



Filing Receipt

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

Project 52946

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2021	1.455	0.089	0.098	0.101	0.079	0.031	0.067	0.085	0.222	0.196	0.180	0.148	0.157
Scheduled													
2021	0.283	0.024	0.033	0.043	0.039	0.007	0.019	0.018	0.010	0.035	0.007	0.025	0.024
Outside Causes													
2021	0.200	0.001	0.017	0.051	0.006	0.010	0.009	0.003	0.034	0.028	0.021	0.010	0.009
Major Events													
2021	1.208	0.000	0.215	0.000	0.000	0.993	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2021	220.7	15.0	10.7	12.1	12.8	4.2	7.1	10.6	40.8	26.4	25.8	21.8	33.4
Scheduled													
2021	50.7	1.4	3.6	6.5	4.8	1.3	2.1	2.9	1.3	16.8	1.1	4.0	4.8
Outside Causes													
2021	28.0	0.1	1.2	6.4	0.3	0.6	0.7	0.4	5.7	5.2	4.0	1.8	1.6
Major Events													
2021	683.6	0.0	61.7	0.0	0.0	621.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

413

Add or Delete Rows as Necessary

Entergy Texas, Inc.

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
1	293	HEIGHTS	362HT	118	54.915
2	62	NECHES	194NE	11	17.818
3	4	FORT WORTH	567FT	469	10.111
4	84	CRYSTAL	566CR	1447	8.218
5	20	STILSON	731SN	30	8.167
6	308	CONROE BULK	577CN	707	6.911
7	158	JOHNSTOWN	544JT	2826	5.795
8	78	CRYSTAL	570CR	1193	5.731
9	17	FORT WORTH	99FTW	370	5.705
10	51	CHEEK	166CH	376	5.662
11	309	PORT ACRES SUB	69PTA	724	5.283
12	118	HEIGHTS	363HT	1138	5.272
13	360	APOLLO	321AP	1664	5.067
14	173	CLEVELAND - TX	405CV	487	4.83
15	314	ELIZABETH	122EL	734	4.751
16	38	CROCKETT	63CRK	32	4.656
17	218	BEVIL	155BE	3960	4.314
18	133	CRYSTAL	567CR	1321	4.287
19	122	WEST END	86WED	457	4.252
20	89	JOHNSTOWN	345JT	2025	4.159
21	21	CLEVELAND - TX	425CV	4247	4.145
22	16	WARREN	592WR	2278	4.014
23	165	TRAVIS	14TRV	11	4
24	27	NECHES	197NE	139	3.993
25	223	AMELIA BULK	182AM	1232	3.932
26	343	FOREST	755FO	1375	3.916
27	59	MAGNOLIA AMES	711MG	814	3.844
28	19	KICKAPOO	251KP	1355	3.838
29	79	WESTSIDE	111WS	327	3.835
30	104	CORRIGAN BULK	238CR	602	3.822
31	253	FOREST	750FO	660	3.73
32	311	BENTWATER	522BW	736	3.717
33	190	PORT ACRES SUB	67PTA	599	3.621
34	280	HEIGHTS	364HT	1829	3.613
35	270	PORT NECHES	46PTN	1300	3.603
36	284	HEIGHTS	365HT	238	3.559
37	320	CONAIR	513CN	1708	3.523
38	6	RAYWOOD	74RAY	1109	3.491
39	370	METRO	723ME	777	3.432
40	279	LONGMIRE	583LM	1806	3.425
41	13	GEORGIA	670GE	697	3.409
42	49	MCLEWIS	380MC	2429	3.255
43	63	WINFREE	342WN	1209	3.215
44	295	LOEB	18LOB	554	3.213

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
45	40	ECHO	70ECH	1697	3.15
46	232	CHEEK	159CH	548	3.141
47	317	WESTSIDE	112WS	379	3.135
48	125	GROVES-EGSI	59GRO	1747	3.121
49	1	BAYSHORE	212BA	48	3.104
50	187	HEIGHTS	360HT	287	3.042
51	33	APOLLO	320AP	2125	3.02
52	335	EGYPT	550EP	1102	2.994
53	170	BRIDGE CITY	360BD	1149	2.982
54	8	PORT ACRES SUB	68PTA	1272	2.982
55	93	KOLBS	34KOL	1064	2.973
56	238	TAMINA	317TA	812	2.961
57	18	Alden Bridge	771AL	2158	2.872
58	68	TEMCO	628TE	406	2.845
59	73	PEE DEE	809PD	1665	2.838
60	156	PARKWAY	350PW	978	2.83
61	148	WARREN	506WR	1356	2.823
62	36	RIVTRIN	269RV	3017	2.811
63	94	DAYTON BULK	723DY	1090	2.752
64	222	OAK RIDGE - TX	741OK	829	2.747
65	252	METRO	720ME	546	2.734
66	242	CALDWELL INDUSTRIAL	138CI	741	2.715
67	328	OAK RIDGE - TX	743OK	1093	2.708
68	64	CALVERT	6CAL	1590	2.651
69	150	NAVASOTA	969NA	1132	2.641
70	183	HUNTSVILLE	607HU	3530	2.597
71	67	JOHNSTOWN	343JT	1554	2.582
72	99	HUNTSVILLE	600HU	2245	2.567
73	175	MCDONALD	477MD	1584	2.52
74	75	TAMINA	598TA	838	2.501
75	300	NECHES	193NE	1436	2.495
76	318	YANKEE DOODLE	22YAN	2053	2.494
77	90	FEDERAL	801FE	262	2.492
78	231	Alden Bridge	763AL	737	2.482
79	24	HEARNE	26HRN	551	2.479
80	87	NEW CANEY	304NC	1864	2.477
81	233	ECHO	73ECH	784	2.431
82	91	LACON	537LA	2179	2.43
83	188	GOSLIN	704GL	1680	2.413
84	372	CONROE BULK	574CN	2370	2.358
85	142	WYNTEX	634WT	1317	2.302
86	350	HUMPHREY - TX	107HM	867	2.288
87	302	JOHNSTOWN	342JT	736	2.274
88	46	DOUCETTE	568DC	584	2.255
89	29	ADAMS BAYOU	330AD	154	2.253
90	211	HUMPHREY - TX	106HM	1051	2.24
91	346	BRIDGE CITY	361BD	1130	2.214
92	306	GROVES-EGSI	61GRO	949	2.213
93	103	CLEVELAND - TX	404CV	1880	2.212

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
94	313	SPLENDORA	309SP	1449	2.197
95	137	MAPLE	90MPL	334	2.195
96	61	DAYTON BULK	726DY	1573	2.195
97	310	KOLBS	37KOL	719	2.195
98	155	FOREST	753FO	1400	2.186
99	359	TYRRELL	37TYR	496	2.171
100	53	HEARNE	28HRN	30	2.167
101	26	WALDEN	564WD	2852	2.151
102	180	CEDAR	698CE	21	2.143
103	208	DAISETTA	743DA	363	2.14
104	400	GOSLIN	701GL	876	2.134
105	166	MCLEWIS	382MC	851	2.128
106	82	STOWELL	231ST	1038	2.12
107	213	WOODVILLE - TX	593WD	716	2.089
108	92	CLEVELAND - TX	426CV	3060	2.08
109	12	DOUCETTE	569DC	199	2.075
110	326	VIRGINIA	129VI	568	2.03
111	243	GOREE	682GR	1670	2.001
112	225	LINDBERGH	41LNB	1722	1.995
113	365	BROOKS CREEK	270BC	52	1.981
114	257	BRIDGE CITY	362BD	1192	1.955
115	New Feeder	HIGH ISLAND	226HI	101	1.95
116	48	MCHALE	112MC	818	1.924
117	9	GOREE	681GR	656	1.924
118	25	CONROE BULK	572CN	1438	1.903
119	256	VIRGINIA	130VI	1186	1.895
120	111	HARDIN	35HDN	831	1.853
121	119	PEE DEE	806PD	2616	1.835
122	72	YANKEE DOODLE	23YAN	542	1.806
123	271	ELIZABETH	123EL	2621	1.799
124	54	LOVELLS LAKE	141LV	730	1.76
125	249	CORDREY	324CO	1544	1.757
126	66	CLEVELAND - TX	406CV	1826	1.755
127	185	SOUR LAKE	105SL	1268	1.741
128	74	ECHO	72ECH	498	1.737
129	86	GRIMES	883GR	879	1.734
130	214	CALVERT	4CAL	2188	1.722
131	115	PANSY	184PS	420	1.719
132	273	NEW CANEY	335NC	2581	1.705
133	210	LONGMIRE	584LM	1416	1.694
134	117	ELIZABETH	121EL	1463	1.692
135	23	BAYSHORE	213BA	1783	1.665
136	129	SHEAWILL	536SH	1413	1.664
137	127	EASTGATE	781EG	1121	1.643
138	174	HUNTSVILLE	610HU	1793	1.632
139	237	APRIL	592AP	1133	1.617
140	131	GOSLIN	703GL	1647	1.59
141	375	Alden Bridge	762AL	5161	1.587
142	85	PANSY	185PS	1333	1.569

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143	228	PLANTATION - TX	545PL	1122	1.565
144	96	NORTH END	21NOE	1867	1.559
145	31	GRIMES	981GR	325	1.554
146	206	MANCHESTER	67MAN	973	1.541
147	191	STOWELL	233ST	691	1.54
148	106	BRIARCLIFF	30BRC	2408	1.534
149	146	RAYWOOD	75RAY	184	1.533
150	124	WYNTEX	632WT	889	1.532
151	267	LONGMIRE	580LM	2397	1.524
152	334	VIDOR	161VD	577	1.511
153	265	CHEEK	160CH	712	1.503
154	135	VIDOR	162VD	1852	1.49
155	281	TANGLEWOOD	136TG	622	1.486
156	32	HANKS	22HKS	1113	1.468
157	248	LACON	539LA	2157	1.465
158	105	NEW CANEY	337NC	587	1.448
159	55	GRIMES	982GR	762	1.444
160	246	LACON	538LA	1483	1.44
161	15	WEST END	82WED	488	1.4
162	392	NORTH END	28NOE	172	1.395
163	296	CORDREY	325CO	1560	1.388
164	286	BENTWATER	521BW	2102	1.377
165	193	MEMORIAL	281ML	832	1.365
166	298	DAYTON BULK	724DY	2257	1.361
167	101	ROSEDALE - TX	151RS	1279	1.356
168	184	NEW CANEY	336NC	4915	1.356
169	168	APRIL	590AP	1597	1.35
170	247	CHINA	92CHI	667	1.349
171	276	VIWAY	681VI	897	1.346
172	167	BRIARCLIFF	32BRC	1289	1.344
173	171	GOSLIN	709GL	3600	1.339
174	100	MCDONALD	479MD	773	1.329
175	130	MERLIN	375MR	864	1.321
176	157	VIDOR	163VD	1685	1.318
177	116	OAK RIDGE - TX	740OK	1294	1.3
178	209	PANORAMA	525PA	1439	1.296
179	285	LINDBERGH	40LNB	1592	1.291
180	234	OAK RIDGE - TX	745OK	527	1.288
181	14	DOUCETTE	570DC	1146	1.286
182	329	SILSBEE	462SI	799	1.285
183	152	KOLBS	35KOL	1065	1.283
184	244	TANGLEWOOD	134TG	2237	1.279
185	42	DAYTON BULK	725DY	1578	1.273
186	277	OILLA	345OI	1466	1.27
187	216	ECHO	71ECH	735	1.26
188	199	LINDBERGH	43LNB	781	1.259
189	275	HUNTSVILLE	608HU	3428	1.254
190	77	SOMERVILLE	127SO	492	1.254
191	134	CONROE BULK	507CN	2214	1.251

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2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
192	172	ORANGE	350ON	939	1.24
193	97	WESTSIDE	113WS	273	1.227
194	153	WEST END	88WED	888	1.224
195	154	CROWDER	105CD	928	1.185
196	132	PEE DEE	808PD	932	1.147
197	200	TANGLEWOOD	137TG	1506	1.137
198	353	Alden Bridge	766AL	1665	1.133
199	37	GOSLIN	708GL	2226	1.133
200	83	NAVASOTA	905NA	2356	1.132
201	176	PARKWAY	782PW	352	1.131
202	345	MCHALE	111MC	656	1.122
203	321	BRIARCLIFF	31BRC	864	1.12
204	339	JIROU	78JRU	300	1.117
205	330	METRO	719ME	1823	1.115
206	11	WINSHIRE	241WS	1080	1.111
207	227	BEVIL	154BE	2510	1.104
208	235	NEW CANEY	333NC	3908	1.092
209	356	HIMEX	222HI	220	1.091
210	New Feeder	FOREST	756FO	312	1.064
211	358	ROSEDALE - TX	153RS	756	1.062
212	291	HIMEX	221HI	106	1.057
213	340	MCHALE	110MC	1033	1.041
214	197	CROCKETT	61CRK	94	1.021
215	403	JIROU	75JRU	60	1.017
216	382	LINCOLN	16LCN	290	1.017
217	71	FRONT STREET	307FR	491	0.996
218	2	Alden Bridge	768AL	1531	0.995
219	361	GOSLIN	705GL	1631	0.994
220	128	LOVELLS LAKE	142LV	389	0.979
221	371	Alden Bridge	767AL	2776	0.979
222	217	LONGMIRE	582LM	1441	0.969
223	274	BEVIL	156BE	624	0.952
224	162	LUMBERTON	441LU	4587	0.949
225	43	TEMCO	627TE	934	0.928
226	202	TRAVIS	13TRV	39	0.923
227	5	METRO	722ME	1235	0.922
228	304	PLANTATION - TX	546PL	866	0.92
229	196	NORTH SILSBEE	472NS	328	0.905
230	379	ADAMS BAYOU	331AD	196	0.903
231	57	MERLIN	374MR	560	0.893
232	95	MAYHAW	673MA	1860	0.888
233	7	DOBBIN	519DO	2110	0.884
234	292	VIRGINIA	132VI	591	0.883
235	230	FOREST	757FO	290	0.883
236	263	WEST ORANGE	392WO	691	0.881
237	113	WINFREE	340WN	476	0.868
238	251	TRANSCO	48TCO	220	0.859
239	259	FLETCHER	457FL	1514	0.849
240	229	ROSEDALE - TX	152RS	748	0.841

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
241	352	CROCKETT	65CRK	551	0.84
242	299	CHINA	93CHI	1300	0.838
243	35	RIVTRIN	268RV	2648	0.838
244	141	EGYPT	552EP	2098	0.82
245	288	SARATOGA	761SA	434	0.818
246	250	BENTWATER	520BW	2166	0.817
247	338	NORTH SILSBEE	471NS	1120	0.806
248	324	HANKAMER	206HA	694	0.803
249	163	CROCKETT	64CRK	1011	0.798
250	260	CONAIR	511CN	1631	0.783
251	254	KOUNTZE BULK	432KT	886	0.783
252	69	BATSON	53BAT	918	0.757
253	151	WINFREE	341WN	747	0.746
254	198	GOSLIN	710GL	952	0.744
255	287	FOREST	752FO	357	0.739
256	138	NEW CANEY	334NC	6732	0.73
257	347	AMELIA BULK	180AM	1422	0.714
258	297	ROSEDALE - TX	150RS	125	0.712
259	189	GOSLIN	707GL	721	0.693
260	179	SOUR LAKE	104SL	389	0.689
261	327	EGYPT	551EP	2605	0.682
262	212	VIWAY	682VI	1702	0.673
263	109	DOBBIN	920DO	1970	0.664
264	102	OAK RIDGE - TX	744OK	3057	0.661
265	182	MEMORIAL	280ML	944	0.657
266	126	DAISETTA	744DA	692	0.656
267	28	CROCKETT	195CR	971	0.652
268	108	SILSBEE	461SI	538	0.645
269	50	VIRGINIA	131VI	1364	0.644
270	289	GOSLIN	702GL	1635	0.643
271	88	ELIZABETH	120EL	1357	0.628
272	261	LOEB	17LOB	989	0.628
273	367	PARKDALE	176PR	706	0.625
274	47	HIMEX	223HI	5115	0.608
275	39	WALDEN	563WD	1975	0.607
276	272	WOODVILLE - TX	594WD	1195	0.6
277	107	FLETCHER	456FL	831	0.598
278	342	Alden Bridge	770AL	1882	0.597
279	278	MANCHESTER	66MAN	2080	0.595
280	331	SPURLOCK	98SPU	725	0.59
281	22	CONAIR	512CN	1234	0.585
282	381	LILLARD	490LI	281	0.577
283	161	CENTRAL	132CE	1821	0.569
284	181	RAYWOOD	73RAY	463	0.568
285	348	LINDBERGH	42LNB	311	0.553
286	81	VIDOR	164VD	781	0.551
287	110	STOWELL	232ST	1165	0.551
288	123	NAVASOTA	904NA	1514	0.549
289	269	AMELIA BULK	181AM	2458	0.533

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290	56	MCLEWIS	381MC	1225	0.527
291	245	TAMINA	599TA	460	0.52
292	203	HANKS	23HKS	1394	0.509
293	220	BRIDGE CITY	363BD	2201	0.494
294	80	HANKAMER	207HA	772	0.494
295	221	KOUNTZE	453KT	663	0.493
296	262	CLEVELAND - TX	403CV	1501	0.49
297	266	FORT WORTH	12FTW	1428	0.482
298	402	METRO	718ME	2058	0.482
299	140	HAMPTON	158HA	1126	0.474
300	147	SILSBEE	463SI	777	0.474
301	120	STONEGATE	92STG	2023	0.473
302	239	LACON	540LA	1299	0.45
303	58	CROWDER	103CD	1450	0.446
304	201	FORT WORTH	7FTW	1167	0.421
305	159	BAYOU FANNETT	250BY	324	0.42
306	337	CONROE BULK	505CN	1278	0.416
307	219	KOLBS	36KOL	1358	0.409
308	255	CROWDER	104CD	1674	0.406
309	177	DAYTON BULK	727DY	791	0.393
310	34	HANKS	25HKS	920	0.387
311	204	NEW CANEY	338NC	1494	0.38
312	393	METRO	717ME	222	0.369
313	325	METRO	721ME	692	0.361
314	322	WALDEN	560WD	733	0.357
315	45	TANGLEWOOD	135TG	675	0.356
316	305	HUNTSVILLE	611HU	1511	0.353
317	319	MCDONALD	476MD	1114	0.352
318	268	FRONT STREET	310FR	543	0.348
319	44	CORRIGAN BULK	239CR	496	0.347
320	336	SPLENDORA	307SP	1715	0.341
321	391	TYRRELL	38TYR	50	0.34
322	351	CONROE BULK	573CN	15	0.333
323	307	WEST END	85WED	514	0.325
324	178	WEST ORANGE	393WO	649	0.324
325	301	CONROE BULK	506CN	2161	0.32
326	New Feeder	WALDEN	562WD	565	0.32
327	315	HANKS	24HKS	815	0.317
328	333	FOREST	759FO	426	0.31
329	380	SOUTH LIBERTY	714SL	115	0.304
330	241	CROWDER	102CD	1767	0.303
331	264	CORDREY	327CO	949	0.296
332	354	CENTRAL	133CE	1611	0.296
333	136	CORDREY	326CO	1217	0.286
334	3	CHEEK	165CH	120	0.283
335	355	WYNTEX	633WT	875	0.281
336	112	APRIL	591AP	1667	0.261
337	41	WINSHIRE	240WS	959	0.261
338	294	ORANGE	352ON	905	0.254

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339	390	DAISETTA	741DA	253	0.253
340	258	ORANGE	351ON	486	0.243
341	332	LONGMIRE	581LM	2579	0.239
342	236	GOSLIN	706GL	1469	0.236
343	377	MCDONALD	478MD	628	0.234
344	224	LAKEVIEW	81LAV	1270	0.232
345	378	STONEGATE	93STG	2070	0.231
346	169	BRIARCLIFF	33BRC	301	0.189
347	303	CENTRAL	131CE	979	0.181
348	30	CENTRAL	130CE	737	0.179
349	194	BAYSHORE	211BA	1061	0.156
350	362	FOREST	751FO	3131	0.156
351	226	STONEGATE	91STG	1387	0.151
352	316	FRONT STREET	308FR	360	0.15
353	394	PORT ACRES BULK	70PAS	764	0.149
354	70	LAKEVIEW	80LAV	686	0.147
355	144	CROCKETT	198CR	220	0.145
356	164	Alden Bridge	769AL	1148	0.144
357	52	GROVES-EGSI	62GRO	1562	0.14
358	139	KOUNTZE	452KT	398	0.138
359	369	STONEGATE	90STG	1041	0.122
360	143	MANCHESTER	65MAN	58	0.121
361	76	METRO	724ME	1047	0.115
362	344	SOMERVILLE	126SO	846	0.112
363	10	GROVES-EGSI	63GRO	1313	0.11
364	405	INDEPENDENCE - TX	945ID	10	0.1
365	186	LINCOLN	15LCN	293	0.099
366	385	MAPLE	91MPL	204	0.098
367	240	CONROE BULK	504CN	238	0.092
368	395	HAMPTON	157HA	11	0.091
369	323	CONAIR	516CN	308	0.088
370	341	MCHALE	113MC	608	0.086
371	366	PARKDALE	171PR	694	0.081
372	363	FOREST	758FO	308	0.078
373	207	FOREST	754FO	1488	0.076
374	205	CROCKETT	60CRK	205	0.073
375	114	SPURLOCK	99SPU	782	0.073
376	349	CONROE BULK	576CN	1698	0.07
377	215	TAMINA	316TA	301	0.07
378	60	ADAMS BAYOU	332AD	532	0.066
379	145	SHEAWILL	535SH	692	0.064
380	282	CONAIR	514CN	1217	0.062
381	368	METRO	716ME	33	0.061
382	374	KOUNTZE BULK	435KT	50	0.06
383	388	NORTH END	29NOE	342	0.058
384	387	YANKEE DOODLE	25YAN	176	0.057
385	364	NORTH END	26NOE	301	0.056
386	384	Alden Bridge	765AL	708	0.055
387	65	OAK RIDGE - TX	742OK	238	0.055

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
388	383	MAYHAW	671MA	77	0.052
389	398	TESCO	36TSC	80	0.05
390	195	HUMPHREY - TX	108HM	46	0.043
391	283	TRAVIS	11TRV	26	0.038
392	397	YANKEE DOODLE	24YAN	236	0.038
393	160	JIROU	76JRU	170	0.035
394	312	WEST END	87WED	34	0.029
395	121	PORT NECHES	45PTN	922	0.026
396	401	METRO	715ME	38	0.026
397	386	NORTH END	27NOE	56	0.018
398	373	SPLENDORA	308SP	4128	0.016
399	389	PARKWAY	351PW	586	0.014
400	New Feeder	HIGH ISLAND	227HI	224	0.013
401	192	CONROE BULK	575CN	894	0.012
402	376	CONAIR	515CN	831	0.011
403	98	Alden Bridge	764AL	1254	0.006
404	357	JIROU	77JRU	316	0
405	396	PARKDALE	172PR	24	0
406	399	TRAVIS	6TRV	26	0
407	290	TRAVIS	8TRV	23	0
408	149	WEST END	80WED	269	0
409	New Feeder	COMMERCE	528CM	18	0
410	New Feeder	COMMERCE	529CM	22	0
411	New Feeder	COMMERCE	530CM	33	0
412	404	SPEEDWAY	917SW	50	0
413	New Feeder	HIGH ISLAND	228HI	5512	0

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

413

Add or Delete Rows as Necessary

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
1	338	HEIGHTS	362HT	118	13179
2	125	NECHES	194NE	11	7455
3	3	FORT WORTH	567FT	469	2338.8
4	25	STILSON	731SN	30	2137.6
5	147	CEDAR	698CE	21	1849
6	120	HEIGHTS	363HT	1138	1367.6
7	106	CRYSTAL	566CR	1447	1341.8
8	76	CRYSTAL	570CR	1193	1317
9	153	PORT ACRES SUB	67PTA	599	1314.7
10	10	CORRIGAN BULK	238CR	602	1217.9
11	234	HEIGHTS	365HT	238	1043.9
12	82	TRAVIS	14TRV	11	1024.2
13	299	TAMINA	317TA	812	1007.6
14	58	TAMINA	598TA	838	942
15	39	FORT WORTH	99FTW	370	857.8
16	52	CLEVELAND - TX	425CV	4247	829.9
17	167	JOHNSTOWN	544JT	2826	828.8
18	282	CONROE BULK	577CN	707	803.1
19	99	STOWELL	231ST	1038	769.3
20	8	WESTSIDE	111WS	327	750
21	250	FOREST	750FO	660	743.1
22	43	CHEEK	166CH	376	733.7
23	312	BENTWATER	522BW	736	693.3
24	61	MAGNOLIA AMES	711MG	814	687.5
25	149	BEVIL	155BE	3960	684.1
26	103	HEARNE	26HRN	551	674.4
27	200	CLEVELAND - TX	405CV	487	666.4
28	19	KICKAPOO	251KP	1355	663.8
29	80	ADAMS BAYOU	330AD	154	626.6
30	14	GEORGIA	670GE	697	613.5
31	194	DAYTON BULK	723DY	1090	610.3
32	184	AMELIA BULK	182AM	1232	609.8
33	105	MCLEWIS	382MC	851	597
34	28	RAYWOOD	74RAY	1109	588.6
35	143	PLANTATION - TX	545PL	1122	585.6
36	314	YANKEE DOODLE	22YAN	2053	580.8
37	255	CALVERT	4CAL	2188	578.1
38	205	CHEEK	159CH	548	563.5
39	212	WEST END	86WED	457	550.8
40	57	NECHES	197NE	139	548.3
41	32	PEE DEE	809PD	1665	548.3
42	116	TANGLEWOOD	136TG	622	536.4
43	296	PORT NECHES	46PTN	1300	528.6
44	1	BAYSHORE	212BA	48	524.4

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
45	355	APOLLO	321AP	1664	523.5
46	100	WINFREE	342WN	1209	521
47	228	ELIZABETH	121EL	1463	514.6
48	218	CRYSTAL	567CR	1321	507.5
49	101	CROCKETT	63CRK	32	498.2
50	358	ROSEDALE - TX	153RS	756	490.9
51	45	DOUCETTE	568DC	584	483.5
52	50	WARREN	592WR	2278	474.6
53	5	RIVTRIN	269RV	3017	474.3
54	331	NECHES	193NE	1436	449.9
55	235	BRIDGE CITY	362BD	1192	446.2
56	44	WALDEN	564WD	2852	438.9
57	114	JOHNSTOWN	345JT	2025	432.6
58	168	CROCKETT	61CRK	94	430.9
59	29	PORT ACRES SUB	68PTA	1272	426.3
60	248	ECHO	73ECH	784	418.9
61	117	HUNTSVILLE	600HU	2245	417.4
62	New Feeder	HIGH ISLAND	226HI	101	417.4
63	90	ECHO	70ECH	1697	413.5
64	37	DAYTON BULK	726DY	1573	413.4
65	6	GOREE	681GR	656	413.2
66	341	EGYPT	550EP	1102	404.4
67	107	HEIGHTS	360HT	287	398.1
68	316	PORT ACRES SUB	69PTA	724	396.1
69	156	CALVERT	6CAL	1590	395.1
70	95	CLEVELAND - TX	426CV	3060	393.7
71	304	ELIZABETH	122EL	734	382.6
72	119	GROVES-EGSI	59GRO	1747	375.7
73	94	PARKWAY	782PW	352	375.5
74	177	CORDREY	324CO	1544	369.8
75	268	LONGMIRE	583LM	1806	365.7
76	68	MCHALE	112MC	818	365.4
77	145	Alden Bridge	771AL	2158	360.3
78	59	CROCKETT	64CRK	1011	360.1
79	137	YANKEE DOODLE	23YAN	542	358.9
80	130	PEE DEE	808PD	932	356
81	371	METRO	723ME	777	353.6
82	289	HEIGHTS	364HT	1829	352.1
83	31	TEMCO	628TE	406	350.1
84	183	HUMPHREY - TX	106HM	1051	346.4
85	291	CONAIR	513CN	1708	341.7
86	191	OAK RIDGE - TX	745OK	527	337
87	54	OAK RIDGE - TX	741OK	829	333.3
88	122	WARREN	506WR	1356	330.9
89	81	NEW CANEY	304NC	1864	326
90	210	GROVES-EGSI	61GRO	949	325.9
91	223	WESTSIDE	112WS	379	325
92	40	APOLLO	320AP	2125	324
93	350	METRO	720ME	546	312.3

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
94	49	BAYSHORE	213BA	1783	311.3
95	310	LINDBERGH	41LNB	1722	309.9
96	336	HUMPHREY - TX	107HM	867	306.6
97	179	NEW CANEY	337NC	587	304.5
98	141	PARKWAY	350PW	978	300.8
99	65	CONROE BULK	572CN	1438	294.3
100	300	ELIZABETH	123EL	2621	292.4
101	225	TRAVIS	13TRV	39	290.6
102	199	KOLBS	34KOL	1064	287.8
103	75	JOHNSTOWN	343JT	1554	286.8
104	356	BRIDGE CITY	361BD	1130	285.2
105	400	GOSLIN	701GL	876	284.7
106	185	PEE DEE	806PD	2616	284.3
107	140	DAISETTA	743DA	363	281.8
108	279	LONGMIRE	580LM	2397	280.6
109	326	LOEB	18LOB	554	280.5
110	67	LACON	537LA	2179	276.4
111	295	KOUNTZE BULK	432KT	886	266.7
112	109	LOVELLS LAKE	142LV	389	266
113	249	WYNTEX	632WT	889	265.1
114	329	VIWAY	681VI	897	264.1
115	325	MCHALE	110MC	1033	264.1
116	104	CLEVELAND - TX	404CV	1880	257.5
117	292	BEVIL	156BE	624	256.1
118	34	WESTSIDE	113WS	273	255.9
119	220	PLANTATION - TX	546PL	866	255.4
120	288	VIDOR	161VD	577	255.1
121	303	CONAIR	511CN	1631	255.1
122	126	NORTH END	21NOE	1867	254.5
123	131	ECHO	72ECH	498	251.7
124	357	OAK RIDGE - TX	743OK	1093	250.2
125	174	SOUR LAKE	105SL	1268	246.1
126	176	VIDOR	163VD	1685	245.4
127	77	MCLEWIS	380MC	2429	244.7
128	9	GRIMES	981GR	325	244.4
129	277	OILLA	345OI	1466	241.5
130	240	CHINA	93CHI	1300	241.2
131	227	LONGMIRE	584LM	1416	236.9
132	216	LACON	538LA	1483	235.4
133	319	WEST ORANGE	392WO	691	235.2
134	164	BRIDGE CITY	360BD	1149	233.1
135	12	CROCKETT	195CR	971	232.1
136	257	NEW CANEY	335NC	2581	231.5
137	55	MERLIN	375MR	864	230.9
138	180	HUNTSVILLE	607HU	3530	230.1
139	198	STOWELL	233ST	691	229.3
140	280	CHEEK	160CH	712	229.1
141	315	DAYTON BULK	724DY	2257	229
142	48	HIMEX	223HI	5115	227.7

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
143	344	NEW CANEY	333NC	3908	227.6
144	204	BENTWATER	521BW	2102	227.4
145	162	WYNTEX	634WT	1317	226.8
146	365	TYRRELL	37TYR	496	225.1
147	84	MERLIN	374MR	560	223.8
148	370	FOREST	755FO	1375	222.6
149	144	FOREST	753FO	1400	221.3
150	133	APRIL	590AP	1597	221.2
151	27	HANKS	22HKS	1113	220.8
152	88	GOREE	682GR	1670	220.5
153	71	CLEVELAND - TX	406CV	1826	218.3
154	93	DOUCETTE	570DC	1146	218
155	290	KOLBS	37KOL	719	217.2
156	196	ORANGE	350ON	939	215.9
157	224	MCDONALD	477MD	1584	212.2
158	238	VIRGINIA	132VI	591	211.5
159	102	PANSY	184PS	420	209
160	354	BROOKS CREEK	270BC	52	207.5
161	231	KOLBS	35KOL	1065	204.1
162	222	WOODVILLE - TX	593WD	716	202.8
163	321	SPLENDORA	309SP	1449	202.5
164	23	CORRIGAN BULK	239CR	496	202.5
165	322	VIRGINIA	129VI	568	199.8
166	7	GRIMES	883GR	879	199.6
167	161	MAYHAW	673MA	1860	199.5
168	121	GOSLIN	709GL	3600	198.3
169	35	SOMERVILLE	127SO	492	198
170	60	CALDWELL INDUSTRIAL	138CI	741	197.8
171	380	TYRRELL	38TYR	50	197.5
172	92	PANSY	185PS	1333	196.6
173	201	HUNTSVILLE	610HU	1793	193.9
174	347	MCHALE	111MC	656	192.9
175	323	Alden Bridge	763AL	737	191.6
176	98	HARDIN	35HDN	831	191.6
177	369	Alden Bridge	762AL	5161	191.3
178	83	OAK RIDGE - TX	740OK	1294	190.9
179	274	CORDREY	325CO	1560	188.5
180	226	TRANSCO	48TCO	220	186.8
181	74	HEARNE	28HRN	30	185
182	241	APRIL	592AP	1133	184.2
183	139	BRIARCLIFF	30BRC	2408	181.7
184	72	CHINA	92CHI	667	181.2
185	79	EASTGATE	781EG	1121	180.6
186	229	NORTH SILSBEE	472NS	328	178.6
187	113	ROSEDALE - TX	151RS	1279	178
188	115	CROWDER	105CD	928	177.2
189	208	CONROE BULK	507CN	2214	175.2
190	85	DAYTON BULK	725DY	1578	173.6
191	26	FEDERAL	801FE	262	172.4

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
192	163	SOUR LAKE	104SL	389	172.2
193	173	SPURLOCK	98SPU	725	171.2
194	166	GOSLIN	704GL	1680	167.9
195	281	BRIARCLIFF	32BRC	1289	166.3
196	73	VIWAY	682VI	1702	166.1
197	219	SHEAWILL	536SH	1413	164.5
198	186	WEST ORANGE	393WO	649	162.9
199	283	METRO	719ME	1823	161.9
200	96	ELIZABETH	120EL	1357	161.5
201	301	BRIARCLIFF	31BRC	864	160.7
202	64	FRONT STREET	307FR	491	160.2
203	242	FORT WORTH	12FTW	1428	160.1
204	152	NEW CANEY	336NC	4915	160
205	334	CONROE BULK	573CN	15	159.3
206	373	CONROE BULK	574CN	2370	159.1
207	112	CONAIR	512CN	1234	158.9
208	270	VIRGINIA	130VI	1186	158.1
209	16	RIVTRIN	268RV	2648	158.1
210	306	CONROE BULK	505CN	1278	156.3
211	142	WINFREE	340WN	476	155.7
212	256	ROSEDALE - TX	152RS	748	155.6
213	69	WALDEN	563WD	1975	154.8
214	42	HANKAMER	207HA	772	154.5
215	151	HANKAMER	206HA	694	152
216	307	EGYPT	551EP	2605	151.9
217	51	LONGMIRE	582LM	1441	151.8
218	213	MEMORIAL	281ML	832	151.4
219	129	HANKS	23HKS	1394	149.3
220	155	MCDONALD	479MD	773	146.6
221	63	TANGLEWOOD	137TG	1506	146.5
222	135	VIDOR	162VD	1852	144.3
223	132	MANCHESTER	67MAN	973	143.6
224	211	MANCHESTER	66MAN	2080	142.9
225	182	RAYWOOD	73RAY	463	141.8
226	385	ADAMS BAYOU	331AD	196	140.8
227	327	VIDOR	164VD	781	139.5
228	154	LACON	540LA	1299	137.4
229	363	NORTH SILSBEE	471NS	1120	136.9
230	261	LACON	539LA	2157	136.8
231	333	ROSEDALE - TX	150RS	125	135.5
232	221	LINDBERGH	40LNB	1592	134.2
233	275	WEST END	85WED	514	131.6
234	38	LOVELLS LAKE	141LV	730	131
235	30	NAVASOTA	905NA	2356	130.2
236	124	BENTWATER	520BW	2166	129.4
237	214	BEVIL	154BE	2510	127.8
238	337	JOHNSTOWN	342JT	736	127.4
239	243	PANORAMA	525PA	1439	126.1
240	361	LINDBERGH	42LNB	311	125.1

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
241	293	HANKS	24HKS	815	124.1
242	158	MEMORIAL	280ML	944	122.4
243	47	RAYWOOD	75RAY	184	122
244	165	MAPLE	90MPL	334	121.2
245	136	EGYPT	552EP	2098	119.7
246	New Feeder	FOREST	756FO	312	115.5
247	170	GOSLIN	708GL	2226	114.1
248	138	MCLEWIS	381MC	1225	112.5
249	197	WEST END	88WED	888	112
250	247	SARATOGA	761SA	434	112
251	36	TEMCO	627TE	934	111.8
252	233	LINDBERGH	43LNB	781	111.3
253	172	DOBBIN	920DO	1970	109
254	148	ECHO	71ECH	735	108.9
255	175	CROWDER	104CD	1674	108.2
256	13	GRIMES	982GR	762	107.1
257	62	WINSHIRE	241WS	1080	107.1
258	287	LOEB	17LOB	989	104.5
259	236	FLETCHER	457FL	1514	103.9
260	203	WINFREE	341WN	747	103.6
261	273	TANGLEWOOD	134TG	2237	103.2
262	258	LUMBERTON	441LU	4587	102.9
263	206	CLEVELAND - TX	403CV	1501	102.8
264	178	STONEGATE	92STG	2023	101.5
265	230	GOSLIN	702GL	1635	101.4
266	346	AMELIA BULK	180AM	1422	100.6
267	4	DOUCETTE	569DC	199	100.4
268	2	Alden Bridge	768AL	1531	100.1
269	188	GOSLIN	707GL	721	99.9
270	251	AMELIA BULK	181AM	2458	98.3
271	150	NAVASOTA	969NA	1132	97.8
272	328	CROCKETT	65CRK	551	97.2
273	22	OAK RIDGE - TX	744OK	3057	96.9
274	108	CENTRAL	132CE	1821	95
275	110	BATSON	53BAT	918	93.3
276	259	WOODVILLE - TX	594WD	1195	92.5
277	269	HUNTSVILLE	608HU	3428	92.3
278	391	NORTH END	28NOE	172	91.4
279	237	HIMEX	221HI	106	88.7
280	368	Alden Bridge	767AL	2776	87.8
281	171	STONEGATE	91STG	1387	87.2
282	267	CORDREY	327CO	949	85.2
283	276	SILSBEE	463SI	777	85
284	91	VIRGINIA	131VI	1364	84.7
285	21	DOBBIN	519DO	2110	84.5
286	384	DAISETTA	741DA	253	79.3
287	160	BRIDGE CITY	363BD	2201	79.1
288	17	HANKS	25HKS	920	78.9
289	181	GOSLIN	703GL	1647	77.8

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
290	18	METRO	722ME	1235	77.6
291	313	WALDEN	560WD	733	76.5
292	187	NEW CANEY	334NC	6732	76.4
293	297	ORANGE	352ON	905	75.6
294	245	SILSBEE	461SI	538	73.8
295	252	FOREST	752FO	357	73
296	360	CENTRAL	133CE	1611	72.4
297	215	TAMINA	599TA	460	70.8
298	262	FOREST	757FO	290	69.2
299	193	FLETCHER	456FL	831	69
300	134	KOLBS	36KOL	1358	66.8
301	190	CROWDER	102CD	1767	64.5
302	146	DAISETTA	744DA	692	63
303	345	HIMEX	222HI	220	62.2
304	353	GOSLIN	705GL	1631	60
305	403	JIROU	75JRU	60	59.5
306	253	FORT WORTH	7FTW	1167	59.3
307	285	HUNTSVILLE	611HU	1511	59.1
308	86	TANGLEWOOD	135TG	675	57.7
309	41	WINSHIRE	240WS	959	57.7
310	388	LILLARD	490LI	281	57.1
311	New Feeder	WALDEN	562WD	565	57.1
312	362	STONEGATE	93STG	2070	57.1
313	97	STOWELL	232ST	1165	56.7
314	308	JIROU	78JRU	300	55.5
315	66	HAMPTON	158HA	1126	54.2
316	118	CROWDER	103CD	1450	53.3
317	89	NAVASOTA	904NA	1514	52.9
318	87	APRIL	591AP	1667	52.6
319	128	CORDREY	326CO	1217	52.5
320	127	DAYTON BULK	727DY	791	52.3
321	393	METRO	717ME	222	52
322	56	BAYOU FANNETT	250BY	324	51.2
323	320	MANCHESTER	65MAN	58	50.2
324	386	MCDONALD	478MD	628	49.3
325	260	SILSBEE	462SI	799	49.1
326	364	SOUTH LIBERTY	714SL	115	49.1
327	359	SPLENDORA	307SP	1715	48.7
328	195	BAYSHORE	211BA	1061	48
329	309	CENTRAL	131CE	979	47.9
330	342	WYNTEX	633WT	875	46
331	70	WEST END	82WED	488	45.4
332	402	METRO	718ME	2058	44.3
333	286	KOUNTZE	453KT	663	42.1
334	239	GOSLIN	706GL	1469	42.1
335	305	MCDONALD	476MD	1114	41.7
336	202	CROCKETT	198CR	220	41.4
337	381	LINCOLN	16LCN	290	39.8
338	302	CONROE BULK	506CN	2161	38.3

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
339	272	METRO	721ME	692	38.1
340	11	CHEEK	165CH	120	36.4
341	340	STONEGATE	90STG	1041	36.3
342	324	ORANGE	351ON	486	33.7
343	376	PARKDALE	171PR	694	33.7
344	372	PARKDALE	176PR	706	32.7
345	284	Alden Bridge	769AL	1148	32.2
346	318	LONGMIRE	581LM	2579	31.8
347	266	CONROE BULK	504CN	238	30.5
348	33	GROVES-EGSI	62GRO	1562	28.4
349	209	CENTRAL	130CE	737	28
350	352	Alden Bridge	770AL	1882	27.8
351	394	PORT ACRES BULK	70PAS	764	27.7
352	254	KOUNTZE	452KT	398	26
353	169	CROCKETT	60CRK	205	25.8
354	111	LAKEVIEW	81LAV	1270	24.3
355	332	FOREST	759FO	426	23.6
356	264	FRONT STREET	310FR	543	23.1
357	317	FRONT STREET	308FR	360	22.1
358	265	BRIARCLIFF	33BRC	301	21.2
359	20	LINCOLN	15LCN	293	20.3
360	24	GROVES-EGSI	63GRO	1313	19.5
361	348	FOREST	758FO	308	19.5
362	278	SOMERVILLE	126SO	846	18
363	335	MCHALE	113MC	608	17.7
364	343	CONROE BULK	576CN	1698	17.2
365	271	GOSLIN	710GL	952	16.8
366	157	SPURLOCK	99SPU	782	16.5
367	339	CONAIR	516CN	308	16.3
368	53	ADAMS BAYOU	332AD	532	15.5
369	15	NEW CANEY	338NC	1494	14.5
370	387	MAYHAW	671MA	77	14.4
371	263	TAMINA	316TA	301	13.8
372	311	Alden Bridge	766AL	1665	12.9
373	78	LAKEVIEW	80LAV	686	12.9
374	46	METRO	724ME	1047	12.1
375	192	JIROU	76JRU	170	11.4
376	375	NORTH END	26NOE	301	10.6
377	398	TESCO	36TSC	80	10
378	395	HAMPTON	157HA	11	9.7
379	294	CONAIR	514CN	1217	8.8
380	392	YANKEE DOODLE	25YAN	176	8.7
381	123	FOREST	754FO	1488	7.8
382	189	HUMPHREY - TX	108HM	46	7.3
383	382	MAPLE	91MPL	204	6.9
384	244	SHEAWILL	535SH	692	5.9
385	405	INDEPENDENCE - TX	945ID	10	5.6
386	401	METRO	715ME	38	5.3
387	390	NORTH END	27NOE	56	4.7

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
388	246	OAK RIDGE - TX	742OK	238	4.6
389	367	FOREST	751FO	3131	4.2
390	379	Alden Bridge	765AL	708	3.8
391	378	METRO	716ME	33	3.7
392	397	YANKEE DOODLE	24YAN	236	3.6
393	330	CONROE BULK	575CN	894	3.4
394	298	TRAVIS	11TRV	26	3.2
395	New Feeder	HIGH ISLAND	227HI	224	3.2
396	232	PORT NECHES	45PTN	922	2.7
397	374	SPLENDORA	308SP	4128	2.6
398	383	NORTH END	29NOE	342	1.2
399	377	CONAIR	515CN	831	1.1
400	389	PARKWAY	351PW	586	0.8
401	207	Alden Bridge	764AL	1254	0.5
402	366	KOUNTZE BULK	435KT	50	0.4
403	349	WEST END	87WED	34	0.4
404	351	JIROU	77JRU	316	0
405	396	PARKDALE	172PR	24	0
406	399	TRAVIS	6TRV	26	0
407	217	TRAVIS	8TRV	23	0
408	159	WEST END	80WED	269	0
409	New Feeder	COMMERCE	528CM	18	0
410	New Feeder	COMMERCE	529CM	22	0
411	New Feeder	COMMERCE	530CM	33	0
412	404	SPEEDWAY	917SW	50	0
413	New Feeder	HIGH ISLAND	228HI	5512	0

Service Quality Report to the Public Utility Commission of Texas

Entergy Texas, Inc.

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2021 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	12.73%
Vegetation	16.12%
Animals and Birds	3.33%
People (Including cars and farm equip)	11.89%
Utility-owned Equipment	32.71%
Other	17.78%
Unknown	5.44%

ADDENDUM OF ENTERGY TEXAS, INC. TO ITS SERVICE QUALITY REPORT FOR THE 2021 REPORTING YEAR

In compliance with the Commission's January 25, 2022, Order in Docket No. 51966, *Agreed Notice of Violation and Settlement Agreement Relating to Entergy Texas, Inc.'s Violation of PURA § 38.005 and 16 TAC § 25.52, Concerning Reliability and Continuity of Service* for reporting year 2019, Entergy Texas, Inc. (ETI) files the following addendum:

I. Actions to Bring Feeders in Violation of System-Wide Standards into Compliance

The Docket No. 51966 Order at Ordering Paragraph 5 provides:

Entergy must file a report regarding actions to bring feeders that are found to be in violation of any of its system-wide service quality standards for two or more consecutive years into compliance with the Commission's service quality standards, and this report must be filed as an addendum to Entergy's required annual service quality reports, as prescribed by 16 TAC § 25.81.

ETI Response:

ETI did not have any feeders found to be in violation of the system-wide service quality standards for two or more consecutive years as determined for reporting year 2019 Agreed Notice of Violation (NOV) and Settlement Agreement. Neither a pre-NOV nor a NOV has been determined for ETI for reporting year 2020.

II. Actions to Reduce Failures of Utility-Owned Equipment

The Docket No. 51966 Order at Ordering Paragraph 6 provides:

Entergy must file a report regarding actions to reduce failures of utility-owned equipment that could result in distribution forced outages, and this report must be filed as an addendum to Entergy's required subsequent service quality report for reporting year 2021, as prescribed by 16 TAC § 25.81.

ETI Response:

Each of the below listed programs and associated projects supports ETI's long-term distribution reliability strategy through the proactive replacement or reconfiguration of aging infrastructure and upgrading the distribution system with more resilient and modern facilities. These types of investments are expected to prevent outages as well as reduce the duration of outages that do occur. ETI categorizes discretionary projects in three groups called "PSKs." Each PSK is made of sub-work types classified by their scope of work. An explanation of each PSK and major sub-work types are found below, including how each help reduce utility-owned equipment failures.

- PSK 403 – Reliability projects
 - Find, Observe, Correct, Understand, Succeed (FOCUS) – This program identifies underperforming devices based on an algorithm developed by the Asset Management team built on Customer Interruptions (CIs) and frequency of outages. The Reliability team selects the underperforming devices from the list generated each year, inspects the devices, and implements solutions to reduce future outages. These solutions often include replacing end-of-life utility-owned equipment resulting in a reduction of equipment failures. The FOCUS program has produced significant reliability improvements on the worst-performing devices and line segments that are identified and addressed through the program.

- Reliab – These are small Network- or Engineer-identified projects to help improve reliability. The scope varies, but generally, all scopes include replacing end-of-life utility-owned equipment resulting in a reduction of equipment failures. Example scopes include replacing cross-arms, insulators, changing fuse sizes, etc.
- Internl – These are large Network- or Engineer-identified projects to help improve reliability. The scope varies, but generally, all scopes include replacing end-of-life utility-owned equipment resulting in a reduction of equipment failures. Examples include relocating offroad circuits to abut the road right-of-way, upgrading older primary framing to new framing specifications, etc.
- Section – These projects include installing new reclosers and switches and replacing end-of-life reclosers and switches, resulting in a reduction of equipment failures.
- PSK 404 – Infrastructure projects
 - Equipment maintenance – This program includes annual inspections of company-owned equipment (voltage regulators, reclosers, capacitor banks, etc.) to ensure the devices are operating appropriately. The program also includes inspection of switch cabinets and transformers. Following inspections, any corrections that need to be made are implemented in order to repair on a proactive basis before failure, resulting in a reduction of equipment failures.
 - Re-cable – This program identifies end-of-life underground conductor for replacement on a proactive basis before failure, resulting in a reduction of equipment failures.
 - Pole – The pole program is an annual inspection of all poles on identified circuits and includes actions resulting in replacement or repair to extend the life of the facilities and increase overall circuit reliability.
 - Backbone – This program is similar to the FOCUS program and includes an inspection of the electrical facilities from the circuit breaker to the first protective device on the feeder and results in facility upgrades leading to the replacement of end-of-life facilities resulting in a reduction of equipment failures.
 - Feeder Level Investment Program (FLIP) - This program utilizes an optimized approach by leveraging analytics from Power BI to deliver a feeder level investment plan with highest reliability impact while minimizing the total cost to the customer.
- PSK 405 – Planning
 - Improve – These projects address future capacity constraints that could lead to service quality problems including equipment overload and voltage out of parameters. Example projects include new substation transformers and reconductor projects due to load growth, resulting in a reduction of equipment failures through the replacement and installation of new facilities.

ETI has spent approximately \$108.9M the past two years (2020 and 2021) on these types of projects and has budgeted approximately \$54.8M in 2022 (breakdown below).

Row Labels	2020 Actuals	2021 Actuals	2022 Budget
PSK403	13,420,790	11,096,197	10,431,238
PSK404	21,297,129	34,891,466	22,191,911
PSK405	10,333,760	17,823,731	22,198,996
Grand Total	45,051,679	63,811,395	54,822,145

Across all of the PSKs, ETI completed 715 projects in 2020 and 2,023 projects in 2021. In 2022, ETI plans to complete a total of 2,738 projects, including 9 FLIP projects:

PSK	Sub-Work Type	2020	2021	2022
403	FOCUS	72	205	113
	INTERNL	141	321	177
	RELIAB	78	197	68
	SECTION	55	55	11
403 Total		346	778	1124
404	BACKBONE	22	22	20
	EQMAINT	165	282	259
	POLE	123	453	29
	POLENETWORK		98	39
	POLENPRI		7	144
	POLEPRI		101	24
	RECABLE	17	92	45
404 Total		327	1055	1382
405	IMPROVE	42	190	234
405 Total		42	190	232
Grand Total		715	2023	2738

As a result of these projects, ETI has realized a 7.83% reduction in utility-owned equipment interruptions comparing 2019 to 2021 (as reported in ETI's 2019, and 2021 Service Quality Report filings).

2019 Reporting		2021 Reporting	
Causes of Forced Interruptions	Percentage	Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	13.10%	Weather (Including Lightning)	12.73%
Vegetation	14.97%	Vegetation	16.12%
Animals and Birds	2.86%	Animals and Birds	3.33%
People (Including cars and farm equip)	10.66%	People (Including cars and farm equip)	11.89%
Utility-owned Equipment	40.54%	Utility-owned Equipment	32.71%
Other	6.68%	Other	17.78%
Unknown	11.19%	Unknown	5.44%
	100%		100.00%

III. Additional Corrective Measures

The Docket No. 51966 Order at Ordering Paragraph 7 provides:

In addition to the requirements of 16 TAC § 25.81 for Entergy's service quality report to be filed by February 14, 2022, Entergy must address deficiencies in the revised agreement's plans to improve distribution vegetation management and system-wide performance for reporting year

2019. Entergy must state its progress on and a definitive implementation timeline for the corrective measures of installing and upgrading reclosers for sectionalization, guidelines for infrared inspection of feeders, and the use of tree growth regulator to increase treatment cycle times.

ETI Response:

a. Installing and Upgrading Reclosers for Sectionalization

Entergy Corporation’s (Entergy) Distribution Automation (DA) team has installed 42 new reclosers across ETI’s service territory since 2020 and plans to install 34 more by the end of 2022. The DA team has also upgraded 176 existing reclosers since 2020, as further detailed below, with plans to upgrade another 435 by the end of 2022.

Distribution Automation Projects

	Completed Projects			Planned
	2020	2021	2022	2022
New Reclosers installed	12	28	2	34
Upgrade legacy recloser control & add comms	15	0	0	0
Add comms to existing reclosers	64	87	8	374
Add SCADA or upgrade existing transfer schemes to new standard	0	2	0	61

The installation and upgrading of reclosers completed has resulted in 7,237 Customer Interruptions Avoided (CIAV) in 2020 and 9,800 CIAV in 2021.

b. Guidelines for Infrared Inspection of Feeders

Inspection Categories:

Entergy categorizes inspections based on the desired outcome of the inspection type. An explanation of each inspection sub-work type is shown below:

- FOCUS Inspections – These inspections are tied to the FOCUS program as described earlier in this addendum. The aim of these inspections is to capture all work required to get a particular set of poor performing devices up to current Entergy standards to reduce the frequency and severity of outages in their zones of protection.
- Reliab Inspections – These are small Network- or Engineer-identified inspections to help improve reliability. The aim of the inspections varies, but generally, Reliab inspections are generated to capture work required to get a particular location up to current Entergy standards or to mitigate current or potential future outages. This could include replacing end-of-life utility-owned equipment resulting in a reduction of equipment failures. Example scopes include replacing cross-arms, insulators, trimming or eliminating vegetation hazards, changing fuse sizes, etc.
- Equipment Inspections – Entergy performs annual equipment inspections on primary circuit equipment such as reclosers, capacitor banks, and regulators. These inspections aim to identify all work required to keep this equipment in good operating condition and up to current Entergy standards. Outcomes from these inspections typically include

repair/replace orders as well as smaller secondary equipment changeouts such as battery replacements.

Equipment Captured:

Within each inspection sub-work type, the equipment captured utilizing infrared technology can vary. The primary equipment captured for each sub-work type is shown below:

- FOCUS Inspections: Equipment that is inspected with infrared includes but is not limited to: transformers and transformer sub-components, lightning arrestors, line fuses, reclosers, capacitor banks, regulators, switches, jumper cables, and conductor splices
- Reliab Inspections: Equipment that is inspected with infrared includes but is not limited to: transformers and transformer sub-components, lightning arrestors, line fuses, reclosers, capacitor banks, regulators, switches, jumper cables, and conductor splices
- Equipment Inspections: Equipment inspected with infrared includes but is not limited to reclosers, capacitor banks, and regulators.

For both FOCUS inspections as well as Reliab inspections it is important to note that due to the wide range of varying scopes, different equipment components will be captured based on the inspection being performed. As an example, one FOCUS inspection may call for inspection of an overhead single-phase line protected by a line fuse, in which case equipment like reclosers, capacitors, and switches would not be inspected because they would not be included in the scope of work. For another FOCUS inspection that calls for inspection of a recloser or circuit breaker, it is possible that all equipment listed above may be captured within the inspection. The equipment captured depends on the device and location being inspected.

Inspection Frequency:

- Focus Inspections: Devices are selected quarterly based on outage frequency and total customers impacted.
- Reliab Inspections: Devices or locations are selected at the discretion of the network personnel or engineer for improvement.
- Equipment Inspections: Devices are inspected annually.

Current Status of Infrared Inspections:

Prior to 2021 Entergy did not have a defined infrared inspection program and any use of infrared cameras was “ad-hoc”. In 2021, Entergy rolled out refresher training on performing infrared inspections for reliability servicemen in the Texas distribution segment. Training included infrared theory as well as camera operation and equipment inspection best practices. In-field application trial-runs were also utilized to determine what could reasonably be achieved when performing infrared inspections in the field with Entergy’s current technology. The initial infrared training was provided by Teledyne FLIR, and Entergy maintains the training documents for employee reference.

As of 2022, Entergy reliability servicemen are required to have reasonable access to an infrared camera within their networks, and the three inspection sub-work types listed above (FOCUS, Reliab, and Equipment Inspections) now require infrared inspection alongside visual inspection when performed. Any anomalies found during the infrared inspection require that images to be

captured and sent to ETI’s local reliability engineer for component disposition. The goal of this expanded use of infrared inspections is to reduce outages and equipment failures by utilizing predictive maintenance technology to catch potential failures before they occur.

ETI’s reliability servicemen are expected to follow the International Electrical Testing Association (NETA) nonconformance guidelines for electrical equipment when performing infrared inspections and submitting equipment for disposition as shown below.

Temperature difference (ΔT) between similar components under similar loading.	Temperature difference (ΔT) between component and ambient air temperatures.	Recommended Action
1°C - 3°C (1.8°F - 5.4°F)	1°C - 10°C (1.8°F - 18°F)	Possible deficiency; warrants investigation
4°C - 15°C (7.2°F - 27°F)	11°C - 20°C (19.8°F - 36°F)	Indicates probable deficiency; repair as time permits
-----	21°C - 40°C (37.8°F - 72°F)	Monitor until corrective measures can be accomplished
> 15°C (27°F)	> 40°C (72°F)	Major discrepancy; repair immediately

Path Forward for Infrared Inspections:

In 2022, ETI anticipates rolling out feeder level infrared inspections based on feeder performance, feeder criticality, and equipment failures as a percentage of total failures per feeder. Entergy has also reached out to external third-party inspection services to evaluate contracting out feeder level infrared inspections. Additionally, Entergy is working to determine which feeders would be prioritized for infrared inspection and expects to have the feeder prioritization complete by the end of the second quarter of 2022.

c. Use of Tree Growth Regulator

Entergy’s Vegetation Management team is currently engaged in a multi-year pilot to evaluate the effectiveness of the use of Tree Growth Regulator (TGR) based on a cost/benefit analysis. In 2019, TGR was applied to approximately one mile of trees within the City of Conroe’s business district along Highway 105 West, at a cost of \$3,700. This work included the treatment of numerous live oaks in the green zones of the City of Conroe. In 2020, trees along approximately two miles of circuit 583 Longmire were treated with TGR, at a cost of \$4,500. These areas are currently being monitored to assess the product efficacy and potential to extend trim cycles for the areas. Pending the results of the pilot, ETI has not applied TGR to other areas or adopted the product for system-wide use.

The following files are not convertible:

52946 ETI Service Quality

Report_2021.xlsx

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