



Control Number: 49068



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PUBLIC UTILITY COMMISSION
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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2018 Reporting Year

AEP Southwestern Electric Power

Project 49068

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														
2018		1.84420	0.17635	0.06580	0.11326	0.18325	0.12924	0.22129	0.24447	0.10487	0.15190	0.20712	0.07516	0.17149
Scheduled														
2018		0.08732	0.00262	0.00516	0.01457	0.00856	0.00615	0.00752	0.00505	0.01490	0.00427	0.00641	0.00481	0.00730
Outside Causes														
2018		0.35194	0.02158	0.00814	0.05824	0.00094	0.10227	0.00131	0.00638	0.00587	0.04898	0.01876	0.04037	0.03910
Major Events														
2018		0.20591	0.00004			0.14036			0.06552					

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														
2018		232.19936	19.13451	9.55548	16.12532	30.32308	15.93153	20.91822	30.39895	9.57049	13.39623	26.32928	9.49870	31.01756
Scheduled														
2018		9.86660	0.39560	0.88943	0.82164	0.84157	0.94778	0.94096	0.51941	1.72391	0.51993	0.86343	0.72335	0.67959
Outside Causes														
2018		46.86458	8.81797	1.16712	3.92157	0.10419	6.29505	0.15643	0.70858	1.45149	5.55843	3.04877	7.04987	8.58510
Major Events														
2018		92.59502	0.00212			65.45465			27.13826					

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

276

Add or Delete Rows as Necessary

AEP Southwestern Electric Power

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
1	196	GRAND SALINE	967110	27	9.70370
2	215	LEVERETTS CHAPEL	965700	148	7.06757
3	5	FRIARS SWITCH	965780	146	6.58904
4	209	LOUISIANA PACIFIC	962260	710	6.29437
5	205	SUGAR HILL	962370	356	6.13764
6	13	LONDON	965930	469	6.09595
7	31	FRIARS SWITCH	965920	233	6.00000
8	137	WASKOM	967890	566	5.59541
9	9	FRIARS SWITCH	965790	403	5.57568
10	36	WASKOM	968180	645	5.15814
11	90	BLOOMBURG	967350	330	5.14242
12	166	PETTY	9611460	519	5.09634
13	16	SUPERIOR	963750	45	5.02222
14	94	LONGVIEW	965520	1,163	4.94153
15	24	TAYLOR STREET	96220	1,359	4.91979
16	114	ATLANTA	961U80	686	4.74927
17	14	FRIARS SWITCH	961900	194	4.71134
18	68	KILGORE	967880	1,518	4.56258
19	12	LONDON	965940	319	4.55486
20	160	WESTWOOD	963710	43	4.53488
21	173	WINFIELD	964100	106	4.50943
22	170	KILGORE	967860	382	4.49738
23	110	BIG SANDY	967310	648	4.43519
24	103	NORTH MARSHALL	968660	630	4.33333
25	253	BIG SANDY	967300	698	4.25215
26	17	TAYLOR STREET	965080	484	4.24793
27	115	SHAMROCK	96NT1835	248	4.12097
28	182	TENAHA	962510	340	4.10294
29	8	TURNERTOWN	961B10	51	4.09804
30	267	PETTY	968370	183	3.88525
31	42	TEXARKANA OPERATIONS	967240	925	3.87027
32	235	RED RIVER DEPOT	9612440	70	3.81429
33	10	SABINE	965120	102	3.77451
34	124	KILGORE	964650	501	3.69461
35	260	MT PLEASANT	965360	687	3.67977
36	23	TAYLOR STREET	964290	910	3.65495
37	211	JEFFERSON 69KV	969340	952	3.64496
38	134	SCOTTSVILLE	961J30	468	3.56838
39	7	LEVERETTS CHAPEL	965200	419	3.52745
40	49	TAYLOR STREET	967920	385	3.49870
41	167	ATLANTA	962150	624	3.47756
42	95	MT VERNON	969130	462	3.45887
43	100	GREGGTON	961F70	1,693	3.42351
44	106	CLARKSVILLE	969210	799	3.41802

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
45	66	KILGORE	967870	493	3.33874
46	117	LONGVIEW	966770	1,050	3.33714
47	147	MINEOLA	9610990	924	3.27165
48	222	POYNTER	967590	989	3.20526
49	197	39TH STREET	962640	521	3.19770
50	75	CARTHAGE	965760	924	3.19589
51	229	SHAMROCK	96NT144	642	3.19470
52	30	LIEBERMAN	961X30	10	3.10000
53	89	LONE STAR POWER PLANT	966120	13	3.07692
54	71	MT PLEASANT	965370	1,209	3.07196
55	122	COOKVILLE	961E70	197	3.07107
56	2	LONDON	965950	312	3.07051
57	118	GILMER	962450	881	3.06016
58	62	HARRISON ROAD	9611880	2,060	3.03398
59	99	CLARKSVILLE	969190	1,096	2.99726
60	191	LOUISIANA PACIFIC	968030	420	2.99286
61	92	RICHMOND ROAD	966980	1,403	2.97577
62	265	RED RIVER DEPOT	9612460	13	2.92308
63	131	CARTHAGE	963350	521	2.83685
64	48	NAPLES SUB	968730	916	2.83406
65	155	DAINGERFIELD	961950	163	2.82209
66	1	MT VERNON	9612760	883	2.80861
67	109	NAPLES SUB	963290	466	2.74464
68	60	TURNERTOWN	961B00	23	2.73913
69	220	EVENSIDE	961G00	908	2.72247
70	6	CENTER	968140	1,060	2.70849
71	185	CLARENDON	96NT4040	695	2.65755
72	146	ATLANTA	964460	1,170	2.64017
73	46	PLILER ROAD	9612470	2,920	2.63699
74	86	HOOKS	9610960	1,340	2.61716
75	41	LAKE LAMOND	964400	718	2.59331
76	174	RICHMOND ROAD	965290	1,332	2.57132
77	72	LIBERTY CITY	967990	1,006	2.56362
78	252	LAKE LAMOND	966850	555	2.56036
79	129	KILGORE	967850	112	2.55357
80	221	MT PLEASANT	961930	1,134	2.53704
81	84	AIRLINE	961F00	1,167	2.53470
82	35	TAYLOR STREET	969510	1,077	2.50696
83	247	WASKOM	967900	647	2.49459
84	120	IPC JEFFERSON	968020	894	2.48881
85	107	NEW BOSTON	969620	374	2.42781
86	266	PETTY	9611470	781	2.37516
87	192	MONROE CORNERS	966510	60	2.33333
88	206	RICHMOND ROAD	968050	1,295	2.31892
89	223	KNOX LEE	961U90	172	2.31395
90	232	EVENSIDE	961G10	1,058	2.29962
91	58	MT VERNON	969140	393	2.29771
92	96	HARRISON ROAD	9611870	2,395	2.26388
93	233	NORTH MARSHALL	967600	685	2.25109

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2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
94	145	WHITNEY	961490	1,442	2.22469
95	26	CLARKSVILLE	969200	687	2.21980
96	61	CARTHAGE	963360	384	2.20313
97	246	DAINGERFIELD	961960	1,138	2.20035
98	203	DEKALB	963200	394	2.18782
99	37	NEW HOPE	968000	1,412	2.18697
100	151	LONGVIEW	965510	566	2.12544
101	54	TURNERTOWN	961B20	414	2.11836
102	34	SPRINGHILL	968200	689	2.08418
103	3	GRAND SALINE	967120	1,998	2.06957
104	272	12TH STREET	966180	50	2.06000
105	193	TEXARKANA OPERATIONS	961S80	974	2.01643
106	64	RODESSA	9617310	266	2.01504
107	270	JEFFERSON 69KV	969350	143	2.00699
108	102	BECKVILLE	961U50	352	1.99148
109	194	HARRISON ROAD	968040	2,096	1.98473
110	184	CARTHAGE	963370	507	1.97830
111	81	SOUTHEAST MARSHALL	9610180	1,391	1.97196
112	187	NAPLES SUB	968720	198	1.92929
113	63	HOOKS	9610950	503	1.91849
114	164	CLARKSVILLE	963670	129	1.91473
115	179	SABINE	965130	1,489	1.87777
116	199	LAKE LAMOND	969440	345	1.83768
117	76	SOUTHEAST LONGVIEW	964190	261	1.81992
118	40	LOGANSPOUT	965770	287	1.80488
119	140	HAWKINS	962530	98	1.78571
120	15	SABINE	965110	457	1.76368
121	59	HEDLEY	96NT5870	138	1.76087
122	113	LINDEN	9610020	338	1.74556
123	45	MT PLEASANT	965190	651	1.74194
124	91	NORTH MARSHALL	969800	1,050	1.73810
125	207	NORTH MARSHALL	968670	855	1.73567
126	125	LONGVIEW HEIGHTS	968440	232	1.67241
127	79	NEW GLADEWATER	9611970	1,697	1.65056
128	168	NEW GLADEWATER	9611980	1,066	1.64353
129	43	HALLSVILLE	9616250	794	1.63350
130	238	CLARENDON	96NT5005	830	1.62169
131	154	MARSHALL 69KV	96580	844	1.59360
132	27	WEST MT PLEASANT	961L00	174	1.56322
133	98	GILMER	962490	1,553	1.55892
134	112	LONGVIEW HEIGHTS	968430	499	1.52505
135	186	KILGORE	967190	765	1.51895
136	101	RICHMOND ROAD	964020	908	1.50771
137	69	TAYLOR STREET	966760	1,124	1.50712
138	240	GREGGTON	962A90	570	1.49474
139	93	WINNSBORO	962050	1,145	1.49345
140	47	GATES STREET	961X70	317	1.49211
141	127	BALDWIN	962200	19	1.47368
142	216	RICHMOND ROAD	961L40	397	1.47355

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2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
143	38	COOKVILLE	961E60	118	1.46610
144	50	CLARKSVILLE	963660	154	1.42857
145	144	SOUTHEAST MARSHALL	9610920	781	1.41229
146	139	GILMER	962480	595	1.40840
147	111	TENAHA	962500	407	1.40295
148	152	GATES STREET	961X40	388	1.40206
149	56	PITTSBURG	965460	1,380	1.38986
150	130	LONGVIEW HEIGHTS	969000	864	1.38426
151	133	SOUTHEAST MARSHALL	967580	917	1.38386
152	142	MEMPHIS	96NT3025	308	1.37013
153	132	WHITNEY	961480	1,613	1.35896
154	53	WHITNEY	964420	494	1.34818
155	239	AIRLINE	961E90	1,292	1.33127
156	224	MINEOLA	967130	969	1.33024
157	150	MEMPHIS	96NT3335	1,113	1.32525
158	210	AIRLINE	961S30	117	1.31624
159	128	TATUM	9610840	726	1.29477
160	200	39TH STREET	962630	1,331	1.28926
161	85	VIVIAN	968980	45	1.28889
162	225	39TH STREET	961V60	597	1.27973
163	242	CARTHAGE	9610240	1,039	1.24735
164	52	CLARKSVILLE	969180	468	1.24359
165	77	TEXARKANA OPERATIONS	967830	863	1.23986
166	274	PLEASANT HILL	9611894	22	1.22727
167	19	WEST MT PLEASANT	961G70	112	1.22321
168	250	SHAMROCK	96NT148	760	1.21184
169	189	ROSEBOROUGH	9610090	21	1.19048
170	261	LAKE LAMOND	969430	587	1.18399
171	157	NEW BOSTON	965140	1,433	1.17027
172	162	PLILER ROAD	9610370	3,339	1.16981
173	245	HUGHES SPRINGS	965650	553	1.16637
174	249	LONGVIEW HEIGHTS	961B40	1,641	1.16332
175	159	ATLANTA	968070	258	1.16279
176	255	TEXARKANA PLANT	967980	159	1.15094
177	243	WINFIELD	962B70	569	1.13884
178	228	LONGVIEW HEIGHTS	969240	990	1.12929
179	258	LONGVIEW	965530	141	1.12057
180	29	POYNTER	967800	180	1.11667
181	171	HOWELL	962B60	152	1.07895
182	136	NEW HOPE	962120	491	1.06721
183	153	CITY LAKE	9619090	306	1.04902
184	269	LONGVIEW	965550	112	1.04464
185	158	ATLANTA	962140	1,724	1.03654
186	141	MARSHALL 69KV	964630	1,071	1.03455
187	165	LAKE LAMOND	969770	285	1.02105
188	234	KINGS HWY	969540	1,810	1.00994
189	156	LEVERETTS CHAPEL	9610850	354	1.00282
190	256	12TH STREET	962230	90	0.98889
191	275	LONGVIEW	965540	122	0.97541

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
192	264	MT PLEASANT	961920	145	0.97241
193	39	HOWELL	9613660	227	0.94273
194	70	KILGORE	963090	384	0.93750
195	254	WHITNEY	964080	820	0.92439
196	230	NASH	9614640	199	0.90955
197	4	MARSHALL 69KV	962000	238	0.90756
198	67	HOWELL	962B90	1,274	0.90581
199	18	NORTH LANEVILLE	9610660	472	0.88559
200	28	VIVIAN	968990	110	0.88182
201	212	LAKE LAMOND	968570	769	0.87906
202	11	HOWELL	962B80	427	0.87354
203	87	TEXARKANA PLANT	967960	1,351	0.85492
204	251	NASH	9615130	1,316	0.83815
205	22	MONROE CORNERS	966520	223	0.82063
206	32	TEXARKANA OPERATIONS	9611630	645	0.81395
207	169	KINGS HWY	969030	935	0.74545
208	180	GREGGTON	961F50	356	0.73876
209	73	SPRINGHILL	966870	969	0.73168
210	51	SPRINGHILL	968190	853	0.72685
211	262	LAKE LAMOND	966860	18	0.72222
212	190	POYNTER	963270	867	0.70358
213	57	PITTSBURG	968680	283	0.69965
214	65	GREGGTON	961V20	1,565	0.67923
215	177	NEW BOSTON	969610	804	0.67537
216	231	BECKVILLE	969120	310	0.67419
217	138	HALLSVILLE	9615920	873	0.63001
218	97	WINNSBORO	961P00	802	0.61970
219	263	CENTER	962190	1,003	0.61615
220	175	DEKALB	962430	882	0.59410
221	123	ALBA	9612400	611	0.59083
222	198	NEW BOSTON	961620	963	0.58048
223	188	GREGGTON	961F60	97	0.57732
224	88	NORTH MINEOLA	965380	347	0.55908
225	44	AIRLINE	961F10	818	0.55868
226	181	LINDEN	962540	931	0.55854
227	33	PITTSBURG	965450	1,180	0.55847
228	219	WELLINGTON	96NT3700	744	0.54839
229	121	HAWKINS	962520	395	0.54430
230	80	NASH	9615120	859	0.51572
231	218	LAKE LAMOND	961380	1,926	0.51454
232	241	HAWKINS	966310	141	0.51064
233	248	MINEOLA	963680	829	0.50543
234	273	WHITNEY	961A00	43	0.48837
235	21	TEXARKANA PLANT	966570	78	0.48718
236	20	CENTER	969520	1,088	0.48621
237	105	39TH STREET	961V70	51	0.47059
238	178	MARSHALL 69KV	96590	736	0.47011
239	143	KINGS HWY	969040	933	0.43623
240	163	EVENSIDE	961F90	1,743	0.42226

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018SAIFI Value
241	104	CITY LAKE	9619220	548	0.41606
242	25	WEST MT PLEASANT	961G90	244	0.40984
243	227	AIRLINE	961N30	1,856	0.39009
244	208	PLILER ROAD	9610380	1,809	0.38640
245	74	TEXARKANA OPERATIONS	961S90	198	0.37879
246	202	IPC 69KV	961R60	40	0.37500
247	83	KILGORE	963150	606	0.36304
248	213	LAKE LAMOND	964070	1,897	0.34897
249	201	DAINGERFIELD	961970	665	0.34586
250	108	SCOTTSVILLE	961J10	849	0.34511
251	195	HAWKINS	969410	196	0.32143
252	149	MINEOLA	969360	477	0.31237
253	116	POYNTER	967680	850	0.30706
254	217	WHITNEY	964090	1,046	0.26004
255	135	ESTELLINE	96NT3535	123	0.25203
256	183	DEKALB	962440	530	0.24528
257	126	WELLINGTON	96NT1765	567	0.23457
258	214	WINNSBORO	962040	515	0.20971
259	204	HUGHES SPRINGS	961Z00	765	0.20654
260	259	POYNTER	969550	298	0.20470
261	119	HEDLEY	96NT5845	242	0.20248
262	244	HALLSVILLE	9616240	1,043	0.20038
263	176	SOUTHEAST MARSHALL	9610170	1,082	0.19409
264	78	WELLINGTON	96NT1770	282	0.17021
265	172	SOUTHEAST MARSHALL	9610160	1,835	0.15858
266	148	CITY LAKE	9619120	436	0.15596
267	N/A	MORTON SALT	9615160	258	0.15504
268	236	39TH STREET	962610	137	0.15328
269	237	TEXARKANA PLANT	967970	203	0.14778
270	161	GATES STREET	961X60	322	0.12112
271	268	LONE STAR SHELL ORDNANCE	9616030	27	0.11111
272	271	CITY LAKE	9619210	96	0.09375
273	55	SOUTHEAST LONGVIEW	961780	589	0.07301
274	226	CAREY	96NT6115	114	0.01754
275	82	CENTER	962180	42	0.00000
276	257	NASH	9614710	14	0.00000

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

2017 Ranking	Substation Identification	Feeder ID	Reason not in 2018
Not applicable			

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

276

Add or Delete Rows as Necessary

AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1	14	FRIARS SWITCH	961900	194	1,403.58247
2	12	SUPERIOR	963750	45	1,365.95556
3	3	FRIARS SWITCH	965780	146	1,336.89726
4	196	GRAND SALINE	967110	27	1,179.00000
5	272	12TH STREET	966180	50	1,153.74000
6	79	WASKOM	967890	566	1,126.83922
7	19	FRIARS SWITCH	965790	403	1,116.55583
8	1	LOGANSPOUT	965770	287	1,106.97213
9	219	NORTH MARSHALL	967600	685	1,100.11971
10	87	LONE STAR POWER PLANT	966120	13	1,020.53846
11	7	LIEBERMAN	961X30	10	987.50000
12	131	LEVERETTS CHAPEL	965700	148	914.67568
13	9	LONDON	965930	469	846.82516
14	176	DAINGERFIELD	961950	163	834.79141
15	217	SUGAR HILL	962370	356	824.46910
16	73	WASKOM	968180	645	817.30853
17	157	CLARKSVILLE	969210	799	777.33792
18	20	FRIARS SWITCH	965920	233	762.27039
19	152	SHAMROCK	96NT1835	248	747.30645
20	16	WEST MT PLEASANT	961L00	174	740.82184
21	130	TENAH	962510	340	713.18529
22	213	JEFFERSON 69KV	969340	952	690.96954
23	58	BLOOMBURG	967350	330	688.43636
24	148	WESTWOOD	963710	43	682.55814
25	92	LAKE LAMOND	969440	345	656.51304
26	268	PETTY	968370	183	656.09290
27	154	PETTY	9611460	519	653.55106
28	43	HAWKINS	962530	98	640.00000
29	78	SOUTHEAST LONGVIEW	964190	261	635.02682
30	227	LOUISIANA PACIFIC	962260	710	634.01549
31	91	ATLANTA	961U80	686	618.64431
32	6	LEVERETTS CHAPEL	965200	419	617.69212
33	36	CENTER	968140	1,060	606.14623
34	185	DEKALB	963200	394	602.72589
35	106	MT VERNON	969130	462	601.42424
36	225	MINEOLA	9610990	924	595.09307
37	229	WASKOM	967900	647	584.98918
38	110	BALDWIN	962200	19	582.68421
39	65	COOKVILLE	961E70	197	578.05584
40	89	LONGVIEW	965520	1,163	568.52966
41	10	TURNERTOWN	961B10	51	541.25490
42	270	JEFFERSON 69KV	969350	143	539.09091
43	94	BECKVILLE	961U50	352	532.21307
44	224	39TH STREET	962640	521	528.45489

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
45	103	TAYLOR STREET	96220	1,359	523.06770
46	165	NAPLES SUB	968720	198	520.59596
47	175	WINFIELD	964100	106	517.93396
48	22	CLARKSVILLE	969200	687	509.47598
49	233	BIG SANDY	967300	698	500.74642
50	18	LONDON	965940	319	497.69906
51	97	NAPLES SUB	963290	466	493.33691
52	240	RED RIVER DEPOT	9612440	70	492.52857
53	187	CLARKSVILLE	963670	129	471.83721
54	264	MT PLEASANT	965360	687	467.59534
55	134	NORTH MARSHALL	968660	630	446.35714
56	51	TAYLOR STREET	965080	484	439.41736
57	75	TAYLOR STREET	964290	910	435.53956
58	42	CLARKSVILLE	963660	154	420.93506
59	35	BIG SANDY	967310	648	409.84105
60	266	PETTY	9611470	781	407.15365
61	55	NAPLES SUB	968730	916	400.30568
62	140	CLARKSVILLE	969190	1,096	396.93339
63	13	TURNERTOWN	961B00	23	394.39130
64	182	RICHMOND ROAD	965290	1,332	384.49024
65	54	HOOKS	9610950	503	382.72167
66	5	LONDON	965950	312	381.48077
67	194	GREGGTON	962A90	570	370.07018
68	56	TAYLOR STREET	967920	385	368.10909
69	174	NEW GLADEWATER	9611980	1,066	363.90994
70	156	MT PLEASANT	965370	1,209	361.55831
71	202	KNOX LEE	961U90	172	354.49419
72	149	RICHMOND ROAD	964020	908	354.28744
73	180	EVENSIDE	961G00	908	353.88877
74	62	HOOKS	9610960	1,340	352.77463
75	47	SCOTTSVILLE	961J30	468	342.54487
76	77	AIRLINE	961F00	1,167	340.90146
77	69	SOUTHEAST MARSHALL	9610920	781	339.14085
78	68	ATLANTA	962150	624	338.10737
79	4	MT VERNON	9612760	883	331.56512
80	241	MT PLEASANT	961930	1,134	330.90653
81	80	TAYLOR STREET	969510	1,077	328.91736
82	84	SABINE	965130	1,489	327.83613
83	34	SPRINGHILL	968200	689	327.38026
84	39	KILGORE	967880	1,518	322.70487
85	109	CLARENDON	96NT4040	695	316.88921
86	237	AIRLINE	961E90	1,292	312.72910
87	210	POYNTER	967590	989	312.42669
88	254	CLARENDON	96NT5005	830	307.69157
89	111	CARTHAGE	963350	521	306.29750
90	150	LOUISIANA PACIFIC	968030	420	305.14762
91	143	KILGORE	967860	382	296.48953
92	116	GILMER	962450	881	295.63451
93	23	HOWELL	962B80	427	294.45199

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AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
94	64	LINDEN	9610020	338	285.42604
95	206	LONGVIEW	965510	566	279.41519
96	164	CARTHAGE	965760	924	277.79870
97	26	GRAND SALINE	967120	1,998	269.90641
98	76	PLILER ROAD	9612470	2,920	269.44452
99	17	LIBERTY CITY	967990	1,006	265.87177
100	85	CARTHAGE	963360	384	259.74740
101	101	LAKE LAMOND	964400	718	256.66574
102	96	NEW BOSTON	969620	374	255.38503
103	223	NORTH MARSHALL	968670	855	255.07953
104	198	HALLSVILLE	9616250	794	254.66499
105	265	RED RIVER DEPOT	9612460	13	253.84615
106	191	GILMER	962480	595	250.00504
107	274	PLEASANT HILL	9611894	22	243.00000
108	57	HARRISON ROAD	9611880	2,060	238.15000
109	40	MT PLEASANT	965190	651	237.62519
110	189	ATLANTA	964460	1,170	236.93675
111	124	NORTH MARSHALL	969800	1,050	233.18286
112	119	CLARKSVILLE	969180	468	233.05983
113	178	RICHMOND ROAD	968050	1,295	228.51737
114	228	KINGS HWY	969540	1,810	224.23094
115	11	SABINE	965120	102	220.72549
116	186	WHITNEY	961490	1,442	217.32455
117	171	KILGORE	964650	501	216.00998
118	108	LONGVIEW HEIGHTS	968430	499	215.67535
119	44	GREGGTON	961F70	1,693	215.33432
120	60	MARSHALL 69KV	962000	238	210.81092
121	52	KILGORE	963090	384	209.50521
122	158	LONGVIEW	966770	1,050	205.73048
123	138	ALBA	9612400	611	205.37152
124	121	TENAHA	962500	407	202.27764
125	204	MEMPHIS	96NT3335	1,113	199.12668
126	220	SHAMROCK	96NT144	642	198.59502
127	117	IPC JEFFERSON	968020	894	198.50112
128	53	TEXARKANA OPERATIONS	967240	925	197.48108
129	100	MARSHALL 69KV	96580	844	195.94431
130	155	CARTHAGE	963370	507	195.88955
131	72	COOKVILLE	961E60	118	195.19492
132	192	ATLANTA	968070	258	193.03488
133	114	TAYLOR STREET	966760	1,124	191.34431
134	82	HOWELL	9613660	227	188.74009
135	207	SOUTHEAST MARSHALL	967580	917	186.83097
136	169	WINNSBORO	962050	1,145	186.21397
137	48	LONGVIEW HEIGHTS	968440	232	185.68103
138	59	RICHMOND ROAD	966980	1,403	185.30649
139	188	LONGVIEW HEIGHTS	969000	864	184.62153
140	257	NASH	9614640	199	183.38693
141	93	MT VERNON	969140	393	182.70483
142	179	HARRISON ROAD	9611870	2,395	181.04676

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
143	221	EVENSIDE	961G10	1,058	180.19943
144	8	NEW HOPE	968000	1,412	179.59915
145	83	MONROE CORNERS	966510	60	178.95000
146	37	NORTH LANEVILLE	9610660	472	177.46610
147	67	GATES STREET	961X70	317	177.40063
148	247	DAINGERFIELD	961960	1,138	173.23550
149	71	NEW BOSTON	965140	1,433	171.74459
150	177	TEXARKANA OPERATIONS	961S80	974	170.66735
151	161	KILGORE	967870	493	167.09533
152	232	39TH STREET	961V60	597	166.21608
153	252	LAKE LAMOND	966850	555	165.01622
154	115	NEW GLADEWATER	9611970	1,697	161.62994
155	25	MONROE CORNERS	966520	223	159.41704
156	170	HARRISON ROAD	968040	2,096	159.28340
157	275	LONGVIEW	965540	122	159.18852
158	253	LONGVIEW	965530	141	155.20567
159	29	SOUTHEAST MARSHALL	9610180	1,391	153.83609
160	123	VIVIAN	968980	45	148.31111
161	199	MEMPHIS	96NT3025	308	148.27597
162	129	RICHMOND ROAD	961L40	397	147.30227
163	70	TEXARKANA OPERATIONS	9611630	645	147.11008
164	41	HOWELL	962B90	1,274	144.85950
165	269	LONGVIEW	965550	112	141.90179
166	214	HALLSVILLE	9615920	873	140.55899
167	255	CENTER	962190	1,003	140.12363
168	33	RODESSA	9617310	266	139.63910
169	246	LONGVIEW HEIGHTS	961B40	1,641	137.17367
170	222	CARTHAGE	9610240	1,039	134.96535
171	113	KILGORE	967190	765	134.79346
172	38	SABINE	965110	457	133.26915
173	122	POYNTER	967800	180	132.85556
174	201	KINGS HWY	969030	935	132.13155
175	216	AIRLINE	961S30	117	129.00000
176	261	MT PLEASANT	961920	145	128.11034
177	21	SPRINGHILL	966870	969	126.51909
178	95	PLILER ROAD	9610370	3,339	125.04732
179	151	ATLANTA	962140	1,724	124.94026
180	128	39TH STREET	962630	1,331	124.15477
181	31	WEST MT PLEASANT	961G70	112	123.97321
182	235	LONGVIEW HEIGHTS	969240	990	123.87980
183	66	PITTSBURG	968680	283	120.20495
184	209	HAWKINS	966310	141	118.75887
185	125	LEVERETTS CHAPEL	9610850	354	117.66667
186	105	HOWELL	962B60	152	117.05921
187	102	CENTER	969520	1,088	115.16636
188	242	HUGHES SPRINGS	965650	553	114.90054
189	153	ROSEBOROUGH	9610090	21	114.80952
190	104	GILMER	962490	1,553	113.90406
191	127	TURNERTOWN	961B20	414	113.20048

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
192	133	NEW HOPE	962120	491	110.36660
193	258	WHITNEY	964080	820	103.48049
194	142	WHITNEY	961480	1,613	103.44389
195	183	POYNTER	963270	867	102.46597
196	256	TEXARKANA PLANT	967980	159	101.27673
197	98	TATUM	9610840	726	101.12810
198	132	TEXARKANA PLANT	967960	1,351	100.09400
199	162	MARSHALL 69KV	964630	1,071	97.56303
200	2	VIVIAN	968990	110	96.42727
201	141	PITTSBURG	965460	1,380	95.20435
202	211	WINFIELD	962B70	569	94.70650
203	49	TEXARKANA OPERATIONS	961S90	198	94.14646
204	46	AIRLINE	961F10	818	93.61980
205	234	WELLINGTON	96NT3700	744	91.74462
206	145	GREGGTON	961V20	1,565	89.65240
207	239	BECKVILLE	969120	310	89.34839
208	28	SPRINGHILL	968190	853	85.37984
209	163	GREGGTON	961F60	97	84.53608
210	263	LAKE LAMOND	969430	587	84.00170
211	126	WHITNEY	964420	494	83.83603
212	238	KILGORE	967850	112	83.65179
213	184	GREGGTON	961F50	356	82.00562
214	45	HEDLEY	96NT5870	138	81.95652
215	135	GATES STREET	961X40	388	81.94845
216	107	KILGORE	963150	606	80.98185
217	231	CITY LAKE	9619090	306	80.75490
218	90	CITY LAKE	9619220	548	79.38869
219	218	LAKE LAMOND	968570	769	76.75293
220	250	MINEOLA	967130	969	76.54489
221	81	HAWKINS	962520	395	75.01013
222	27	PITTSBURG	965450	1,180	72.58475
223	262	POYNTER	969550	298	72.08389
224	193	LAKE LAMOND	961380	1,926	68.80530
225	259	SHAMROCK	96NT148	760	67.26842
226	197	LAKE LAMOND	969770	285	67.05263
227	74	NASH	9615120	859	66.23749
228	236	HAWKINS	969410	196	65.15816
229	181	PLILER ROAD	9610380	1,809	64.69044
230	147	LINDEN	962540	931	62.56176
231	195	IPC 69KV	961R60	40	62.45000
232	230	AIRLINE	961N30	1,856	62.31196
233	168	NEW BOSTON	961620	963	60.46106
234	260	NASH	9615130	1,316	60.28799
235	15	TEXARKANA PLANT	966570	78	59.07692
236	32	TEXARKANA OPERATIONS	967830	863	57.88528
237	200	NEW BOSTON	969610	804	54.14055
238	146	DAINGERFIELD	961970	665	51.77895
239	61	WINNSBORO	961P00	802	51.45511
240	244	LAKE LAMOND	966860	18	48.38889

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
241	136	EVENSIDE	961F90	1,743	48.31842
242	273	WHITNEY	961A00	43	47.37209
243	144	KINGS HWY	969040	933	45.64202
244	248	12TH STREET	962230	90	42.52222
245	137	DEKALB	962430	882	38.02608
246	159	DEKALB	962440	530	37.91509
247	24	WEST MT PLEASANT	961G90	244	36.45492
248	215	WHITNEY	964090	1,046	35.99522
249	208	LAKE LAMOND	964070	1,897	34.98998
250	160	MARSHALL 69KV	96590	736	33.07880
251	86	ESTELLINE	96NT3535	123	32.96748
252	245	MINEOLA	963680	829	30.97587
253	243	HALLSVILLE	9616240	1,043	28.33461
254	212	MINEOLA	969360	477	27.47379
255	172	39TH STREET	961V70	51	24.47059
256	99	SCOTTSVILLE	961J10	849	23.38045
257	173	HUGHES SPRINGS	961Z00	765	23.35686
258	167	SOUTHEAST MARSHALL	9610160	1,835	23.02234
259	63	NORTH MINEOLA	965380	347	22.41210
260	120	WELLINGTON	96NT1765	567	22.14815
261	203	WINNSBORO	962040	515	21.59806
262	205	POYNTER	967680	850	21.49059
263	226	39TH STREET	962610	137	19.30657
264	249	CITY LAKE	9619120	436	17.51147
265	139	TEXARKANA PLANT	967970	203	16.30049
266	50	WELLINGTON	96NT1770	282	16.13121
267	267	LONE STAR SHELL ORDNANCE	9616030	27	14.66667
268	166	SOUTHEAST MARSHALL	9610170	1,082	14.19686
269	N/A	MORTON SALT	9615160	258	12.71318
270	271	CITY LAKE	9619210	96	11.40625
271	118	SOUTHEAST LONGVIEW	961780	589	10.79457
272	88	GATES STREET	961X60	322	9.59627
273	112	HEDLEY	96NT5845	242	8.89256
274	190	CAREY	96NT6115	114	2.71053
275	30	CENTER	962180	42	0.00000
276	251	NASH	9614710	14	0.00000

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

2017 Ranking	Substation Identification	Feeder ID	Reason not in 2018
Not applicable			

Service Quality Report to the Public Utility Commission of Texas

AEP Southwestern Electric Power

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2018 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (including lightning)	33.98%
Vegetation	37.06%
Animals and Birds	11.84%
People (including cars and farm eqpt)	2.99%
Utility-Owned Equipment	5.88%
Other	3.63%
Unknown	4.61%