



Control Number: 47924



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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2017 Reporting Year

AEP Southwestern Electric Power

Project 47924

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2017	1.50295	0.13452	0.11794	0.16213	0.19857	0.11424	0.11939	0.14933	0.16560	0.06473	0.16256	0.05316	0.06081
Scheduled													
2017	0.06096	0.01508	0.00015	0.00312	0.00162	0.00132	0.00973	0.01325	0.00665	0.00108	0.00576	0.00219	0.00101
Outside Causes													
2017	0.13805	0.00553	0.00019	0.01550	0.01097	0.00865	0.02813	0.00349	0.04041	0.00899	0.00558	0.00327	0.00733
Major Events													
2017	0.79887				0.04769	0.58411	0.03726	0.12917	0.00065				

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2017	179.76470	16.49918	11.82855	20.39023	21.94458	15.40225	17.91459	22.13409	18.37376	4.86374	18.67667	6.05905	5.67797
Scheduled													
2017	3.98336	0.30644	0.00856	0.29401	0.25820	0.22407	0.28374	0.39657	0.78674	0.11755	0.78166	0.35556	0.17029
Outside Causes													
2017	12.73721	0.52193	0.02970	0.13821	1.68660	0.36569	2.98157	0.64315	4.84185	0.19993	0.39913	0.39974	0.52972
Major Events													
2017	642.26058				19.33183	572.34951	10.28009	40.25268	0.04647				

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 10 or more Customers

275

Add or Delete Rows as Necessary

AEP Southwestern Electric Power

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
1	214	MT VERNON	9612760	877	7.30103
2	1	LONDON	965950	317	6.68454
3	184	GRAND SALINE	967120	1,994	6.31545
4	48	MARSHALL 69KV	962000	238	5.88235
5	242	FRIARS SWITCH	965780	143	5.68531
6	33	CENTER	968140	1,066	5.35460
7	96	LEVERETTS CHAPEL	965200	420	5.32857
8	7	TURNERTOWN	961B10	51	5.27451
9	17	FRIARS SWITCH	965790	404	4.76980
10	84	SABINE	965120	100	4.71000
11	46	HOWELL	962B80	422	4.41706
12	44	LONDON	965940	311	4.22508
13	11	LONDON	965930	465	4.10108
14	8	FRIARS SWITCH	961900	193	3.92746
15	34	SABINE	965110	454	3.91630
16	109	SUPERIOR	963750	45	3.64444
17	175	TAYLOR STREET	965080	495	3.42424
18	18	NORTH LANEVILLE	9610660	475	3.40421
19	110	WEST MT PLEASANT	961G70	112	3.37500
20	157	CENTER	969520	1,090	3.28807
21	114	TEXARKANA PLANT	966570	78	3.26923
22	20	MONROE CORNERS	966520	223	3.24664
23	74	TAYLOR STREET	964290	916	3.21070
24	71	TAYLOR STREET	96220	1,377	3.18083
25	275	WEST MT PLEASANT	961G90	250	3.14000
26	88	CLARKSVILLE	969200	689	3.09724
27	120	WEST MT PLEASANT	961L00	178	3.04494
28	91	VIVIAN	968990	110	3.02727
29	16	POYNTER	967800	177	3.01130
30	170	LIEBERMAN	961X30	10	3.00000
31	68	FRIARS SWITCH	965920	234	2.99573
32	209	TEXARKANA OPERATIONS	9611630	625	2.97120
33	104	PITTSBURG	965450	1,168	2.94178
34	158	SPRINGHILL	968200	675	2.90963
35	183	TAYLOR STREET	969510	1,071	2.85341
36	36	WASKOM	968180	650	2.82615
37	164	NEW HOPE	968000	1,410	2.82199
38	217	COOKVILLE	961E60	114	2.76316
39	69	HOWELL	9613660	229	2.75546
40	9	LOGANSPOUT	965770	304	2.74671
41	95	LAKE LAMOND	964400	709	2.72779
42	5	TEXARKANA OPERATIONS	967240	936	2.72756
43	259	HALLSVILLE	9616250	791	2.72314
44	238	AIRLINE	961F10	813	2.64822

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
45	219	MT PLEASANT	965190	645	2.60775
46	59	PLILER ROAD	9612470	2,865	2.60663
47	198	GATES STREET	961X70	316	2.50633
48	182	NAPLES SUB	968730	914	2.46827
49	235	TAYLOR STREET	967920	385	2.43117
50	118	CLARKSVILLE	963660	155	2.40645
51	197	SPRINGHILL	968190	839	2.37426
52	126	CLARKSVILLE	969180	472	2.36017
53	42	WHITNEY	964420	494	2.35223
54	23	TURNERTOWN	961B20	414	2.33333
55	189	SOUTHEAST LONGVIEW	961780	577	2.33102
56	3	PITTSBURG	965460	1,375	2.32800
57	128	PITTSBURG	968680	282	2.31915
58	90	MT VERNON	969140	390	2.31795
59	152	HEDLEY	96NT5870	132	2.31061
60	40	TURNERTOWN	961B00	23	2.30435
61	57	CARTHAGE	963360	375	2.30133
62	39	HARRISON ROAD	9611880	2,092	2.28011
63	106	HOOKS	9610950	507	2.27613
64	New	RODESSA	9617310	274	2.27007
65	230	GREGGTON	961V20	1,567	2.24825
66	253	KILGORE	967870	491	2.21996
67	179	HOWELL	962B90	1,279	2.21814
68	205	KILGORE	967880	1,529	2.21125
69	241	TAYLOR STREET	966760	1,121	2.20517
70	14	KILGORE	963090	389	2.20051
71	61	MT PLEASANT	965370	1,216	2.18832
72	101	LIBERTY CITY	967990	1,000	2.18500
73	207	SPRINGHILL	966870	957	2.15883
74	167	TEXARKANA OPERATIONS	961S90	192	2.14063
75	130	CARTHAGE	965760	935	2.09091
76	66	SOUTHEAST LONGVIEW	964190	255	2.06275
77	29	TEXARKANA OPERATIONS	967830	874	2.04119
78	92	WELLINGTON	96NT1770	281	2.01779
79	132	NEW GLADEWATER	9611970	1,684	1.99050
80	185	NASH	9615120	853	1.98710
81	187	SOUTHEAST MARSHALL	9610180	1,381	1.97755
82	276	CENTER	962180	43	1.97674
83	4	KILGORE	963150	607	1.94893
84	218	AIRLINE	961F00	1,114	1.94075
85	149	VIVIAN	968980	47	1.93617
86	63	HOOKS	9610960	1,345	1.89517
87	25	TEXARKANA PLANT	967960	1,359	1.85430
88	53	NORTH MINEOLA	965380	339	1.84956
89	21	LONE STAR POWER PLANT	966120	12	1.83333
90	180	BLOOMBURG	967350	329	1.83283
91	113	NORTH MARSHALL	969800	1,076	1.82993
92	201	RICHMOND ROAD	966980	1,391	1.82674
93	60	WINNSBORO	962050	1,151	1.82016

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94	12	LONGVIEW	965520	1,199	1.78315
95	261	MT VERNON	969130	462	1.72727
96	41	HARRISON ROAD	9611870	2,368	1.72424
97	181	WINNSBORO	961P00	814	1.72359
98	140	GILMER	962490	1,558	1.72272
99	178	CLARKSVILLE	969190	1,088	1.69577
100	247	GREGGTON	961F70	1,690	1.68343
101	52	RICHMOND ROAD	964020	918	1.67320
102	103	BECKVILLE	961U50	344	1.65698
103	13	NORTH MARSHALL	968660	616	1.65260
104	195	CITY LAKE	9619220	541	1.63956
105	119	39TH STREET	961V70	51	1.60784
106	177	CLARKSVILLE	969210	800	1.60125
107	2	NEW BOSTON	969620	369	1.59079
108	64	SCOTTSVILLE	961J10	840	1.58571
109	19	NAPLES SUB	963290	471	1.57537
110	100	BIG SANDY	967310	645	1.57054
111	251	TENAHA	962500	412	1.55097
112	160	LONGVIEW HEIGHTS	968430	777	1.54440
113	171	LINDEN	9610020	335	1.50746
114	115	ATLANTA	961U80	686	1.50437
115	267	SHAMROCK	96NT1835	255	1.49412
116	143	POYNTER	967680	856	1.48014
117	76	LONGVIEW	966770	1,056	1.47822
118	38	GILMER	962450	869	1.47066
119	112	HEDLEY	96NT5845	249	1.45783
120	107	IPC JEFFERSON	968020	886	1.44357
121	165	HAWKINS	962520	390	1.43590
122	137	COOKVILLE	961E70	197	1.40609
123	145	ALBA	9612400	605	1.40496
124	116	KILGORE	964650	497	1.39638
125	231	LONGVIEW HEIGHTS	968440	228	1.39035
126	190	WELLINGTON	96NT1765	565	1.38407
127	194	BALDWIN	962200	19	1.36842
128	43	TATUM	9610840	730	1.36438
129	254	KILGORE	967850	109	1.33028
130	265	LONGVIEW HEIGHTS	969000	854	1.33021
131	15	CARTHAGE	963350	516	1.32946
132	62	WHITNEY	961480	1,619	1.32057
133	32	SOUTHEAST MARSHALL	967580	933	1.31083
134	174	SCOTTSVILLE	961J30	475	1.30947
135	6	ESTELLINE	96NT3535	122	1.29508
136	135	NEW HOPE	962120	484	1.27686
137	27	WASKOM	967890	572	1.27098
138	150	HALLSVILLE	9615920	573	1.25829
139	98	GILMER	962480	593	1.25126
140	138	HAWKINS	962530	99	1.24242
141	248	MARSHALL 69KV	964630	1,087	1.23827
142	222	MEMPHIS	96NT3025	310	1.22581

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143	85	KINGS HWY	969040	938	1.21429
144	246	SOUTHEAST MARSHALL	9610920	785	1.18981
145	249	WHITNEY	961490	1,445	1.18478
146	134	ATLANTA	964460	1,169	1.17707
147	54	MINEOLA	9610990	926	1.17603
148	273	CITY LAKE	9619120	434	1.17281
149	45	MINEOLA	969360	486	1.16255
150	262	MEMPHIS	96NT3335	1,108	1.16065
151	35	LONGVIEW	965510	570	1.15789
152	146	GATES STREET	961X40	383	1.15666
153	225	CITY LAKE	9619090	307	1.14332
154	87	MARSHALL 69KV	96580	841	1.12723
155	173	DAINGERFIELD	961950	160	1.10000
156	77	LEVERETTS CHAPEL	9610850	347	1.06052
157	37	NEW BOSTON	965140	1,435	1.04948
158	192	ATLANTA	962140	1,737	1.04836
159	202	ATLANTA	968070	259	1.04633
160	86	WESTWOOD	963710	44	1.04545
161	258	GATES STREET	961X60	319	1.04075
162	10	PLILER ROAD	9610370	3,323	1.03130
163	144	EVENSIDE	961F90	1,747	1.02232
164	136	CLARKSVILLE	963670	128	1.00781
165	139	LAKE LAMOND	969770	288	0.96875
166	159	PETTY	9611460	511	0.96673
167	51	ATLANTA	962150	623	0.91814
168	89	NEW GLADEWATER	9611980	1,067	0.91753
169	93	KINGS HWY	969030	925	0.91568
170	226	KILGORE	967860	381	0.81627
171	237	HOWELL	962B60	155	0.80645
172	163	SOUTHEAST MARSHALL	9610160	1,840	0.79565
173	264	WINFIELD	964100	127	0.79528
174	199	RICHMOND ROAD	965290	1,341	0.79418
175	117	DEKALB	962430	875	0.78743
176	81	SOUTHEAST MARSHALL	9610170	1,090	0.78624
177	83	NEW BOSTON	969610	812	0.77833
178	122	MARSHALL 69KV	96590	726	0.77548
179	105	SABINE	965130	1,497	0.76152
180	154	GREGGTON	961F50	354	0.75706
181	216	LINDEN	962540	934	0.75161
182	227	TENAHA	962510	339	0.74041
183	22	DEKALB	962440	525	0.72381
184	56	CARTHAGE	963370	502	0.72112
185	239	CLARENDON	96NT4040	695	0.72086
186	82	KILGORE	967190	763	0.71035
187	156	NAPLES SUB	968720	203	0.70443
188	67	GREGGTON	961F60	97	0.70103
189	245	ROSEBOROUGH	9610090	20	0.70000
190	31	POYNTER	963270	863	0.68830
191	108	LOUISIANA PACIFIC	968030	422	0.68483

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2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
192	186	MONROE CORNERS	966510	60	0.68333
193	73	TEXARKANA OPERATIONS	961S80	977	0.67451
194	58	HARRISON ROAD	968040	2,098	0.66444
195	142	HAWKINS	969410	195	0.65128
196	220	GRAND SALINE	967110	283	0.64664
197	208	39TH STREET	962640	521	0.63724
198	94	NEW BOSTON	961620	944	0.63559
199	155	LAKE LAMOND	969440	347	0.63112
200	30	39TH STREET	962630	1,339	0.62584
201	215	DAINGERFIELD	961970	668	0.61677
202	274	IPC 69KV	961R60	39	0.61538
203	141	DEKALB	963200	394	0.61168
204	236	HUGHES SPRINGS	961Z00	756	0.60582
205	210	SUGAR HILL	962370	369	0.60163
206	240	RICHMOND ROAD	968050	1,293	0.60015
207	151	NORTH MARSHALL	968670	833	0.58223
208	28	PLILER ROAD	9610380	1,801	0.54803
209	24	LOUISIANA PACIFIC	962260	708	0.53955
210	243	AIRLINE	961S30	116	0.53448
211	206	JEFFERSON 69KV	969340	961	0.53174
212	133	LAKE LAMOND	968570	768	0.51823
213	229	LAKE LAMOND	964070	1,888	0.51377
214	111	WINNSBORO	962040	520	0.51154
215	153	LEVERETTS CHAPEL	965700	148	0.50000
216	99	RICHMOND ROAD	961L40	395	0.49620
217	72	WHITNEY	964090	1,056	0.48295
218	55	LAKE LAMOND	961380	1,912	0.48222
219	255	WELLINGTON	96NT3700	749	0.45394
220	127	EVENSIDE	961G00	910	0.45385
221	162	MT PLEASANT	961930	1,128	0.41844
222	75	POYNTER	967590	991	0.41372
223	49	KNOX LEE	961U90	175	0.40000
224	224	MINEOLA	967130	956	0.39958
225	47	39TH STREET	961V60	603	0.37811
226	203	CAREY	96NT6115	115	0.37391
227	233	AIRLINE	961N30	1,833	0.37261
228	232	LONGVIEW HEIGHTS	969240	991	0.36630
229	252	SHAMROCK	96NT144	655	0.35420
230	256	NASH	9614640	183	0.32787
231	228	BECKVILLE	969120	303	0.32673
232	148	EVENSIDE	961G10	1,048	0.30725
233	26	NORTH MARSHALL	967600	681	0.30690
234	193	KINGS HWY	969540	1,820	0.29835
235	223	RED RIVER DEPOT	9612440	74	0.29730
236	257	39TH STREET	962610	138	0.29710
237	80	TEXARKANA PLANT	967970	217	0.29032
238	250	CLARENDON	96NT5005	831	0.28279
239	269	AIRLINE	961E90	1,280	0.27109
240	65	GREGGTON	962A90	576	0.25694

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2017 SAIFI Ranking	2016 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIFI Value
241	234	HAWKINS	966310	143	0.23077
242	129	CARTHAGE	9610240	1,034	0.22727
243	212	WINFIELD	962B70	573	0.22339
244	161	HALLSVILLE	9616240	1,032	0.21705
245	196	HUGHES SPRINGS	965650	555	0.19099
246	200	DAINGERFIELD	961960	1,137	0.18821
247	124	WASKOM	967900	640	0.17500
248	79	MINEOLA	963680	825	0.17212
249	131	LONGVIEW HEIGHTS	961B40	1,613	0.16925
250	211	SHAMROCK	96NT148	774	0.16796
251	213	NASH	9615130	1,200	0.16333
252	260	LAKE LAMOND	966850	555	0.15495
253	244	BIG SANDY	967300	683	0.15227
254	204	WHITNEY	964080	812	0.15025
255	147	TEXARKANA PLANT	967980	161	0.14907
256	271	12TH STREET	962230	89	0.14607
257	221	NASH	9614710	14	0.14286
258	176	LONGVIEW	965530	142	0.12676
259	121	POYNTER	969550	294	0.12245
260	168	MT PLEASANT	965360	683	0.10395
261	78	LAKE LAMOND	969430	578	0.10035
262	166	LAKE LAMOND	966860	32	0.09375
263	102	CENTER	962190	1,006	0.09344
264	266	MT PLEASANT	961920	142	0.07746
265	70	RED RIVER DEPOT	9612460	13	0.07692
266	123	PETTY	9611470	785	0.04586
267	188	PETTY	968370	188	0.04255
268	270	LONE STAR SHELL ORDNANCE	9616030	26	0.03846
269	169	LONGVIEW	965550	112	0.01786
270	268	JEFFERSON 69KV	969350	142	0.01408
271	272	CITY LAKE	9619210	100	0.00000
272	263	12TH STREET	966180	50	0.00000
273	125	WHITNEY	961A00	42	0.00000
274	191	PLEASANT HILL	9611894	21	0.00000
275	172	LONGVIEW	965540	117	0.00000

Feeders from last year that are not in this year's list

2016 Ranking	Substation Identification	Feeder ID	Reason not in 2016
50	RODESSA	962700	retired
97	PILGRIMS PRIDE	966150	retired

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 10 or more Customers

275

Add or Delete Rows as Necessary

AEP Southwestern Electric Power

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
1	3	LOGANSPOUT	965770	304	1,437.19737
2	142	VIVIAN	968990	110	1,271.44545
3	224	FRIARS SWITCH	965780	143	992.34266
4	225	MT VERNON	9612760	877	926.76169
5	5	LONDON	965950	317	924.05363
6	114	LEVERETTS CHAPEL	965200	420	918.95476
7	80	LIEBERMAN	961X30	10	918.00000
8	110	NEW HOPE	968000	1,410	892.54184
9	35	LONDON	965930	465	856.56344
10	4	TURNERTOWN	961B10	51	832.68627
11	22	SABINE	965120	100	811.98000
12	90	SUPERIOR	963750	45	798.46667
13	18	TURNERTOWN	961B00	23	791.26087
14	19	FRIARS SWITCH	961900	193	729.18135
15	157	TEXARKANA PLANT	966570	78	703.51282
16	26	WEST MT PLEASANT	961L00	178	653.34831
17	78	LIBERTY CITY	967990	1,000	637.13500
18	67	LONDON	965940	311	609.32476
19	6	FRIARS SWITCH	965790	404	590.04703
20	137	FRIARS SWITCH	965920	234	580.84615
21	135	SPRINGHILL	966870	957	574.43156
22	48	CLARKSVILLE	969200	689	545.86357
23	62	HOWELL	962B80	422	530.72275
24	271	WEST MT PLEASANT	961G90	250	504.96800
25	14	MONROE CORNERS	966520	223	484.17040
26	194	GRAND SALINE	967120	1,994	479.20512
27	91	PITTSBURG	965450	1,168	474.70634
28	152	SPRINGHILL	968190	839	474.48868
29	181	SOUTHEAST MARSHALL	9610180	1,381	463.04345
30	276	CENTER	962180	43	456.27907
31	75	WEST MT PLEASANT	961G70	112	443.70536
32	108	TEXARKANA OPERATIONS	967830	874	442.60870
33	New	RODESSA	9617310	274	430.22263
34	76	SPRINGHILL	968200	675	424.70222
35	87	BIG SANDY	967310	645	406.57984
36	113	CENTER	968140	1,066	401.56567
37	9	NORTH LANEVILLE	9610660	475	391.34947
38	42	SABINE	965110	454	387.81057
39	204	KILGORE	967880	1,529	379.99869
40	213	MT PLEASANT	965190	645	367.13333
41	180	HOWELL	962B90	1,279	355.55747
42	40	CLARKSVILLE	963660	155	348.28387
43	72	HAWKINS	962530	99	344.58586
44	239	GREGGTON	961F70	1,690	342.49172

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2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
45	153	HEDLEY	96NT5870	132	332.80303
46	252	AIRLINE	961F10	813	330.18450
47	65	SCOTTSVILLE	961J30	475	317.72632
48	221	LONGVIEW HEIGHTS	968440	228	314.84211
49	244	TEXARKANA OPERATIONS	961S90	192	310.80208
50	30	WELLINGTON	96NT1770	281	303.55872
51	205	TAYLOR STREET	965080	495	303.15960
52	7	KILGORE	963090	389	301.36761
53	27	TEXARKANA OPERATIONS	967240	936	296.62821
54	85	HOOKS	9610950	507	293.71400
55	158	NAPLES SUB	968730	914	291.08643
56	257	TAYLOR STREET	967920	385	289.21558
57	77	HARRISON ROAD	9611880	2,092	288.11090
58	163	BLOOMBURG	967350	329	287.68389
59	201	RICHMOND ROAD	966980	1,391	287.26815
60	13	MARSHALL 69KV	962000	238	276.57563
61	147	WINNSBORO	961P00	814	275.89926
62	100	HOOKS	9610960	1,345	271.48253
63	82	NORTH MINEOLA	965380	339	268.70796
64	45	LINDEN	9610020	335	268.56418
65	95	COOKVILLE	961E70	197	267.10660
66	141	PITTSBURG	968680	282	261.46809
67	188	GATES STREET	961X70	316	257.04114
68	64	ATLANTA	962150	623	255.51685
69	249	SOUTHEAST MARSHALL	9610920	785	254.36688
70	203	TEXARKANA OPERATIONS	9611630	625	254.21280
71	17	NEW BOSTON	965140	1,435	252.23206
72	215	COOKVILLE	961E60	114	251.39474
73	38	WASKOM	968180	650	249.12769
74	92	NASH	9615120	853	248.34584
75	68	TAYLOR STREET	964290	916	248.00000
76	127	PLILER ROAD	9612470	2,865	245.27086
77	232	AIRLINE	961F00	1,114	243.46768
78	11	SOUTHEAST LONGVIEW	964190	255	234.75294
79	21	WASKOM	967890	572	231.14860
80	173	TAYLOR STREET	969510	1,071	227.67507
81	50	HAWKINS	962520	390	223.09744
82	126	HOWELL	9613660	229	223.04803
83	195	MONROE CORNERS	966510	60	217.05000
84	167	SABINE	965130	1,497	215.10955
85	34	CARTHAGE	963360	375	214.93333
86	20	ESTELLINE	96NT3535	122	213.28689
87	2	LONE STAR POWER PLANT	966120	12	212.66667
88	234	GATES STREET	961X60	319	209.59875
89	25	LONGVIEW	965520	1,199	208.19600
90	165	CITY LAKE	9619220	541	204.89094
91	166	ATLANTA	961U80	686	201.61370
92	175	LAKE LAMOND	969440	347	201.46398
93	41	MT VERNON	969140	390	199.29744

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2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
94	120	BECKVILLE	961U50	344	195.67442
95	118	PLILER ROAD	9610370	3,323	195.28017
96	1	NEW BOSTON	969620	369	195.19783
97	122	NAPLES SUB	963290	471	192.02123
98	104	TATUM	9610840	730	187.10548
99	79	SCOTTSVILLE	961J10	840	185.12143
100	105	MARSHALL 69KV	96580	841	184.55886
101	37	LAKE LAMOND	964400	709	179.80395
102	220	CENTER	969520	1,090	179.34587
103	161	TAYLOR STREET	96220	1,377	178.50472
104	112	GILMER	962490	1,558	173.10591
105	231	HOWELL	962B60	155	173.04516
106	264	MT VERNON	969130	462	171.86580
107	29	KILGORE	963150	607	167.74465
108	155	LONGVIEW HEIGHTS	968430	777	167.49678
109	248	CLARENDON	96NT4040	695	166.11367
110	214	BALDWIN	962200	19	166.10526
111	39	CARTHAGE	963350	516	165.25388
112	156	HEDLEY	96NT5845	249	163.00803
113	53	KILGORE	967190	763	162.19004
114	251	TAYLOR STREET	966760	1,121	161.59054
115	134	NEW GLADEWATER	9611970	1,684	161.49762
116	12	GILMER	962450	869	158.13579
117	84	IPC JEFFERSON	968020	886	157.39616
118	136	SOUTHEAST LONGVIEW	961780	577	155.88388
119	71	CLARKSVILLE	969180	472	155.40466
120	184	WELLINGTON	96NT1765	565	155.24425
121	253	TENAHA	962500	412	155.21359
122	46	POYNTER	967800	177	153.25424
123	146	VIVIAN	968980	47	148.08511
124	139	NORTH MARSHALL	969800	1,076	147.63476
125	44	LEVERETTS CHAPEL	9610850	347	143.88184
126	115	WHITNEY	964420	494	140.55466
127	15	TURNERTOWN	961B20	414	139.78502
128	111	39TH STREET	962630	1,339	139.00971
129	160	RICHMOND ROAD	961L40	395	138.61013
130	192	TENAHA	962510	339	138.47788
131	117	LEVERETTS CHAPEL	965700	148	137.96622
132	31	TEXARKANA PLANT	967960	1,359	136.80353
133	66	NEW HOPE	962120	484	133.94421
134	23	NORTH MARSHALL	968660	616	133.87825
135	24	GATES STREET	961X40	383	133.35770
136	179	EVENSIDE	961F90	1,747	133.29078
137	109	DEKALB	962430	875	132.66286
138	196	ALBA	9612400	605	132.60826
139	171	TEXARKANA PLANT	967970	217	131.16129
140	149	CLARKSVILLE	969190	1,088	130.57996
141	16	PITTSBURG	965460	1,375	127.34327
142	138	WHITNEY	961480	1,619	127.30327

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2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
143	236	KILGORE	967860	381	125.34646
144	169	KINGS HWY	969040	938	125.16525
145	183	GREGGTON	961V20	1,567	124.57052
146	200	DAINGERFIELD	961970	668	120.83234
147	226	LINDEN	962540	934	119.67666
148	89	WESTWOOD	963710	44	119.50000
149	123	RICHMOND ROAD	964020	918	117.61765
150	59	LOUISIANA PACIFIC	968030	422	115.72749
151	197	ATLANTA	962140	1,737	115.47841
152	246	SHAMROCK	96NT1835	255	114.36078
153	243	ROSEBOROUGH	9610090	20	111.95000
154	63	PETTY	9611460	511	111.94521
155	116	CARTHAGE	963370	502	110.62749
156	132	MT PLEASANT	965370	1,216	109.66447
157	70	CLARKSVILLE	969210	800	109.47625
158	32	LONGVIEW	966770	1,056	108.53409
159	33	DEKALB	962440	525	107.79048
160	140	MARSHALL 69KV	96590	726	107.71763
161	259	KILGORE	967870	491	106.87780
162	210	MARSHALL 69KV	964630	1,087	105.83073
163	28	GREGGTON	961F60	97	104.75258
164	176	CARTHAGE	965760	935	104.51765
165	217	NAPLES SUB	968720	203	103.14778
166	51	SOUTHEAST MARSHALL	9610170	1,090	101.91560
167	185	SOUTHEAST MARSHALL	9610160	1,840	101.25598
168	55	NEW BOSTON	961620	944	99.70657
169	81	WINNSBORO	962050	1,151	94.86881
170	103	HARRISON ROAD	968040	2,098	94.16635
171	151	KILGORE	964650	497	91.57545
172	144	39TH STREET	961V70	51	90.86275
173	193	HUGHES SPRINGS	961Z00	756	90.20238
174	88	NEW GLADEWATER	9611980	1,067	89.71978
175	245	WINFIELD	964100	127	88.88189
176	131	DAINGERFIELD	961950	160	86.90625
177	148	TEXARKANA OPERATIONS	961S80	977	84.32958
178	238	RICHMOND ROAD	968050	1,293	84.27842
179	43	HARRISON ROAD	9611870	2,368	84.14189
180	178	EVENSIDE	961G00	910	81.82747
181	98	PLILER ROAD	9610380	1,801	81.11105
182	199	RICHMOND ROAD	965290	1,341	80.58464
183	54	POYNTER	963270	863	79.75203
184	47	GREGGTON	961F50	354	77.74294
185	128	DEKALB	963200	394	76.61675
186	223	WHITNEY	961490	1,445	75.91696
187	69	CLARKSVILLE	963670	128	73.00781
188	263	LONGVIEW HEIGHTS	969000	854	71.98126
189	102	ATLANTA	964460	1,169	70.12831
190	207	CAREY	96NT6115	115	70.12174
191	94	GILMER	962480	593	69.71332

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2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
192	208	ATLANTA	968070	259	68.15830
193	49	LAKE LAMOND	961380	1,912	67.78190
194	99	GREGGTON	962A90	576	67.51042
195	272	IPC 69KV	961R60	39	66.17949
196	150	GRAND SALINE	967110	283	66.06360
197	107	LAKE LAMOND	969770	288	65.98958
198	261	HALLSVILLE	9616250	791	65.50190
199	189	MEMPHIS	96NT3025	310	64.90000
200	61	NEW BOSTON	969610	812	63.18966
201	154	KINGS HWY	969030	925	61.20865
202	52	KNOX LEE	961U90	175	60.50286
203	57	WINNSBORO	962040	520	59.16923
204	262	MEMPHIS	96NT3335	1,108	58.96751
205	129	POYNTER	967680	856	57.23598
206	143	LONGVIEW	965510	570	55.68246
207	124	SOUTHEAST MARSHALL	967580	933	55.43087
208	211	LAKE LAMOND	964070	1,888	54.45604
209	237	HAWKINS	966310	143	53.11888
210	74	POYNTER	967590	991	52.58829
211	212	WINFIELD	962B70	573	52.56894
212	8	MINEOLA	969360	486	52.47325
213	182	JEFFERSON 69KV	969340	961	51.50156
214	96	HALLSVILLE	9615920	573	49.70855
215	145	WHITNEY	964090	1,056	49.23295
216	250	AIRLINE	961S30	116	48.98276
217	222	SUGAR HILL	962370	369	48.26829
218	97	LAKE LAMOND	968570	768	46.01563
219	83	NORTH MARSHALL	967600	681	45.28928
220	254	SHAMROCK	96NT144	655	45.17557
221	198	EVENSIDE	961G10	1,048	44.75668
222	164	CARTHAGE	9610240	1,034	44.70116
223	162	NORTH MARSHALL	968670	833	42.36975
224	229	39TH STREET	962640	521	40.20729
225	130	MINEOLA	9610990	926	39.31749
226	266	39TH STREET	962610	138	39.00000
227	58	LOUISIANA PACIFIC	962260	708	37.36441
228	216	KINGS HWY	969540	1,820	35.95000
229	121	WASKOM	967900	640	35.40156
230	241	AIRLINE	961N30	1,833	35.08456
231	230	CITY LAKE	9619090	307	33.06515
232	93	39TH STREET	961V60	603	32.73300
233	235	BIG SANDY	967300	683	32.58419
234	265	WELLINGTON	96NT3700	749	32.45928
235	227	LONGVIEW HEIGHTS	969240	991	32.44501
236	73	HAWKINS	969410	195	31.05641
237	269	AIRLINE	961E90	1,280	30.49453
238	255	KILGORE	967850	109	30.14679
239	191	BECKVILLE	969120	303	29.89109
240	258	RED RIVER DEPOT	9612440	74	28.17568

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2017 SAIDI Ranking	2016 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2017 SAIDI Value
241	177	MT PLEASANT	961930	1,128	28.04344
242	187	HUGHES SPRINGS	965650	555	26.66667
243	186	HALLSVILLE	9616240	1,032	26.25484
244	202	LAKE LAMOND	966860	32	26.15625
245	125	MINEOLA	963680	825	24.41576
246	86	LONGVIEW HEIGHTS	961B40	1,613	23.25666
247	174	DAINGERFIELD	961960	1,137	23.21372
248	275	12TH STREET	962230	89	22.65169
249	273	CITY LAKE	9619120	434	19.50230
250	209	MINEOLA	967130	956	18.25105
251	240	NASH	9614710	14	17.85714
252	242	LAKE LAMOND	966850	555	16.51171
253	268	LONGVIEW	965530	142	16.11972
254	247	CLARENDON	96NT5005	831	15.95307
255	106	CENTER	962190	1,006	14.43340
256	168	TEXARKANA PLANT	967980	161	14.21739
257	228	NASH	9614640	183	13.77049
258	172	WHITNEY	964080	812	13.39286
259	233	SHAMROCK	96NT148	774	11.13178
260	133	NASH	9615130	1,200	10.76500
261	260	MT PLEASANT	961920	142	10.23944
262	101	POYNTER	969550	294	9.09184
263	206	LAKE LAMOND	969430	578	8.95156
264	159	MT PLEASANT	965360	683	7.70425
265	36	RED RIVER DEPOT	9612460	13	5.61538
266	119	PETTY	9611470	785	3.32102
267	274	LONE STAR SHELL ORDNANCE	9616030	26	2.88462
268	219	PETTY	968370	188	2.81383
269	56	LONGVIEW	965550	112	1.17857
270	256	JEFFERSON 69KV	969350	142	1.02113
271	267	CITY LAKE	9619210	100	0.00000
272	270	12TH STREET	966180	50	0.00000
273	190	WHITNEY	961A00	42	0.00000
274	218	PLEASANT HILL	9611894	21	0.00000
275	60	LONGVIEW	965540	117	0.00000

Feeders from last year that are not in this year's list

2016 Ranking	Substation Identification	Feeder ID	Reason not in 2016
10	RODESSA	962700	retired
170	PILGRIMS PRIDE	966150	retired

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AEP Southwestern Electric Power

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2017 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	35.29%
Vegetation	33.90%
Animals and Birds	14.06%
People (Including cars and farm equip)	2.63%
Utility-owned Equipment	6.47%
Other	3.13%
Unknown	4.52%