA GRAPE CREEK	5220	705	1.00
183	313	SA EMERSON ST	4625	212	1.00
184	125	SA COKE ST	4915	198	1.00
185	400	TEXON	5175	205	1.00
186	196	SA MATHIS FIELD	4790	31	0.99
187	New	BOBCAT HILLS	6655	10	0.79

Service Quality Report to the Public Utility Commission of Texas

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
188	354	ROARING SPRINGS	6155	36	0.72
189	212	NORTH ANGELO 12KV BUS	3115	214	0.69
190	285	MUNDAY	6715	255	0.67
191	66	AB MAPLE ST	5750	103	0.61
192	190	ALPINE 12KV	3155	804	0.58
193	175	ROBY	3795	89	0.56
194	8	ABILENE PLANT	1570	279	0.54
195	44	FREISS RANCH	4870	56	0.53
196	166	MORAN	2108	201	0.50
197	383	SA CONCHO	1715	277	0.49
198	376	WINTERS	2740	110	0.48
199	247	AB CANYON ROCK	5030	429	0.42
200	220	ALPINE 12KV	6825	1,594	0.41
201	213	THROCKMORTON	2090	58	0.40
202	181	ROUNDTOP	4490	54	0.39
203	214	ALPINE 12KV	3160	983	0.39
204	274	SA CONCHO	1700	195	0.38
205	193	AB COUNTRY CLUB	4855	302	0.38
206	243	BALLINGER	4395	391	0.37
207	84	VALENTINE	5590	711	0.35
208	239	ROTAN	1860	703	0.35
209	245	CHRISTOVAL	6620	443	0.33
210	68	ESTELLINE	3535	121	0.32
211	199	AB VOGEL ST	4410	327	0.32
212	65	EOLA	4950	236	0.32
213	74	PUTNAM	2129	222	0.32
214	189	CROWELL	3490	52	0.31
215	89	ELDORADO	2880	61	0.31
216	252	RISING STAR	5080	709	0.30
217	40	COLLEGE HILLS	4840	492	0.28
218	209	CROSS PLAINS	1795	617	0.28
219	52	SONORA 138 SUB	4805	562	0.28
220	164	OZONA	3555	32	0.28
221	41	VERNON	1750	97	0.28
222	341	AB MCMURRY	3245	882	0.27
223	79	AB VOGEL ST	4560	453	0.27
224	143	TALPA ATLANTIC	5180	81	0.27
225	372	AB REBECCA LANE	5555	999	0.27
226	55	PAINT ROCK	5235	187	0.27
227	170	CHILDRESS 69	1800	447	0.26
228	53	AB COUNTRY CLUB	4730	200	0.26
229	94	COLLEGE HILLS	4845	324	0.26
230	179	SA JACKSON ST	4690	408	0.25
231	153	EDEN	1780	279	0.25
232	119	SA JACKSON ST	4695	246	0.24
233	69	CROSS PLAINS	2920	567	0.24
234	67	SA WALNUT ST	3920	269	0.24
235	225	INDIAN MESA	2695	151	0.23

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
236	124	MERKEL	1890	600	0.23
237	287	CISCO	1675	897	0.22
238	New	BEST ATLANTIC	ATLB	22	0.22
239	43	ABILENE PLANT	1575	297	0.22
240	270	OZONA	4185	1,080	0.22
241	201	HIGHLAND	6385	735	0.21
242	221	SA CONCHO	1705	284	0.21
243	275	VERNON	3340	386	0.21
244	103	ALBANY	3640	311	0.21
245	311	MUNDAY	3365	448	0.21
246	64	ABILENE PLANT	1910	772	0.20
247	15	BRONTE	3560	125	0.20
248	211	ALBANY	2029	222	0.19
249	202	HAMLIN	3270	1,058	0.19
250	33	QUANAH	1830	591	0.19
251	130	AB EAST 12KV	4820	477	0.19
252	54	VALERA HUMBLE	7015	87	0.18
253	159	CHERRY CREEK TAP	5245	11	0.18
254	233	MENARD	3760	551	0.18
255	46	PADUCAH CITY	1930	555	0.18
256	338	CORINTH	2590	28	0.18
257	377	EDITH HUMBLE	6170	112	0.18
258	216	SA AVENUE N	1695	1,193	0.18
259	4	HUMBLE KEMPER	1490	17	0.18
260	273	CHRISTOVAL	6615	806	0.17
261	342	AB CANYON ROCK	5035	682	0.17
262	177	CAREY	6115	122	0.17
263	162	WAGGONER	5900	41	0.17
264	218	SA WALNUT ST	3915	528	0.17
265	113	WYLIE	2665	898	0.17
266	268	CISCO	1690	1,017	0.17
267	140	AB RAINEY CREEK	4220	131	0.16
268	318	JUNCTION	4335	611	0.16
269	9	QUANAH	3975	152	0.16
270	230	FT CHADBOURNE	6515	70	0.16
271	207	FT DAVIS	3345	128	0.16
272	13	BUSH KNOB	5200	286	0.15
273	92	KIRKLAND	3545	39	0.15
274	188	SA WALNUT ST	4635	1,424	0.15
275	101	RIO PECOS	513	40	0.15
276	31	HEDLEY	5870	88	0.15
277	317	SA SOUTHLAND HILLS	5055	566	0.15
278	330	SA WALNUT ST	3925	662	0.14
279	320	FT CHADBOURNE	6520	402	0.14
280	50	WINTERS	2113	815	0.14
281	353	MELVIN	4955	149	0.13
282	176	ROBY	2276	351	0.13
283	277	AB SHELTON ST	3050	1,267	0.13

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
284	95	HAMLIN	3775	353	0.12
285	365	AFTON	2355	52	0.12
286	300	MARFA	1900	780	0.12
287	7	SANTA ANNA	3415	481	0.12
288	139	RULE	3396	503	0.12
289	334	HIGHLAND	6370	557	0.11
290	336	ANSON REA (SEC)	5215	492	0.11
291	328	JUNCTION	4340	896	0.11
292	280	VERNON	1520	821	0.11
293	133	AB ELM CREEK	4745	722	0.11
294	257	SA AVENUE N	1730	743	0.11
295	236	SA SOUTHLAND HILLS	5050	793	0.11
296	364	VERNON CITY PLANT	5780	724	0.10
297	241	STERLING CITY	1445	714	0.10
298	152	CHILLICOTHE	4525	618	0.10
299	331	ELDORADO	1845	1,071	0.10
300	32	MORAN	2107	424	0.09
301	191	VERHALEN	4465	22	0.09
302	306	RULE	3378	134	0.09
303	107	SARAGOSA	1552	792	0.09
304	58	AB EAST 12KV	4830	790	0.09
305	262	SA SOUTHLAND HILLS	5455	627	0.09
306	324	FLOMOT	4089	83	0.09
307	185	ASPERMONT	3380	725	0.08
308	77	CHILDRESS 69	2800	710	0.08
309	131	SANTA ANNA	3420	267	0.08
310	110	ALBANY	3540	578	0.08
311	178	VERNON	4275	704	0.08
312	12	IRAAN	2055	350	0.08
313	138	JAYTON	6125	382	0.08
314	96	KNOX CITY	3300	629	0.08
315	343	AB SHELTON ST	3660	597	0.08
316	292	WOODSON OIL FIELD	30	40	0.08
317	351	TWILIGHT TRAIL	5855	602	0.07
318	134	AB ELM CREEK	1810	1,445	0.07
319	148	CROWELL	3980	758	0.07
320	359	IRAAN	4305	43	0.07
321	278	MIDWAY LANE	3440	86	0.07
322	27	OZONA	3810	811	0.07
323	39	MILES	4670	476	0.07
324	382	ANSON 12KV	6630	417	0.07
325	90	PADUCAH CITY	1935	422	0.06
326	142	WELLINGTON	3700	641	0.06
327	22	AILEEN	4605	414	0.06
328	303	ALBANY	3655	666	0.06
329	325	MENARD	3755	889	0.06
330	297	BALLINGER	4370	864	0.06
331	197	KNOX CITY	3390	239	0.06

AEP Texas North Company

2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
332	366	WYLIE	6340	1,278	0.06
333	264	AB MCMURRY	4355	1,170	0.06
334	157	SA SOUTH	3500	892	0.06
335	369	HASKELL 12KV	5240	186	0.05
336	326	AB HARTFORD ST	3690	170	0.05
337	370	SA JACKSON ST	4265	1,155	0.05
338	85	AB VOGEL ST	4405	706	0.05
339	266	BEN FICKLIN	6180	1,216	0.05
340	60	QUANAH	3530	582	0.05
341	116	AFTON	2225	62	0.05
342	100	BALLINGER	4375	1,205	0.05
343	358	BRADSHAW (CLIMAX)	11301	43	0.05
344	309	SA AVENUE N	1655	547	0.05
345	319	BARNHART	3725	112	0.05
346	21	BRONTE	4160	371	0.04
347	339	WYLIE	2675	887	0.04
348	279	AB COUNTRY CLUB	4725	150	0.04
349	23	ACME BESTWALL	4150	25	0.04
350	219	AB SHELTON ST	3145	926	0.04
351	310	SA JACKSON ST	4685	2,751	0.04
352	373	AB EAST 12KV	4825	556	0.04
353	281	CHILDRESS 20TH ST	5725	691	0.04
354	237	NORTH ANGELO 12KV BUS	3125	1,520	0.04
355	149	RANKIN	6400	282	0.04
356	350	AB VOGEL ST	4650	1,009	0.03
357	357	ANSON 12KV	6635	586	0.03
358	158	AB ELM CREEK	1825	771	0.03
359	344	TWILIGHT TRAIL	4285	1,395	0.03
360	59	MCELROY	5165	165	0.03
361	315	BENJAMIN (BEPC)	5680	177	0.03
362	136	WEINERT	6490	138	0.03
363	345	AFTON	2310	287	0.03
364	386	AB CANYON ROCK	5025	40	0.03
365	62	EDEN	3195	516	0.03
366	182	SA JACKSON ST	4250	215	0.02
367	146	SHAFTER	5110	50	0.02
368	137	SA AVENUE N	1975	438	0.02
369	14	ROWENA	4480	136	0.02
370	144	AB EAST 12KV	5760	1,086	0.01
371	48	AB ELM CREEK	4780	584	0.01
372	150	AILEEN	6435	494	0.01
373	269	VERNON CITY PLANT	5840	91	0.01
374	387	AB COUNTRY CLUB	4735	502	0.01
375	374	ASPERMONT	6640	94	0.01
376	New	SPUR	411	279	0.01
377	401	VERNON CITY PLANT	5785	193	0.01
378	180	AB RAINEY CREEK	4225	243	0.01
379	380	TWILIGHT TRAIL	3150	482	0.01

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2002 SAIFI Ranking	2001 SAIFI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIFI Value
380	128	SA WALNUT ST	3910	488	0.01
381	329	SPUR	414	279	0.01
382	385	AB REBECCA LANE	6915	996	0.01
383	154	AILEEN	4600	398	0.01
384	222	COLLEGE HILLS	5520	212	0.00
385	346	HIGHLAND	6380	2,137	0.00
386	378	MCCAMEY	3670	460	0.00
387	272	BEN FICKLIN	6185	589	0.00
388	145	COLLEGE HILLS	4835	296	0.00
389	283	GRAYBACK	3315	320	0.00
390	20	ABILENE PLANT	1740	183	0.00
391	267	COLLEGE HILLS	5515	185	0.00
392	395	CROSS PLAINS	5130	61	0.00
393	348	FT DAVIS	6570	135	0.00
394	397	HAMLIN SHELL	6330	23	0.00
395	308	KNOX CITY	3985	17	0.00
396	398	PADUCAH REA (GBEC)	13	104	0.00
397	161	SA CONCHO	1725	30	0.00
398	254	SWENSON	136	35	0.00
399	327	TRUSCOTT	3845	43	0.00
400	367	VERNON CITY PLANT	5770	386	0.00
401	368	VERNON CITY PLANT	5835	92	0.00
402	403	WEINERT	3363	138	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
With More Than 10 Customers

Total Number of Feeders: **402**

AEP Texas North Company

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
1	1	PECOS VALLEY	4080	57	1,002.80
2	115	PECOS VALLEY	4075	19	745.70
3	348	SHAMROCK	1835	75	635.60
4	15	AB ELMDALE	4520	75	618.90
5	235	CEDAR GAP (TEC)	5445	108	543.40
6	96	MASTERSON FIELD	2101	168	505.40
7	342	WELLINGTON	1770	233	435.90
8	52	PLASTERCO (MWEC)	2720	204	415.50
9	206	TWILIGHT TRAIL	4290	1,740	404.10
10	306	BIG LAKE	4655	1,116	395.90
11	3	DUNEFIELD (N CRANE)	3885	52	380.50
12	36	BIG LAKE	4665	403	379.40
13	267	SUN VALLEY	4300	93	339.30
14	259	TRENT	2850	18	338.10
15	266	BEN FICKLIN	6175	410	330.70
16	172	CLARENDON	4040	754	281.60
17	41	HAWLEY	4455	610	267.40
18	143	TUSCOLA	3305	1,032	266.10
19	274	AB OVER STREET 12KV	3140	581	264.30
20	103	AB DYESS 2	6335	369	263.00
21	New	AB ELM CREEK	1820	35	262.20
22	117	PECAN BAYOU	6810	651	251.60
23	314	AB MCMURRY	4510	744	250.60
24	24	ALPINE 12KV	3875	691	241.00
25	76	RIO PECOS	3835	145	237.90
26	367	SA MATHIS FIELD	5100	238	231.60
27	331	PEACOCK	43	50	227.80
28	7	TEXON	4345	135	217.70
29	84	MCCAMEY	2420	134	210.90
30	228	CLYDE	1755	112	199.70
31	31	BAIRD	5125	679	197.70
32	196	SHAMROCK	148	1,095	197.40
33	177	PECAN BAYOU	6815	1,197	193.60
34	393	ASPR CONTINENTAL	3830	13	179.20
35	255	SA EMERSON ST	4620	923	175.50
36	275	CLYDE	3630	330	174.00
37	246	AB MCMURRY	4350	1,140	173.70
38	213	CLYDE	1760	365	172.00
39	153	SA EMERSON ST	4630	373	171.30
40	209	CROSS PLAINS	2915	570	167.90
41	113	PAULANN	6280	681	166.50
42	85	MCCAMEY	2855	111	166.10
43	211	PUTNAM	2131	194	165.80

Service Quality Report to the Public Utility Commission of Texas

AEP Texas North Company

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
44	286	AB REBECCA LANE	2710	302	161.10
45	313	SA EMERSON ST	4860	396	159.40
46	174	TUSCOLA	3730	735	155.00
47	39	AB DYESS 1	1775	299	154.60
48	111	AB MCMURRY	3240	317	154.30
49	279	INDIAN MESA	2690	75	153.00
50	337	AB HARTFORD ST	3820	1,429	149.00
51	33	SA GRAPE CREEK	5365	133	148.90
52	287	SA EMERSON ST	4625	212	148.70
53	389	ABILENE PLANT	1915	93	147.70
54	12	SPUDDER FLAT	4175	60	146.70
55	126	PRESIDIO	4540	827	145.70
56	203	COLLEGE HILLS	6145	461	145.00
57	394	CROCKETT HEIGHTS	4668	80	140.30
58	87	MERKEL	1895	806	138.50
59	229	TANKERSLY (CVEC)	5260	691	134.90
60	258	PAINT CREEK	3930	39	134.40
61	35	SONORA	2045	801	131.00
62	4	MCCAMEY	2415	171	127.40
63	384	GRAYBACK	3320	30	123.80
64	43	ONYX REA	3260	103	120.70
65	68	SA GRAPE CREEK	4700	999	118.30
66	51	SARAGOSA	1590	16	118.30
67	353	GIRARD	6260	41	115.50
68	165	SA SOUTHLAND HILLS	5860	143	112.00
69	181	BRONTE AMBASSADOR	6650	29	111.30
70	199	PAULANN	6285	59	110.70
71	61	ROCHESTER	3290	65	110.70
72	New	BOBCAT HILLS	6655	10	109.90
73	120	AB MAPLE ST	5755	731	109.20
74	205	ASPR CONTINENTAL	4800	28	108.70
75	178	STAMFORD	6255	503	108.70
76	136	RANKIN	5735	17	107.70
77	83	AB ELM CREEK	1815	503	106.40
78	305	STAMFORD	2835	295	105.50
79	16	PAULANN	6310	583	105.30
80	158	WINTERS	3765	1,051	104.00
81	355	STAMFORD	4565	937	101.20
82	216	NORTH ANGELO 12KV BUS	3120	1,039	100.70
83	320	SA SOUTH	2595	339	99.60
84	91	BRONTE	3590	151	98.30
85	350	WELLINGTON	1765	852	97.80
86	207	MUNDAY REA (BKEC)	2015	56	95.80
87	187	TRENT	4245	289	94.60
88	230	ROBERT LEE	4120	287	92.90
89	292	MATADOR	3090	267	91.80
90	11	POWELL FIELD	2529	14	91.70
91	124	PRESIDIO	6135	1,022	89.80

AEP Texas North Company

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
92	69	SA GRAPE CREEK	5220	705	89.20
93	55	AB RAINEY CREEK	4550	377	89.00
94	19	MEMPHIS	3025	416	86.70
95	121	MEMPHIS	3335	1,009	82.80
96	298	AB OVER STREET 12KV	1635	356	82.40
97	26	ROCHESTER	3295	282	82.20
98	184	MUNDAY	2080	769	82.00
99	189	WEST YATES	5595	151	81.40
100	166	AB SHELTON ST	3040	404	79.50
101	5	FREISS RANCH	4870	56	77.60
102	8	PERKINS PROTHO	5846	18	76.90
103	250	AB SHELTON ST	3060	1,705	76.80
104	358	ONYX REA	3255	103	76.60
105	60	SHEFFIELD	6430	209	76.50
106	170	SA MATHIS FIELD	4790	31	75.60
107	193	BAIRD	5120	429	75.40
108	364	CHILDRESS 20TH ST	5720	124	74.10
109	257	HIGHLAND	6375	189	74.10
110	New	BEST ATLANTIC	ATLB	22	73.60
111	315	CEDAR GAP (TEC)	4115	40	71.90
112	272	ROTAN	1865	360	71.90
113	243	SA SOUTH	3990	320	71.70
114	2	QUANAH	100	52	71.40
115	399	SA SOUTH	4255	173	70.60
116	48	AB MAPLE ST	5750	103	69.50
117	226	AB HARTFORD ST	3685	244	68.70
118	109	HAROLD	1495	41	66.70
119	46	POWELL FIELD	2528	35	66.40
120	58	MERTZON (CVEC)	2905	210	65.70
121	261	SAND ROAD	5295	425	65.30
122	49	MORAN	2108	201	65.20
123	332	AB SHELTON ST	4640	775	64.10
124	162	CHILDRESS 69	1480	424	62.60
125	204	ALPINE 12KV	3155	804	61.60
126	212	AB MCMURRY	3235	356	61.20
127	127	FT DAVIS	4515	397	61.10
128	90	SA COKE ST	3905	116	60.00
129	326	TURKEY	2980	379	59.00
130	217	CISCO	1680	571	58.80
131	66	SA LAKE DR	5865	1,134	58.20
132	284	AB OVER STREET 12KV	1840	823	58.00
133	240	NORTH ANGELO 12KV BUS	3115	214	57.40
134	218	CHRISTOVAL	6620	443	57.20
135	71	ESTELLINE	3535	121	56.90
136	106	THROCKMORTON	3190	708	56.00
137	102	SA COKE ST	4910	951	55.50
138	270	AB OVER STREET 12KV	1645	502	55.40
139	128	AB OIL MILL	3900	648	54.70

AEP Texas North Company

2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
140	388	ABILENE PLANT	1580	88	54.30
141	242	AB REBECCA LANE	5550	598	54.00
142	262	NORTH ANGELO 12KV BUS	3130	378	54.00
143	86	AB ELM CREEK	4775	594	53.60
144	155	CHILDRESS 69	4865	889	51.60
145	134	CISCO	1685	192	50.90
146	99	RISING STAR	5075	453	50.40
147	236	AB HARTFORD ST	3815	675	50.20
148	95	AB WALNUT ST	3110	604	49.00
149	98	AB ELM CREEK	5045	603	48.80
150	45	AB OIL MILL	2780	453	47.90
151	323	MCCAMEY	2830	979	46.80
152	278	AB SHELTON ST	3435	337	46.60
153	119	BRADY	5015	202	46.50
154	231	SA LAKE DR	5880	1,578	45.80
155	363	SPUR	5170	1,150	45.60
156	285	SPUR	417	100	45.20
157	383	SA CONCHO	1715	277	45.10
158	253	AB RAINEY CREEK	4270	787	44.50
159	291	STAMFORD	2815	726	44.20
160	354	AB MCMURRY	4360	1,258	43.30
161	238	SA JACKSON ST	4260	696	42.90
162	281	HASKELL 12KV	3770	719	42.50
163	186	THROCKMORTON	2090	58	41.90
164	123	AB OIL MILL	3895	307	40.80
165	201	CLYDE	3635	568	40.20
166	324	ROBERT LEE	4125	687	39.80
167	133	TALPA ATLANTIC	5180	81	39.40
168	276	SAND ROAD	5655	734	39.10
169	130	HASKELL 12KV	3495	1,229	38.80
170	310	SAND ROAD	5195	643	38.40
171	173	SAND ROAD	5290	750	38.10
172	233	ALPINE 12KV	3160	983	37.70
173	139	SHAMROCK	144	523	37.00
174	157	INDIAN MESA	2695	151	34.10
175	149	MATADOR	3030	543	33.30
176	268	CLARENDON	5005	761	33.10
177	89	SONORA 138 SUB	4810	830	33.00
178	141	SA COKE ST	4915	198	32.90
179	269	MUNDAY	6715	255	32.70
180	171	ROBY	3795	89	32.70
181	38	AB WALNUT ST	3785	1,839	32.60
182	192	RANKIN	6405	319	32.50
183	234	AB CANYON ROCK	5030	429	32.30
184	341	MARFA	1905	698	32.30
185	59	VALENTINE	5590	711	32.20
186	190	AB COUNTRY CLUB	4855	302	32.10
187	308	HEDLEY	5845	321	31.90

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2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
188	54	SA SOUTH	3995	554	31.60
189	248	MENARD	3760	551	31.30
190	339	AB SHELTON ST	3045	468	31.10
191	114	AB WALNUT ST	3445	790	31.10
192	50	ABILENE PLANT	1570	279	31.10
193	27	CHILLICOTHE	4530	581	31.10
194	400	TEXON	5175	205	30.90
195	44	PUTNAM	2129	222	30.10
196	94	SONORA 138 SUB	4805	562	30.00
197	223	CHRISTOVAL	6615	806	29.80
198	144	AB VOGEL ST	4560	453	29.60
199	208	SPUDDER FLAT	4180	65	29.60
200	97	SA SOUTH	4795	208	29.10
201	280	SA LAKE DR	6030	962	28.80
202	53	VALERA HUMBLE	7015	87	28.40
203	67	SA WALNUT ST	3920	269	27.90
204	232	AB VOGEL ST	4410	327	27.00
205	112	COLLEGE HILLS	4840	492	26.20
206	215	HIGHLAND	6385	735	26.20
207	29	QUANAH	3100	805	26.10
208	377	WINTERS	2740	110	25.90
209	135	MILES	4670	476	25.80
210	116	CROSS PLAINS	2920	567	25.50
211	30	EOLA	4950	236	25.50
212	175	ROUNDTOP	4490	54	25.40
213	142	SA JACKSON ST	4695	246	24.70
214	321	ALPINE 12KV	6820	684	24.40
215	118	CROWELL	3490	52	24.40
216	100	AB COUNTRY CLUB	4730	200	23.70
217	202	VERNON	5000	509	22.40
218	25	MERKEL	1890	600	21.50
219	376	EDITH HUMBLE	6170	112	20.50
220	140	IRAAN	2050	432	20.40
221	214	SA WALNUT ST	3915	528	20.40
222	81	ABILENE PLANT	1910	772	20.00
223	167	MERTZON (CVEC)	1530	635	19.70
224	222	FT CHADBOURNE	6515	70	19.50
225	273	ALPINE 12KV	6825	1,594	19.30
226	295	ROARING SPRINGS	6155	36	19.30
227	347	AB MCMURRY	3245	882	18.80
228	64	PAINT ROCK	5235	187	18.80
229	180	EDEN	1780	279	18.70
230	293	BALLINGER	4395	391	18.50
231	131	CAREY	6115	122	18.50
232	370	ABILENE PLANT	3175	295	18.20
233	290	OZONA	4185	1,080	18.20
234	271	SA CONCHO	1700	195	18.10
235	277	AB CANYON ROCK	5035	682	17.30

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2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
236	148	COLLEGE HILLS	4845	324	16.90
237	371	ABILENE PLANT	1735	150	16.60
238	47	BUSH KNOB	5200	286	16.60
239	254	RISING STAR	5080	709	16.60
240	311	SA WALNUT ST	3925	662	16.30
241	56	CHERRY CREEK TAP	5245	11	15.70
242	122	AB ELM CREEK	1810	1,445	15.50
243	63	RIO PECOS	513	40	15.50
244	28	OZONA	3555	32	15.40
245	183	HAROLD	3055	40	15.10
246	40	WAGGONER	5900	41	15.10
247	77	TURKEY	3825	359	14.80
248	366	AB REBECCA LANE	5555	999	14.60
249	160	ALBANY	2029	222	14.40
250	21	QUANAH	1830	591	14.20
251	338	CORINTH	2590	28	14.10
252	169	SA JACKSON ST	4690	408	13.80
253	73	WYLIE	2665	898	13.80
254	198	SA CONCHO	1705	284	13.70
255	237	CROSS PLAINS	1795	617	13.30
256	260	SA SOUTHLAND HILLS	5055	566	13.10
257	294	CISCO	1690	1,017	13.00
258	105	SA SOUTH	3500	892	12.90
259	210	FT DAVIS	3345	128	12.70
260	327	HIGHLAND	6370	557	12.70
261	13	QUANAH	3975	152	12.70
262	301	CISCO	1675	897	12.60
263	37	HEDLEY	5870	88	12.00
264	343	MELVIN	4955	149	12.00
265	263	SA AVENUE N	1730	743	11.90
266	185	ALBANY	3640	311	11.60
267	92	RULE	3396	503	11.60
268	309	FT CHADBOURNE	6520	402	11.50
269	244	AB EAST 12KV	4820	477	11.40
270	249	AB MCMURRY	4355	1,170	11.10
271	20	SANTA ANNA	3415	481	11.00
272	282	VERNON	3340	386	11.00
273	129	JAYTON	6125	382	10.80
274	164	CHILDRESS 69	1800	447	10.60
275	79	ABILENE PLANT	1575	297	10.40
276	252	SA AVENUE N	1695	1,193	10.40
277	299	AB SHELTON ST	3050	1,267	10.20
278	154	ELDORADO	2880	61	10.20
279	330	JUNCTION	4335	611	10.00
280	182	SA WALNUT ST	4635	1,424	10.00
281	247	MIDWAY LANE	3440	86	9.80
282	82	BRONTE	3560	125	9.50
283	374	VERNON CITY PLANT	5780	724	9.40

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2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
284	297	WOODSON OIL FIELD	30	40	9.40
285	176	KIRKLAND	3545	39	9.20
286	200	ROBY	2276	351	9.10
287	22	MORAN	2107	424	9.00
288	312	ROTAN	1860	703	8.90
289	241	SA SOUTHLAND HILLS	5050	793	8.90
290	361	AFTON	2355	52	8.80
291	303	ABILENE PLANT	1565	283	8.60
292	195	HAMLIN	3775	353	8.50
293	227	SA SOUTHLAND HILLS	5455	627	8.30
294	316	TWILIGHT TRAIL	5855	602	8.10
295	125	AB ELM CREEK	4745	722	7.90
296	368	SA JACKSON ST	4265	1,155	7.90
297	108	CHILDRESS 69	2800	710	7.70
298	110	VERNON	1750	97	7.60
299	352	AB SHELTON ST	3660	597	7.40
300	333	ANSON REA (SEC)	5215	492	7.20
301	256	STERLING CITY	1445	714	7.20
302	80	PADUCAH CITY	1930	555	6.90
303	6	HUMBLE KEMPER	1490	17	6.70
304	151	AB RAINEY CREEK	4220	131	6.40
305	221	HAMLIN	3270	1,058	6.30
306	304	AB HARTFORD ST	3690	170	6.20
307	251	BEN FICKLIN	6180	1,216	6.20
308	317	FLOMOT	4089	83	6.20
309	18	OZONA	3810	811	6.20
310	23	QUANAH	3530	582	6.10
311	156	VERHALEN	4465	22	5.90
312	359	MUNDAY	3365	448	5.80
313	197	ALBANY	3540	578	5.70
314	265	BARNHART	3725	112	5.60
315	62	AILEEN	4605	414	5.20
316	72	WINTERS	2113	815	5.10
317	145	AFTON	2225	62	4.90
318	132	ASPERMONT	3380	725	4.90
319	101	SARAGOSA	1552	792	4.80
320	344	MARFA	1900	780	4.70
321	150	VERNON	4275	704	4.50
322	318	ALBANY	3655	666	4.40
323	10	CROWELL	3980	758	4.40
324	340	JUNCTION	4340	896	4.30
325	75	CHILLICOTHE	4525	618	4.10
326	302	RULE	3378	134	4.10
327	88	AB EAST 12KV	4830	790	3.90
328	372	HASKELL 12KV	5240	186	3.90
329	42	IRAAN	2055	350	3.90
330	17	MCELROY	5165	165	3.90
331	325	WYLIE	2675	887	3.90

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2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
332	288	SA JACKSON ST	4685	2,751	3.80
333	225	NORTH ANGELO 12KV BUS	3125	1,520	3.60
334	245	VERNON	1520	821	3.60
335	369	WYLIE	6340	1,278	3.50
336	194	AB SHELTON ST	3145	926	3.40
337	356	AFTON	2310	287	3.40
338	346	TWILIGHT TRAIL	4285	1,395	3.40
339	147	WELLINGTON	3700	641	3.40
340	379	ANSON 12KV	6630	417	3.30
341	328	SA AVENUE N	1655	547	3.30
342	283	CHILDRESS 20TH ST	5725	691	3.20
343	336	ELDORADO	1845	1,071	3.20
344	161	KNOX CITY	3300	629	3.20
345	219	KNOX CITY	3390	239	3.10
346	224	BALLINGER	4375	1,205	2.80
347	104	PADUCAH CITY	1935	422	2.80
348	138	AB VOGEL ST	4405	706	2.70
349	334	MENARD	3755	889	2.70
350	329	AB COUNTRY CLUB	4725	150	2.60
351	349	BALLINGER	4370	864	2.60
352	179	RANKIN	6400	282	2.40
353	386	AB CANYON ROCK	5025	40	2.30
354	378	AB EAST 12KV	4825	556	2.30
355	93	BRONTE	4160	371	2.30
356	168	SANTA ANNA	3420	267	2.30
357	9	SHAFTER	5110	50	2.30
358	307	BENJAMIN (BEPC)	5680	177	2.00
359	65	EDEN	3195	516	1.90
360	373	ANSON 12KV	6635	586	1.80
361	362	BRADSHAW (CLIMAX)	11301	43	1.80
362	380	IRAAN	4305	43	1.80
363	137	AB EAST 12KV	5760	1,086	1.70
364	152	WEINERT	6490	138	1.70
365	14	ACME BESTWALL	4150	25	1.30
366	289	GRAYBACK	3315	320	1.30
367	220	SA JACKSON ST	4250	215	1.30
368	360	AB VOGEL ST	4650	1,009	1.20
369	107	AB ELM CREEK	1825	771	1.00
370	375	TWILIGHT TRAIL	3150	482	1.00
371	401	VERNON CITY PLANT	5785	193	1.00
372	387	AB COUNTRY CLUB	4735	502	0.80
373	159	AB RAINEY CREEK	4225	243	0.80
374	70	AILEEN	6435	494	0.80
375	300	VERNON CITY PLANT	5840	91	0.60
376	32	AB ELM CREEK	4780	584	0.50
377	385	AB REBECCA LANE	6915	996	0.50
378	381	ASPERMONT	6640	94	0.50
379	357	HIGHLAND	6380	2,137	0.50

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2002 SAIDI Ranking	2001 SAIDI Ranking	Substation Identification	Feeder ID	Number of Customers	2002 SAIDI Value
380	57	ROWENA	4480	136	0.50
381	191	SA AVENUE N	1975	438	0.50
382	146	COLLEGE HILLS	5520	212	0.40
383	78	SA WALNUT ST	3910	488	0.40
384	New	SPUR	411	279	0.30
385	163	AILEEN	4600	398	0.20
386	239	BEN FICKLIN	6185	589	0.20
387	188	COLLEGE HILLS	4835	296	0.20
388	382	MCCAMEY	3670	460	0.20
389	345	SPUR	414	279	0.20
390	74	ABILENE PLANT	1740	183	0.00
391	322	COLLEGE HILLS	5515	185	0.00
392	395	CROSS PLAINS	5130	61	0.00
393	351	FT DAVIS	6570	135	0.00
394	397	HAMLIN SHELL	6330	23	0.00
395	319	KNOX CITY	3985	17	0.00
396	398	PADUCAH REA (GBEC)	13	104	0.00
397	34	SA CONCHO	1725	30	0.00
398	296	SWENSON	136	35	0.00
399	264	TRUSCOTT	3845	43	0.00
400	335	VERNON CITY PLANT	5770	386	0.00
401	365	VERNON CITY PLANT	5835	92	0.00
402	403	WEINERT	3363	138	0.00

AEP Texas North Company

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2002 Reporting Year

Causes of Forced Interruptions	Percentage
Animals and Birds	15.23%
Other	3.43%
People	2.66%
Unknown	9.12%
Utility-owned Equipment	18.25%
Vegetation	10.39%
Weather (Including Lightning)	40.92%