



Filing Receipt

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Control Number - 52946

ItemNumber - 3

Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2021 Reporting Year

Texas-New Mexico Power Company

Project 52946

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2021	1.09	0.06	0.06	0.05	0.11	0.14	0.11	0.12	0.12	0.10	0.14	0.06	0.03
Scheduled													
2021	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outside Causes													
2021	5.55	0.02	5.11	0.03	0.04	0.06	0.02	0.02	0.10	0.02	0.07	0.02	0.02
Major Events													
2021	0.30	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2021	102.31	8.43	7.34	3.93	9.83	14.27	10.56	11.54	10.81	6.30	13.24	3.27	2.78
Scheduled													
2021	0.48	0.00	0.02	0.00	0.10	0.02	0.03	0.03	0.06	0.06	0.01	0.04	0.11
Outside Causes													
2021	1248.00	2.88	1221.43	1.50	5.98	6.62	0.74	0.49	1.41	1.00	4.87	0.69	0.40
Major Events													
2021	101.43	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.62	0.00	0.00	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

Total Number of Feeders

With 10 or more Customers

309

Add or Delete Rows as Necessary

Texas-New Mexico Power Company

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
1	73	Coyote Springs Substation	12P28	168	8.38
2	New	Cottonwood Substation	25P1227	41	6.34
3	106	Magnolia Substation	1146	3006	5.12
4	57	Dickinson Substation	1277	1667	4.99
5	273	Lone Star Substation	25P1414	79	4.86
6	3	Glen Rose Substation	22300	1124	4.49
7	16	Keystone Substation	12K434	205	4.14
8	208	Kermit #2 Substation	12K48	557	3.50
9	257	Whitewright Substation	13563	351	3.43
10	171	Alvin Substation	1232	1264	3.38
11	104	Kermit #1 Substation	4K04	554	3.22
12	182	Airport Substation	12F725	873	3.22
13	90	Longneck Substation	23126	1893	3.22
14	223	Heights Substation	1134	878	3.22
15	251	Puckett Substation	25F18	46	3.17
16	33	Freeway Park Substation	1101	1661	3.14
17	159	Farmersville West Substation	23568	846	3.03
18	218	Freeway Park Substation	1102	1735	3.01
19	56	Alvin Substation	1115	2200	2.99
20	New	Flat Top Substation	25P657	109	2.72
21	293	Jones Street Substation	1412	808	2.69
22	38	West Columbia Local Substation	1234	1359	2.64
23	18	Coyote Springs Substation	12P921	231	2.61
24	242	Hidden Lakes Substation	1477	1742	2.59
25	270	Texas Instruments Substation	1033	2348	2.57
26	11	California Substation	12K87	71	2.56
27	151	Whitewright Substation	12698	1018	2.56
28	121	Cedarvale Sub	12P1193	141	2.54
29	262	Gatesville #2 Substation	22725	487	2.53
30	5	Northside Substation	1295	2265	2.52
31	167	Seminole Substation	1402	1813	2.49
32	165	Hill County Substation	23340	629	2.48
33	83	La Marque Substation	1205	995	2.41
34	197	Sweeny Substation	1129	694	2.40
35	230	Freeway Park Substation	1298	2103	2.37
36	124	Clifton #1 22KV Substation	22485	104	2.36
37	72	Northside Substation	1294	1036	2.35
38	6	Saddleback Substation	12P821	341	2.33
39	77	Tejas Substation	1214	554	2.32
40	243	Meridian Substation	23210	822	2.32
41	247	Wickett Substation	12K449	240	2.28
42	93	Nocona Substation	13374	643	2.27
43	67	Glen Rose Substation	22305	788	2.27
44	37	Glen Rose Substation	22295	791	2.16
45	282	County Road Substation	12P1014	989	2.11
46	110	League City Main Substation	1284	2626	2.10
47	241	Nocona Substation	13610	714	2.09
48	58	Angleton Substation	1155	1241	2.08
49	7	Gatesville #2 Substation	23065	522	2.07
50	253	Meridian Substation	690	242	2.07

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
51	N/A	Talco West Substation	22237	30	2.07
52	New	Cedarvale Sub	25P1540	298	2.05
53	184	Puckett Substation	25F14	63	2.03
54	152	Alvin Substation	1116	1949	2.01
55	14	Whitewright Substation	12573	204	2.00
56	23	Bryson Substation	1233	190	1.96
57	20	Flat Top Substation	26P01	78	1.94
58	140	Elm Street Substation	12P1100	701	1.90
59	26	16th Street Substation	12F71	1798	1.82
60	149	West Columbia Local Substation	1233	1048	1.82
61	52	Sycamore Substation	24105	160	1.81
62	118	Brazoria Substation	1270	964	1.80
63	12	Coyote Springs Substation	13P37	196	1.77
64	205	Brazoria Substation	1271	1736	1.75
65	22	Alvin Substation	1231	2138	1.68
66	94	Saddleback Substation	12P813	48	1.67
67	292	Winkler County #6 Substation	25K11	56	1.64
68	278	Magnolia Substation	1150	826	1.63
69	175	Walnut Springs Substation	2215	114	1.61
70	146	Belding Substation	12F161	51	1.61
71	76	Alvin Substation	1257	2209	1.59
72	192	Glen Rose Substation	22285	992	1.56
73	145	Gomez Substation	25F61	20	1.55
74	24	Alvin Substation	1230	2369	1.51
75	75	Brazoria Substation	1291	649	1.50
76	214	Friendswood Substation	1252	1706	1.49
77	29	West Columbia Local Substation	1235	759	1.49
78	68	Blossom Substation	2207	119	1.47
79	191	Northside Substation	1228	1408	1.46
80	129	Sweeny Substation	1128	1466	1.45
81	234	Elm Street Substation	12P1080	1199	1.42
82	New	W.D. Faulkner Substation	25P1027	12	1.42
83	40	Lone Star Substation	25P1410	51	1.41
84	36	Heights Substation	1132	2215	1.40
85	105	Wickett Substation	12K446	45	1.38
86	41	Olney Substation	1690	425	1.37
87	10	Climax Substation	2234	1143	1.35
88	79	Walnut Springs Substation	25925	70	1.34
89	25	Red River Substation	2229	357	1.33
90	240	Hill County Substation	22125	754	1.32
91	95	Whitney Substation	22460	542	1.32
92	27	Hamilton County Substation	2340	149	1.31
93	244	South Substation	1108	1931	1.31
94	92	Leonard Substation	12678	540	1.30
95	84	Handley Substation	22825	466	1.28
96	194	Tejas Substation	1212	248	1.28
97	216	Bryson Substation	1230	429	1.28
98	49	Whitney Substation	22455	463	1.27
99	204	County Road Substation	12P1010	1213	1.25
100	277	Meridian Substation	680	309	1.24
101	63	Petrolia Substation	12260	835	1.23
102	219	Whitewright Substation	12575	748	1.23
103	187	Heights Substation	1224	1566	1.23
104	215	Nocona Substation	12490	316	1.22
105	190	Northside Substation	1292	711	1.22

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
106	53	Sanderson Substation	4S27	118	1.21
107	43	Seminole Substation	1403	1189	1.21
108	15	Olney Substation	1685	449	1.21
109	144	Clifton #1 22KV Substation	22480	141	1.20
110	237	Freeway Park Substation	1103	1367	1.19
111	179	Butler Road Substation	1436	3752	1.17
112	272	Mainland Substation	1454	1673	1.17
113	59	Krugerville Substation	2604	2456	1.16
114	123	South Shore Substation	1191	1876	1.16
115	238	Graham Substation	12605	130	1.15
116	New	County Road Substation	12P1044	14	1.14
117	303	Clifton #1 4KV Substation	405	223	1.14
118	162	South Shore Substation	1192	1715	1.14
119	13	Dickinson Substation	1267	2220	1.13
120	108	South Shore Substation	1190	2268	1.13
121	201	Angleton Substation	1242	533	1.11
122	111	South Shore Substation	1195	1231	1.10
123	203	Blue Ridge Substation	22700	528	1.10
124	8	Kermit #2 Substation	12K98	352	1.10
125	135	Jones Street Substation	1413	83	1.08
126	New	Ringgold Substation	23774	48	1.08
127	258	Angleton Substation	1243	1383	1.08
128	New	Cedarvale Sub	12P1189	63	1.08
129	91	Downtown 12.5KV Substation	12F520	383	1.08
130	225	Jones Street Substation	1431	980	1.07
131	122	West Substation	1203	949	1.06
132	102	South Shore Substation	1194	1600	1.06
133	288	West Substation	1234	1501	1.05
134	115	Hamilton City Substation	22780	673	1.04
135	274	Old Ocean Substation	1260	57	1.04
136	256	League City Main Substation	1011	768	1.03
137	281	Elm Street Substation	12P1076	335	1.03
138	308	Mainland Substation	1455	53	1.02
139	50	Coryell County Substation	22160	76	1.01
140	298	West Substation	1201	705	1.01
141	47	Lakepointe Substation	2540	767	1.00
142	100	Belding Substation	12F164	20	1.00
143	120	Kermit #1 Substation	4K02	245	1.00
144	117	Lakepointe Substation	2524	1467	1.00
145	128	Nocona Substation	13370	660	0.98
146	176	Magnolia Substation	1149	1591	0.96
147	266	Coyonosa Substation	25P1356	128	0.96
148	158	County Road Substation	12P1048	80	0.93
149	New	Longneck Substation	23668	12	0.92
150	285	Tarbush Substation	25P942	107	0.91
151	New	Gomez Substation	25F05	29	0.90
152	291	Coyonosa Substation	25P1360	172	0.90
153	177	Blossom Substation	2203	1407	0.88
154	290	Kermit #1 Substation	4K03	274	0.86
155	246	Valley Mills Substation	22575	697	0.85
156	235	Valley Mills Substation	22565	430	0.81
157	28	Red River Substation	2252	1150	0.80
158	195	Tolar Substation	25860	592	0.79

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
159	142	Angleton Substation	1244	1373	0.78
160	62	Friendswood Substation	1109	1513	0.78
161	239	Friendswood Substation	1108	1892	0.77
162	227	Pyote Substation	25P217	72	0.76
163	221	Freeway Park Substation	1299	848	0.73
164	64	Dickinson Substation	1274	637	0.72
165	155	Angleton Substation	1241	1515	0.71
166	69	La Marque Substation	1203	429	0.70
167	9	Alvin Substation	1254	1837	0.68
168	138	La Marque Substation	1201	874	0.66
169	46	Thurber Substation	1447	619	0.66
170	54	League City Main Substation	1012	920	0.65
171	109	Lone Oak Substation	13384	411	0.64
172	89	Friendswood Substation	1251	1812	0.63
173	161	League City Main Substation	1282	2043	0.62
174	60	La Marque Substation	1202	995	0.60
175	78	Emory Substation (ONCOR)	1201	955	0.59
176	150	League City Main Substation	1283	2228	0.59
177	160	Lake Whitney Substation	1230	533	0.58
178	174	Alvin Substation	1117	1659	0.58
179	61	Hamilton County Substation	24015	632	0.58
180	55	Airport Substation	12F271	140	0.54
181	107	Thurber Substation	1490	794	0.53
182	183	Tejas Substation	1215	1331	0.51
183	248	Saint Jo Substation	15761	212	0.50
184	96	Walnut Springs Substation	2200	401	0.49
185	207	West Columbia Local Substation	1237	787	0.49
186	169	Friendswood Substation	1253	882	0.47
187	82	Thurber Substation	22890	420	0.46
188	157	Leonard Substation	14631	475	0.45
189	255	Coyonosa Substation	25P1352	74	0.45
190	250	Worsham Field Substation	12P725	262	0.44
191	2	Olney Substation	1695	577	0.43
192	85	League City Main Substation	1285	1248	0.42
193	168	Deport Substation (ONCOR)	22164	592	0.41
194	154	Alvin Substation	1259	744	0.40
195	170	Magnolia Substation	1148	2221	0.38
196	87	Brazoria Substation	1290	935	0.38
197	70	Angleton Substation	1240	1577	0.36
198	173	Northside Substation	1293	617	0.35
199	New	Longneck Substation	23537	305	0.33
200	166	Westminster Substation	15800	128	0.32
201	261	West Substation	1235	1600	0.30
202	236	Magnolia Substation	1145	433	0.30
203	65	Jones Street Substation	1433	1046	0.29
204	153	Frontier Substation	4236	248	0.28
205	259	Tejas Substation	1217	154	0.27
206	299	West Substation	1223	2392	0.26
207	163	Whitney Substation	22450	544	0.26
208	71	Dickinson Substation	1272	1529	0.26
209	44	Seminole Substation	1404	2271	0.26
210	210	La Marque Substation	1204	1592	0.24
211	42	W.D. Faulkner Substation	25P1023	197	0.24

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
212	202	Dickinson Substation	1266	638	0.24
213	98	Elm Street Substation	12P1072	1228	0.24
214	80	Walnut Springs Substation	2210	462	0.24
215	286	Sanderson Substation	4S28	280	0.23
216	112	Leonard Substation	12682	246	0.23
217	186	16th Street Substation	13F14	345	0.23
218	231	Sweeny Substation	1264	1357	0.22
219	99	Heights Substation	1222	596	0.22
220	132	South Substation	1109	818	0.21
221	199	Whitewright Substation	12574	322	0.21
222	97	Krugerville Substation	2608	2363	0.21
223	226	Angleton Substation	1245	962	0.21
224	275	South Bend Substation	1300	152	0.20
225	249	South Substation	1103	1673	0.20
226	180	Angleton Substation	1153	2495	0.20
227	147	Leonard Substation	14635	531	0.19
228	32	Angleton Substation	1154	1914	0.19
229	134	Hamilton County Substation	2345	227	0.18
230	86	League City Main Substation	1280	1484	0.17
231	101	Coryell County Substation	22365	1073	0.17
232	119	Valley Mills Substation	22570	473	0.16
233	213	Downtown 12.5KV Substation	12F130	729	0.15
234	35	Westminster Substation	15804	406	0.15
235	116	League City Main Substation	1010	1150	0.14
236	209	Downtown 12.5KV Substation	12F114	562	0.14
237	172	Sweeny Substation	1263	518	0.14
238	222	Lake Whitney Substation	12355	892	0.14
239	185	Lone Oak Substation	13388	465	0.13
240	113	Sand Lake Substation	25P870	84	0.13
241	126	Jones Street Substation	1411	2170	0.13
242	39	Elm Street Substation	12P1108	250	0.13
243	196	La Marque Substation	1110	330	0.13
244	31	Airport Substation	12F44	995	0.13
245	304	Clifton #2 Substation	4165	309	0.13
246	139	Freeway Park Substation	1297	374	0.13
247	New	Rattlesnake Substation	25P808	24	0.12
248	252	Keystone Substation	12K437	720	0.12
249	188	Friendswood Substation	1107	1819	0.12
250	228	Meridian Substation	23205	350	0.12
251	74	Saint Jo Substation	15757	400	0.11
252	34	Coryell County Substation	22155	880	0.11
253	233	16th Street Substation	12F72	469	0.11
254	178	Magnolia Substation	1144	1391	0.11
255	211	Nocona Substation	12486	165	0.10
256	206	Clifton #2 Substation	24370	231	0.10
257	279	West Substation	1202	962	0.10
258	306	Hico City Substation	395	566	0.10
259	309	Texas Instruments Substation	2744	949	0.08
260	181	Red River Substation	2262	73	0.08
261	287	South Substation	1104	3506	0.08
262	212	California Substation	12K86	39	0.08
263	268	Kermit #1 Substation	4K05	189	0.07
264	265	Kermit #2 Substation	4K06	215	0.07

Service Quality Report to the Public Utility Commission of Texas

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
265	114	Hamilton City Substation	22785	374	0.07
266	280	Texas Instruments Substation	1013	1894	0.06
267	88	South Shore Substation	1196	1640	0.06
268	103	Pyote Substation	25P312	89	0.06
269	229	Old Ocean Substation	1262	472	0.05
270	217	Dickinson Substation	1279	2949	0.05
271	307	Lakepointe Substation	2544	147	0.05
272	189	Sanderson Substation	4S26	247	0.04
273	310	West Substation	1233	599	0.04
274	193	League City Main Substation	1281	620	0.04
275	302	Texas Instruments Substation	1012	1440	0.04
276	45	Hamilton City Substation	23825	328	0.04
277	264	Whitney #2 Substation	22465	382	0.04
278	260	Texas Instruments Substation	1032	3658	0.04
279	143	Lakepointe Substation	2512	2499	0.03
280	283	South Substation	1102	1488	0.03
281	148	Graham Substation	1245	146	0.03
282	269	Handley Substation	22820	64	0.03
283	30	Lakepointe Substation	2508	516	0.03
284	127	Longneck Substation	23130	2075	0.03
285	254	Trenton Substation	4120	210	0.02
286	245	Gatesville #2 Substation	429	433	0.02
287	305	Hico City Substation	390	280	0.02
288	267	Old Ocean Substation	1261	192	0.02
289	125	West Substation	1221	1939	0.02
290	220	Butler Road Substation	1437	1147	0.02
291	130	South Substation	1107	1325	0.02
292	294	Clifton #2 Substation	4160	324	0.02
293	263	Hamilton City Substation	23820	196	0.02
294	New	Petrolia Substation	15951	197	0.02
295	295	Gatesville #2 Substation	426	465	0.01
296	133	Clifton #1 4KV Substation	407	328	0.01
297	276	Clifton #2 Substation	23165	96	0.01
298	N/A	Hidden Lakes Substation	1476	560	0.01
299	284	West Substation	1222	1438	0.01
300	156	Kermit #2 Substation	4K07	335	0.01
301	New	Cedarvale Sub	25P1536	29	0.00
302	1	Lakepointe Substation	2516	713	0.00
303	271	Lakepointe Substation	2536	1543	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

Total Number of Feeders

With 10 or more Customers

309

Add or Delete Rows as Necessary

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
1	207	Wickett Substation	12K449	240	1,238.75
2	241	Puckett Substation	25F18	46	1,229.48
3	98	Tejas Substation	1214	554	748.03
4	87	Coyote Springs Substation	12P28	168	631.88
5	New	Cottonwood Substation	25P1227	41	607.85
6	35	Gomez Substation	25F61	20	604.50
7	6	Glen Rose Substation	22300	1124	576.04
8	47	Alvin Substation	1115	2200	449.40
9	New	Ringgold Substation	23774	48	417.69
10	89	La Marque Substation	1205	995	375.45
11	93	Jones Street Substation	1412	808	355.18
12	244	Meridian Substation	23210	822	349.72
13	New	Flat Top Substation	25P657	109	349.35
14	229	Worsham Field Substation	12P725	262	346.26
15	64	Freeway Park Substation	1101	1661	340.30
16	126	Magnolia Substation	1146	3006	339.60
17	145	Glen Rose Substation	22295	791	310.57
18	276	Lone Star Substation	25P1414	79	306.29
19	66	Hill County Substation	23340	629	299.23
20	232	Cedarvale Sub	12P1193	141	298.34
21	N/A	Talco West Substation	22237	30	292.62
22	100	Dickinson Substation	1277	1667	292.17
23	20	Saddleback Substation	12P821	341	291.48
24	104	Alvin Substation	1232	1264	287.58
25	19	Northside Substation	1295	2265	278.55
26	261	Coyonosa Substation	25P1356	128	274.57
27	289	Coyonosa Substation	25P1360	172	273.71
28	44	Coyote Springs Substation	12P921	231	266.16
29	163	Northside Substation	1294	1036	261.40
30	281	Magnolia Substation	1150	826	260.71
31	New	Cedarvale Sub	25P1540	298	258.96
32	217	Heights Substation	1134	878	258.32
33	248	Whitewright Substation	13563	351	253.36
34	139	West Substation	1203	949	242.19
35	186	Glen Rose Substation	22285	992	234.23
36	N/A	W.D. Faulkner Substation	25P1027	12	233.17
37	249	Keystone Substation	12K434	205	232.91
38	97	Glen Rose Substation	22305	788	223.82
39	25	Hamilton County Substation	2340	149	219.66
40	125	Wickett Substation	12K446	45	219.47
41	251	Gatesville #2 Substation	22725	487	218.18
42	262	Meridian Substation	690	242	217.22
43	290	Winkler County #6 Substation	25K11	56	214.50
44	29	Coyote Springs Substation	13P37	196	213.37
45	86	Saddleback Substation	12P813	48	212.06
46	34	Lone Oak Substation	13384	411	210.97
47	199	Freeway Park Substation	1298	2103	205.81
48	79	Angleton Substation	1155	1241	203.83
49	4	Handley Substation	22825	466	201.91
50	New	Gomez Substation	25F05	29	199.83

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
51	280	Meridian Substation	680	309	197.81
52	51	Walnut Springs Substation	25925	70	196.14
53	85	Elm Street Substation	12P1100	701	195.72
54	115	Alvin Substation	1116	1949	195.60
55	131	Farmersville West Substation	23568	846	192.49
56	195	Nocona Substation	12490	316	191.46
57	154	Airport Substation	12F725	873	189.23
58	118	Clifton #1 22KV Substation	22485	104	188.99
59	New	Longneck Substation	23668	12	185.83
60	226	Freeway Park Substation	1299	848	185.16
61	27	Nocona Substation	13374	643	182.73
62	75	Seminole Substation	1403	1189	180.86
63	46	Whitney Substation	22455	463	180.59
64	222	Hidden Lakes Substation	1477	1742	171.59
65	165	Seminole Substation	1402	1813	171.34
66	193	Longneck Substation	23126	1893	169.13
67	9	Whitewright Substation	12573	204	169.06
68	80	Alvin Substation	1257	2209	158.33
69	120	Emory Substation (ONCOR)	1201	955	157.38
70	291	County Road Substation	12P1014	989	155.84
71	147	Brazoria Substation	1270	964	155.74
72	168	Leonard Substation	12678	540	153.38
73	54	Friendswood Substation	1251	1812	151.78
74	72	Alvin Substation	1230	2369	151.47
75	283	Tarbush Substation	25P942	107	151.31
76	40	16th Street Substation	12F71	1798	150.43
77	10	Flat Top Substation	26P01	78	149.51
78	201	La Marque Substation	1203	429	149.19
79	138	Hill County Substation	22125	754	148.13
80	30	Petrolia Substation	12260	835	147.45
81	173	Krugerville Substation	2604	2456	146.20
82	39	Sycamore Substation	24105	160	146.11
83	63	Climax Substation	2234	1143	146.07
84	170	West Columbia Local Substation	1233	1048	145.70
85	28	California Substation	12K87	71	144.07
86	219	Whitewright Substation	12575	748	143.63
87	263	Kermit #1 Substation	4K04	554	142.64
88	149	Puckett Substation	25F14	63	142.46
89	5	Gatesville #2 Substation	23065	522	141.35
90	New	Cedarvale Sub	12P1189	63	140.89
91	31	Red River Substation	2229	357	138.83
92	223	Freeway Park Substation	1102	1735	137.96
93	134	County Road Substation	12P1048	80	135.68
94	227	Valley Mills Substation	22575	697	134.71
95	144	Belding Substation	12F161	51	133.47
96	117	Heights Substation	1132	2215	132.39
97	183	Heights Substation	1224	1566	132.09
98	23	Kermit #2 Substation	12K48	557	131.19
99	303	Clifton #1 4KV Substation	405	223	129.37
100	153	Friendswood Substation	1253	882	128.30
101	74	Lone Star Substation	25P1410	51	127.55
102	161	Tejas Substation	1215	1331	125.73
103	230	Sweeny Substation	1129	694	124.58
104	174	Blossom Substation	2203	1407	122.80
105	135	Sweeny Substation	1128	1466	122.54

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
106	192	Northside Substation	1228	1408	120.80
107	158	South Shore Substation	1191	1876	117.50
108	143	Lakepointe Substation	2524	1467	116.90
109	53	Red River Substation	2252	1150	116.84
110	18	West Columbia Local Substation	1234	1359	116.75
111	275	Texas Instruments Substation	1033	2348	113.46
112	132	Butler Road Substation	1436	3752	111.17
113	198	Pyote Substation	25P217	72	110.46
114	58	Blossom Substation	2207	119	110.45
115	274	West Substation	1234	1501	110.23
116	206	Brazoria Substation	1271	1736	109.30
117	24	Walnut Springs Substation	2200	401	108.77
118	32	Lakepointe Substation	2540	767	108.38
119	137	League City Main Substation	1284	2626	106.43
120	56	South Shore Substation	1192	1715	105.72
121	287	Elm Street Substation	12P1076	335	105.66
122	121	Angleton Substation	1244	1373	104.30
123	152	Alvin Substation	1117	1659	103.42
124	282	Mainland Substation	1454	1673	102.00
125	182	Whitewright Substation	12698	1018	100.05
126	236	Freeway Park Substation	1103	1367	97.26
127	166	Tolar Substation	25860	592	96.69
128	New	County Road Substation	12P1044	14	94.57
129	197	Blue Ridge Substation	22700	528	94.31
130	157	Lake Whitney Substation	1230	533	94.28
131	171	South Shore Substation	1194	1600	93.52
132	127	Magnolia Substation	1149	1591	92.15
133	119	South Shore Substation	1195	1231	90.77
134	103	League City Main Substation	1282	2043	90.50
135	11	Alvin Substation	1254	1837	90.46
136	167	Jones Street Substation	1413	83	90.10
137	172	Downtown 12.5KV Substation	12F520	383	89.63
138	41	La Marque Substation	1201	874	89.43
139	48	Angleton Substation	1240	1577	88.73
140	83	League City Main Substation	1012	920	88.35
141	225	South Substation	1108	1931	87.85
142	269	Elm Street Substation	12P1080	1199	85.55
143	New	Longneck Substation	23537	305	85.28
144	264	League City Main Substation	1011	768	85.20
145	213	Tejas Substation	1212	248	84.60
146	151	Dickinson Substation	1274	637	84.35
147	238	Valley Mills Substation	22565	430	84.03
148	70	Friendswood Substation	1109	1513	82.49
149	141	La Marque Substation	1202	995	80.13
150	37	Dickinson Substation	1267	2220	77.50
151	26	Thurber Substation	1447	619	77.11
152	181	Hamilton City Substation	22780	673	77.00
153	49	Alvin Substation	1231	2138	76.89
154	218	Friendswood Substation	1252	1706	76.01
155	69	Sanderson Substation	4S27	118	72.50
156	12	Olney Substation	1685	449	71.96
157	67	Olney Substation	1690	425	71.95
158	21	Olney Substation	1695	577	65.24

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
159	96	Airport Substation	12F271	140	64.51
160	109	West Columbia Local Substation	1235	759	62.82
161	194	Angleton Substation	1242	533	62.57
162	136	Angleton Substation	1241	1515	62.28
163	214	County Road Substation	12P1010	1213	62.00
164	129	Magnolia Substation	1148	2221	61.18
165	200	Deport Substation (ONCOR)	22164	592	60.36
166	220	Friendswood Substation	1108	1892	59.63
167	84	Thurber Substation	22890	420	59.51
168	239	Graham Substation	12605	130	57.85
169	95	Nocona Substation	13370	660	56.98
170	112	Walnut Springs Substation	2215	114	56.97
171	257	Coyonosa Substation	25P1352	74	56.85
172	265	Nocona Substation	13610	714	56.27
173	162	Northside Substation	1292	711	55.90
174	160	Magnolia Substation	1145	433	55.81
175	259	Saint Jo Substation	15761	212	55.58
176	71	Seminole Substation	1404	2271	55.42
177	82	League City Main Substation	1283	2228	54.78
178	106	Thurber Substation	1490	794	52.48
179	148	Alvin Substation	1259	744	52.31
180	234	Tejas Substation	1217	154	51.53
181	298	Jones Street Substation	1411	2170	50.86
182	292	West Substation	1201	705	49.94
183	99	League City Main Substation	1285	1248	48.70
184	22	Bryson Substation	1233	190	48.40
185	78	Angleton Substation	1154	1914	46.55
186	73	Whitney Substation	22460	542	46.16
187	94	Clifton #1 22KV Substation	22480	141	44.23
188	2	Jones Street Substation	1433	1046	43.32
189	180	Angleton Substation	1153	2495	41.62
190	42	W.D. Faulkner Substation	25P1023	197	40.77
191	50	League City Main Substation	1280	1484	39.28
192	116	Westminster Substation	15800	128	38.35
193	180	La Marque Substation	1204	1592	37.33
194	101	Leonard Substation	14631	475	36.88
195	3	Kermit #1 Substation	4K03	274	36.85
196	268	West Substation	1235	1600	36.51
197	150	Freeway Park Substation	1297	374	35.26
198	260	Kermit #2 Substation	12K98	352	34.90
199	8	Coryell County Substation	22160	76	34.24
200	110	Jones Street Substation	1431	980	33.17
201	36	Hamilton County Substation	24015	632	31.86
202	52	Dickinson Substation	1272	1529	31.35
203	209	Dickinson Substation	1266	638	31.14
204	57	Walnut Springs Substation	2210	462	30.53
205	130	Elm Street Substation	12P1072	1228	28.90
206	309	Texas Instruments Substation	2744	949	28.89
207	156	Heights Substation	1222	596	28.37
208	142	Northside Substation	1293	617	27.81
209	228	West Columbia Local Substation	1237	787	26.58
210	155	Brazoria Substation	1290	935	26.57
211	61	Hamilton County Substation	2345	227	26.43

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
212	279	South Bend Substation	1300	152	25.55
213	59	Leonard Substation	14635	531	24.25
214	43	Belding Substation	12F164	20	24.00
215	288	Kermit #1 Substation	4K02	245	24.00
216	190	Coryell County Substation	22365	1073	23.72
217	88	South Substation	1109	818	22.95
218	253	Old Ocean Substation	1260	57	22.77
219	81	Whitney Substation	22450	544	22.07
220	204	Krugerville Substation	2608	2363	21.84
221	247	South Substation	1103	1673	21.60
222	272	Sanderson Substation	4S28	280	20.89
223	122	Frontier Substation	4236	248	19.95
224	124	Leonard Substation	12682	246	19.67
225	76	La Marque Substation	1110	330	19.32
226	New	Rattlesnake Substation	25P808	24	19.00
227	185	Saint Jo Substation	15757	400	18.97
228	111	Sand Lake Substation	25P870	84	18.77
229	133	South Shore Substation	1190	2268	17.81
230	189	Meridian Substation	23205	350	17.60
231	45	Westminster Substation	15804	406	17.06
232	179	Whitewright Substation	12574	322	16.77
233	169	Magnolia Substation	1144	1391	16.48
234	212	Sweeny Substation	1264	1357	15.59
235	267	Angleton Substation	1243	1383	15.46
236	91	Elm Street Substation	12P1108	250	14.89
237	246	Downtown 12.5KV Substation	12F130	729	14.19
238	254	16th Street Substation	13F14	345	13.13
239	108	League City Main Substation	1010	1150	12.80
240	176	Bryson Substation	1230	429	12.79
241	231	Angleton Substation	1245	962	12.51
242	90	Brazoria Substation	1291	649	12.17
243	208	Lake Whitney Substation	12355	892	12.11
244	284	West Substation	1202	962	12.03
245	178	Friendswood Substation	1107	1819	11.68
246	306	Hico City Substation	395	566	11.50
247	140	Keystone Substation	12K437	720	10.73
248	68	Pyote Substation	25P312	89	10.12
249	215	Valley Mills Substation	22570	473	10.12
250	38	Coryell County Substation	22155	880	9.61
251	270	South Substation	1104	3506	9.29
252	177	Red River Substation	2262	73	9.15
253	191	Lone Oak Substation	13388	465	9.01
254	203	League City Main Substation	1281	620	8.14
255	164	Hamilton City Substation	23825	328	7.40
256	302	Texas Instruments Substation	1012	1440	6.25
257	175	South Shore Substation	1196	1640	6.12
258	224	California Substation	12K86	39	6.05
259	310	West Substation	1233	599	6.05
260	245	Downtown 12.5KV Substation	12F114	562	5.93
261	187	Sweeny Substation	1263	518	5.71
262	65	Airport Substation	12F44	995	5.57
263	62	Lakepointe Substation	2512	2499	5.51
264	307	Lakepointe Substation	2544	147	5.50

Service Quality Report to the Public Utility Commission of Texas

Texas-New Mexico Power Company

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
265	210	Hamilton City Substation	22785	374	5.49
266	278	South Substation	1102	1488	5.42
267	233	Nocona Substation	12486	165	5.38
268	188	Longneck Substation	23130	2075	5.29
269	202	Dickinson Substation	1279	2949	5.14
270	285	Texas Instruments Substation	1013	1894	5.12
271	252	Clifton #2 Substation	24370	231	5.00
272	211	Sanderson Substation	4S26	247	4.92
273	235	Kermit #1 Substation	4K05	189	4.71
274	304	Clifton #2 Substation	4165	309	4.65
275	295	West Substation	1223	2392	4.62
276	256	Texas Instruments Substation	1032	3658	4.47
277	196	16th Street Substation	12F72	469	3.95
278	221	Old Ocean Substation	1262	472	3.69
279	60	Lakepointe Substation	2508	516	3.38
280	258	South Substation	1107	1325	3.03
281	New	Petrolia Substation	15951	197	2.77
282	255	Whitney #2 Substation	22465	382	2.75
283	184	Butler Road Substation	1437	1147	2.66
284	114	Graham Substation	1245	146	2.39
285	243	Trenton Substation	4120	210	2.37
286	305	Hico City Substation	390	280	2.31
287	250	Gatesville #2 Substation	429	433	2.29
288	102	Kermit #2 Substation	4K06	215	1.93
289	242	Hidden Lakes Substation	1476	560	1.85
290	277	Handley Substation	22820	64	1.67
291	123	Clifton #1 4KV Substation	407	328	1.57
292	299	Gatesville #2 Substation	426	465	1.51
293	105	West Substation	1221	1939	1.48
294	273	Hamilton City Substation	23820	196	1.43
295	237	Old Ocean Substation	1261	192	1.30
296	308	Mainland Substation	1455	53	1.17
297	286	West Substation	1222	1438	0.79
298	266	Clifton #2 Substation	23165	96	0.78
299	15	Lakepointe Substation	2516	713	0.69
300	296	Clifton #2 Substation	4160	324	0.66
301	New	Cedarvale Sub	25P1536	29	0.20
302	16	Kermit #2 Substation	4K07	335	0.19
303	271	Lakepointe Substation	2536	1543	0.05
304	257	Clifton #2 Substation	4165	309	0.00
305	175	Hico City Substation	390	279	0.00
306	276	Hico City Substation	395	544	0.00
307	93	Lakepointe Substation	2544	108	0.00
308	297	Mainland Substation	1455	48	0.00
309	New	Texas Instruments Substation	2744	929	0.00
310	163	West Substation	1233	596	0.00

Service Quality Report to the Public Utility Commission of Texas

**TEXAS-NEW MEXICO POWER COMPANY
INTERRUPTION CAUSES**

Provide the percentage of interruptions attributable to each cause.

2021 Reporting Year

Causes of Forced Interruptions	Percentage
VEGETATION	28.0%
UTILITY-OWNED EQUIPMENT	25.8%
WEATHER	25.3%
ANIMALS AND BIRDS	11.8%
UNKNOWN	4.1%
PEOPLE	3.9%
OTHER	1.2%
TOTAL	100%

Texas New Mexico Power

Docket No. 52946

Addendum to Reporting Year 2021 Service Quality Report

Discussion:

TNMP had 5 circuits on the 2020 Worst Performing Circuit list. These circuits exceeded 300% of the yearly system average SAIDI or SAIFI for two years or more. This document is an update on the performance of these circuits and includes the 2021 plans and efforts for improvement.

2020 System Average SAIFI **1.02**, 300% System Average **4.08**

2020 System Average SAIFI **95.67**, 300% System Average **382.68**

2020 SAIDI > 300% Repeating Circuits

- Cochise 12P637 (2 Years – 1st Year Violation)
- Cochise 25P48 (2 Years – 1st Year Violation)
- Coryell Co. 22160 (3 Years – 2nd Year Violation)
- Flat Top 26P01 (2 Years – 1st Year Violation)
- Keystone 12K434 (2 Years – 1st Year Violation)

2020 SAIFI > 300% Repeating Circuits

- None

Cochise 12P637:

This circuit is in violation due to SAIDI. It is in a remote area of West Texas 10 miles northeast of Pecos. The primary reason for outages on this circuit are weather and weather-related equipment problems.

- 12.5 KV circuit, 57 miles long.
- 61 customers, residential, oil and gas, agriculture
- Overhead conductor, wood poles
- Serviced from the Pecos office; circuit begins 10 miles from office
- Reliability challenges – distance from office, heavy exposure to lightning and high winds, heavy exposure to oilfield truck traffic
- 2020 Large Outages:
 - May – Storm (16 poles) (26 customers, 28,496 customer outage minutes)
 - September – Storm (15 Structures) (61 customers, 78,019 customer outage minutes)
- 2020 Expenditures:
 - Performed line patrol, complete required maintenance: \$20K
- 2021 Expenditures:
 - Installed fault indicators at critical locations: \$23K
 - Performed line patrol, completed required maintenance: \$20K

Cochise 25P48:

This circuit is in violation due to SAIDI. It is in a remote area of West Texas 10 miles northeast of Pecos. The primary reason for outages on this circuit are weather and weather-related equipment problems.

- 25 KV circuit, 26 miles long.
- 297 customers, residential, oil and gas
- Overhead conductor, wood poles

- Serviced from the Pecos office, circuit begins 10 miles from Pecos Office
- Reliability challenges – Heavy exposure due to lightning and high winds.
- 2020 Large Outages:
 - March – Broken Pole (297 customers, 117,970 customer outage minutes)
 - June – Customer Equip. Problems (297 customers, 44,847 customer outage minutes)
- 2020 Expenditures:
 - Patrolled line, performed maintenance: \$20K
 - Installed fault indicators, 5 sets: \$12K
- 2021 Expenditures:
 - Patrolled line and completed required maintenance: \$21K

Coryell Co. 22160:

This circuit is in violation due to SAIDI. It is located in Central Texas north of Gatesville. The primary reason for outages on this circuit in 2020 are due to weather, complicated and lengthened by recloser failures.

- 25KV circuit, 14 miles long, no SCADA support
- 75 customers, residential, agricultural
- Overhead conductor, wood poles
- Serviced from Clifton Construction Center
- Reliability challenges – remote location, not parallel to or visible from any roads, heavy vegetation, and limited vehicular access. Large sections of line must be patrolled on foot between property lines. 80% of customers served on the last 1.5 miles of line.
- 2020 Large Outages:
 - April – Lightning/Equip. Failure (67 customers; 31,423 customer outage minutes)
 - June – Lightning/Equip. Failure (67 customers; 6,528 customer outage minutes)
- 2020 Expenditures:
 - After spending \$665K in 2019 on tree trimming and replacing poles, crossarm, and lightning arresters; the recloser failed during the outage in April. That recloser was replaced with a new vacuum recloser at a cost of \$47K. There have been minimal outages since that replacement.
- 2021 Expenditures:
 - Completed mainline patrol to find and repair any additional defects: \$2K

Flat Top 26P01:

This circuit is in violation due to SAIDI. It is located about 20 miles southeast of Pecos. The primary reason for outages on this circuit are weather and equipment failures.

- 25 kV circuit, 30 miles long
- 222 customers residential, oil, and gas
- Overhead conductor, wood poles
- Serviced from Pecos office; circuit begins 20 miles from office
- Reliability challenges - Heavy exposure to lightning and high winds and difficult access due to many portions of circuit off public rights of way.

- 2020 Large Outages:
 - January – Phase fell off insulator (222 customers; 21,645 customer outage minutes)
 - January – Broken cross-arm (222 customers; 40,120 customer outage minutes)
 - February – High wind/construction spacing (222 customers; 30,430 customer outage minutes)
- 2020 Expenditures:
 - Installed 4G SCADA control on breaker: \$65K
 - Re-conducted 12 miles, 277 poles, 340 arms, 27 fault indicators, \$2.5M
 - Installed additional fused and solid blade isolation points, air-switch: \$20K
 - Tested URD getaways: \$20K
- 2021 Expenditures:
 - Replaced URD terminations on station feeder exits: \$25K
 - Patrolled line and completed required maintenance: \$21K

Keystone 12K434:

This circuit is in violation due to SAIDI. It is located in North Kermit. The primary reason for outages on this circuit are various equipment failures.

- 12.5 kV circuit, 39 miles long
- 65 customers, oil, and gas
- Overhead conductor, wood poles
- Serviced from Kermit office
- Reliability challenges – heavy exposure to lightning and high wind, right of way is sandy and difficult to patrol.
- 2020 Large Outages:
 - January – Phase broken (65 customers; 10,458 customer outage minutes)
 - March – Vehicle Accident (65 customers; 6,045 customer outage minutes)
 - September – High Wind/Pole Broken (65 customers; 6,890 customer outage minutes)
- 2020 Expenditures:
 - Patrolled line, performed maintenance: \$18K
 - Added neutral and change-out poles as needed for clearance: \$241K
- 2021 Expenditures:
 - Patrolled line, performed required maintenance: \$19K
 - Installed fault indicators at critical locations: \$7.5K
 - Added neutral to multiple line sections: \$10K

