



Control Number: 49068



Item Number: 4

Addendum StartPage: 0

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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

CenterPoint Energy

Project 49068

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2018	1.16	0.09	0.06	0.07	0.08	0.11	0.13	0.10	0.11	0.10	0.12	0.06	0.14
Scheduled													
2018	0.34	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
Outside Causes													
2018	0.14	0.02	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.02	0.01	0.01	0.02
Major Events													
2018	0.03	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2018	116.46	9.03	5.52	7.39	8.24	14.21	13.25	10.58	9.90	9.67	11.68	6.64	12.27
Scheduled													
2018	50.05	3.17	2.66	7.02	3.90	4.15	5.99	3.74	4.66	3.10	4.03	3.14	3.49
Outside Causes													
2018	7.23	0.93	0.15	0.04	0.06	3.71	0.06	0.26	0.52	0.31	0.34	0.31	0.74
Major Events													
2018	4.85	1.39	0.01	0.01	0.08	3.00	0.01	0.02	0.00	0.00	0.20	0.00	0.07

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

1580

Add or Delete Rows as Necessary

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1	283	WF	45	1,314	6.7816
2	27	KL	45	4,739	6.7474
3	723	OA	03	45	6.3333
4	28	GE	41	4,147	5.9501
5	NEW	AR	46	5,035	5.8203
6	1086	NP	44	2,384	5.5214
7	641	GE	46	3,402	5.3959
8	938	SA	45	4,681	5.2818
9	1431	WT	05	716	5.1872
10	287	WA	42	1,025	5.1161
11	233	VL	03	1,314	5.0616
12	237	AD	02	2,143	5.0439
13	379	LW	47	1,359	5.0132
14	253	KW	41	4,370	4.9668
15	1403	EL	07	1,704	4.8187
16	759	MP	02	1,529	4.7430
17	49	BA	47	3,265	4.7387
18	246	KW	43	4,441	4.6974
19	636	SA	49	1,503	4.6334
20	149	KG	41	3,568	4.5603
21	878	FR	49	4,197	4.5332
22	1184	LU	03	993	4.4985
23	155	HA	05	1,721	4.4497
24	361	ME	05	1,368	4.4371
25	1031	AR	43	3,313	4.3737
26	24	KG	42	942	4.3631
27	1270	BAR	47	4,306	4.2390
28	1289	IM	42	2,107	4.1647
29	67	NP	41	2,777	4.1548
30	276	SE	42	1,054	4.0759
31	1155	KT	46	1,175	4.0579
32	157	MY	10	804	4.0386
33	505	WEB	09	703	4.0114
34	1546	RE	01	12	4.0000
35	210	KDL	46	3,229	3.9613
36	63	BT	03	2,159	3.9541
37	1062	HK	46	3,710	3.9154
38	70	TB	42	3,766	3.9129
39	1229	FZ	52	3,885	3.8484
40	1205	ADK	48	3,667	3.8476
41	121	BY	10	1,224	3.8309
42	838	HL	03	1,355	3.7188
43	899	BR	07	1,127	3.7125

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
44	18	KL	48	4,097	3.6693
45	1088	KG	44	5,173	3.6673
46	612	SR	13	1,095	3.6557
47	240	SO	47	2,298	3.6545
48	774	CYF	50	6,143	3.6323
49	420	KW	44	3,532	3.5739
50	823	WF	48	4,821	3.5717
51	467	HNY	03	823	3.5638
52	125	BA	44	3,679	3.5637
53	145	AR	41	1,871	3.5393
54	332	KL	50	1,969	3.5069
55	1017	BR	05	596	3.4765
56	992	SO	50	5,693	3.4702
57	1123	LB	03	403	3.4392
58	917	WO	12	1,523	3.4314
59	1202	KDL	42	3,702	3.4308
60	1212	DE	02	994	3.3783
61	202	AN	06	1,102	3.3766
62	180	AE	06	937	3.3757
63	78	CRB	46	2,951	3.3623
64	172	AM	02	2,150	3.3512
65	1237	NB	44	466	3.3348
66	546	SPW	50	7,245	3.3339
67	1218	SIE	44	5,216	3.3127
68	421	FR	46	3,864	3.2974
69	649	HA	03	1,564	3.2922
70	356	SO	45	5,910	3.2782
71	713	BR	10	1,242	3.2697
72	115	PI	43	4,812	3.2581
73	325	WF	03	1,173	3.2379
74	398	TRN	04	805	3.1963
75	101	IM	44	2,945	3.1922
76	102	TB	46	4,109	3.1903
77	653	WL	02	337	3.1899
78	1139	BW	10	16	3.1875
79	897	KDL	43	4,878	3.1775
80	1210	CE	01	1,730	3.1671
81	272	DV	11	1,105	3.1520
82	8	LJ	01	1,090	3.1248
83	432	NB	41	6,486	3.1206
84	491	RO	03	1,053	3.1026
85	1328	HY	02	1,707	3.0967
86	1272	PJ	03	1,443	3.0735
87	178	PW	08	1,529	3.0589
88	NEW	WA	44	675	3.0459
89	816	KL	49	2,655	3.0335
90	1457	HM	07	1,138	3.0220
91	586	SE	43	794	3.0151

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
92	1127	GW	07	1,385	3.0036
93	311	WEB	05	541	2.9686
94	537	SR	10	1,256	2.9538
95	1046	LK	01	952	2.9517
96	82	TWG	41	6,298	2.9478
97	265	LK	04	1,861	2.9318
98	224	SW	09	1,965	2.9176
99	1135	UL	46	3,493	2.9164
100	217	IM	46	1,391	2.9116
101	834	AN	04	1,755	2.8815
102	89	WT	06	782	2.8261
103	1029	CD	07	1,542	2.8022
104	206	GV	04	1,392	2.8003
105	722	WT	08	199	2.7789
106	1020	CYF	41	2,733	2.7523
107	450	CE	10	1,643	2.7036
108	96	KW	45	4,347	2.7035
109	140	PO	02	1,109	2.6916
110	1053	KL	44	5,272	2.6855
111	535	BA	43	3,642	2.6818
112	697	BR	08	945	2.6508
113	156	LU	44	3,217	2.6323
114	1238	BAR	46	4,692	2.6298
115	220	HB	48	2,833	2.6124
116	576	AR	42	4,005	2.5960
117	909	SR	08	1,063	2.5936
118	NEW	GW	03	340	2.5853
119	105	GL	06	1,584	2.5833
120	668	AN	08	852	2.5681
121	429	MB	05	2,074	2.5588
122	35	WC	01	301	2.5581
123	819	HM	03	1,920	2.5484
124	173	AV	02	1,363	2.5473
125	1113	GW	06	854	2.5457
126	17	HK	43	982	2.5397
127	855	GG	01	1,060	2.5368
128	999	LK	09	918	2.5327
129	291	CG	06	1,865	2.5260
130	836	RU	05	2,004	2.5210
131	86	ME	02	858	2.5198
132	294	KL	42	4,255	2.5043
133	1391	MAR	51	3,611	2.5026
134	475	CV	02	591	2.4805
135	929	GA	06	996	2.4749
136	33	LJ	04	1,441	2.4663
137	1426	JOR	44	1,857	2.4593
138	457	RE	03	1,128	2.4557
139	127	AL	10	2,099	2.4493

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
140	795	OR	02	399	2.4486
141	1200	BT	07	2,284	2.4461
142	370	HB	04	113	2.4425
143	52	HM	06	2,853	2.4413
144	36	KM	06	1,947	2.4412
145	1130	GP	07	1,063	2.4290
146	657	UN	03	1,547	2.4247
147	1223	FRY	42	3,946	2.4166
148	976	HOC	04	1,375	2.4065
149	2	WBY	03	1,774	2.3991
150	338	TRN	07	791	2.3970
151	972	NS	05	2,258	2.3955
152	NEW	HP	07	2,281	2.3941
153	254	HB	51	3,976	2.3836
154	645	UN	02	2,088	2.3831
155	9	THW	41	4,268	2.3721
156	207	WA	43	925	2.3654
157	806	ADK	49	1,125	2.3458
158	1085	HM	01	2,048	2.3423
159	369	UN	01	857	2.3314
160	1341	CV	05	1,647	2.3279
161	1275	PJ	04	1,463	2.3267
162	1105	IR	05	1,847	2.3259
163	538	KG	46	4,584	2.3255
164	569	FP	05	84	2.3095
165	763	WT	12	731	2.3092
166	1360	WEB	01	1,951	2.3086
167	209	TB	45	2,372	2.2934
168	954	LK	10	2,385	2.2868
169	1049	QV	02	1,299	2.2679
170	474	PW	05	2,208	2.2645
171	144	WLO	44	3,556	2.2635
172	602	LB	04	394	2.2614
173	705	BW	05	943	2.2460
174	1366	KM	05	1,472	2.2405
175	61	MAR	41	3,309	2.2354
176	1069	FR	41	1,383	2.2328
177	147	CRB	42	3,449	2.2305
178	316	HV	04	1,655	2.2236
179	702	PI	45	3,734	2.2193
180	1285	SP	02	1,879	2.2134
181	113	THW	47	3,284	2.2074
182	1175	AN	09	1,413	2.2059
183	986	LK	05	883	2.2016
184	495	WF	49	4,937	2.1955
185	1228	MY	04	1,786	2.1948
186	51	EB	05	630	2.1937
187	151	EC	07	717	2.1925

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2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
188	1449	FW	04	1,985	2.1864
189	20	DV	03	720	2.1861
190	485	HB	43	2,757	2.1803
191	501	CRB	41	2,530	2.1787
192	790	OR	41	527	2.1765
193	1179	PW	02	2,027	2.1756
194	814	JP	07	1,075	2.1526
195	718	AT	43	430	2.1488
196	19	FT	08	1,130	2.1478
197	1198	HL	04	315	2.1460
198	415	PE	01	2,996	2.1402
199	499	SO	48	3,176	2.1360
200	985	HM	08	1,201	2.1357
201	1093	IM	41	1,567	2.1334
202	665	EC	12	454	2.1233
203	1301	FW	05	537	2.1192
204	182	TWG	44	5,579	2.1178
205	983	QV	08	917	2.1167
206	536	GA	10	800	2.1012
207	581	NP	43	2,661	2.0966
208	632	SIE	43	4,827	2.0945
209	890	FR	42	3,621	2.0920
210	1414	HP	04	2,123	2.0867
211	1208	KT	49	3,542	2.0864
212	846	AN	10	1,498	2.0854
213	514	HB	46	4,442	2.0765
214	72	RT	01	325	2.0677
215	525	RO	42	1,296	2.0671
216	592	RT	02	498	2.0582
217	1145	MDY	02	89	2.0562
218	955	ST	01	1,173	2.0460
219	309	ADK	45	1,324	2.0446
220	58	THW	48	3,349	2.0355
221	844	HE	08	1,804	2.0349
222	60	WD	45	592	2.0321
223	65	BA	02	1,279	2.0305
224	1132	KG	43	3,074	2.0283
225	313	LM	04	1,281	2.0258
226	1240	HA	01	1,620	2.0241
227	99	AT	42	3,761	2.0013
228	568	OR	01	47	2.0000
229	92	HB	03	923	1.9989
230	295	WT	02	2,007	1.9975
231	1220	BAR	41	6,839	1.9879
232	711	UN	10	1,492	1.9873
233	340	QV	07	361	1.9806
234	452	FT	02	1,119	1.9786
235	1189	SH	03	2,271	1.9771

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
236	792	THW	45	4,312	1.9729
237	NEW	SIE	47	809	1.9679
238	382	STW	03	2,283	1.9650
239	1052	JP	04	27	1.9630
240	638	AD	07	1,679	1.9571
241	NEW	AR	45	3,547	1.9529
242	519	NM	01	801	1.9426
243	1483	KN	03	556	1.9245
244	204	CS	02	1,610	1.9242
245	1056	KDL	41	3,543	1.9032
246	840	HV	08	1,855	1.9024
247	1351	SF	47	1,062	1.8983
248	NEW	CV	09	1,009	1.8969
249	634	PW	04	1,347	1.8901
250	908	IND	05	51	1.8824
251	570	FAN	45	237	1.8819
252	238	OA	01	703	1.8805
253	1362	SF	46	2,011	1.8747
254	109	DN	01	860	1.8651
255	575	UN	09	871	1.8645
256	84	KT	45	3,475	1.8544
257	662	BT	06	625	1.8512
258	554	SO	44	2,130	1.8479
259	454	FT	10	1,435	1.8432
260	431	MC	06	855	1.8327
261	417	AD	01	702	1.8248
262	796	CD	11	1,136	1.8072
263	693	CV	10	2,720	1.8004
264	136	DL	45	5,374	1.7910
265	387	CS	01	1,753	1.7906
266	969	DE	06	1,153	1.7849
267	266	TM	04	379	1.7810
268	741	CL	05	1,126	1.7780
269	55	SA	41	459	1.7778
270	119	SE	41	2,107	1.7727
271	1043	WZ	44	940	1.7713
272	1279	NB	46	2,600	1.7485
273	397	PJ	01	413	1.7482
274	44	BA	42	5,089	1.7447
275	352	AL	08	1,291	1.7436
276	183	ME	04	1,621	1.7434
277	633	CC	02	1,666	1.7377
278	244	LP	07	853	1.7351
279	580	MV	03	828	1.7331
280	682	BZ	01	1,087	1.7305
281	NEW	HP	08	607	1.7282
282	252	BM	04	1,732	1.7084
283	161	EU	07	2,189	1.7081

Service Quality Report to the Public Utility Commission of Texas

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2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
284	516	TB	03	822	1.7080
285	624	OA	04	2,178	1.6997
286	800	SP	11	2,024	1.6996
287	95	SA	03	682	1.6979
288	603	CL	09	404	1.6955
289	303	SR	15	2,196	1.6735
290	1466	WO	07	2,534	1.6732
291	831	PE	03	243	1.6667
292	627	WE	05	12	1.6667
293	544	ME	06	1,135	1.6661
294	342	DH	10	2,703	1.6656
295	994	CL	06	653	1.6646
296	405	BAR	48	4,812	1.6642
297	939	JP	06	262	1.6603
298	NEW	VCR	42	4,477	1.6493
299	637	HK	44	1,134	1.6481
300	669	PA	02	1,626	1.6365
301	744	NV	04	1,625	1.6363
302	1435	UL	15	425	1.6329
303	540	WW	02	655	1.6305
304	643	SW	03	1,893	1.6302
305	363	CD	10	1,357	1.6293
306	626	HOC	03	1,492	1.6267
307	789	LB	05	1,713	1.6188
308	695	HK	45	1,068	1.6170
309	1119	KN	06	2,327	1.6145
310	1111	RE	06	1,869	1.6137
311	518	QV	06	930	1.6108
312	786	GG	04	1,088	1.6103
313	1115	WI	02	936	1.6090
314	571	HV	01	1,099	1.6069
315	504	ST	16	1,325	1.6038
316	849	RE	09	199	1.6030
317	346	FR	43	3,241	1.5961
318	1016	TRN	01	383	1.5953
319	322	MU	02	1,355	1.5934
320	739	WL	42	1,144	1.5909
321	703	EC	14	818	1.5880
322	689	HY	11	1,097	1.5880
323	1118	HA	07	1,727	1.5848
324	1092	SA	46	281	1.5801
325	877	LU	45	3,928	1.5769
326	1010	FD	11	1,792	1.5664
327	446	TWG	45	2,143	1.5637
328	684	ME	03	941	1.5632
329	898	CG	03	975	1.5600
330	75	TB	41	5,915	1.5579
331	267	RU	01	1,438	1.5563

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
332	892	RU	02	1,501	1.5523
333	386	AL	06	1,204	1.5515
334	279	EC	04	1,708	1.5480
335	558	CC	03	2,113	1.5424
336	1378	WI	03	332	1.5422
337	203	PI	41	3,485	1.5412
338	434	CE	09	1,281	1.5347
339	928	BM	03	1,633	1.5279
340	358	FL	46	4,448	1.5241
341	1121	TE	05	1,355	1.5188
342	1002	WEB	03	1,795	1.5136
343	743	HNY	05	1,375	1.5120
344	56	BL	10	1,481	1.5010
345	181	GZ	42	1,379	1.4982
346	769	BY	08	1,656	1.4958
347	1060	HB	47	1,470	1.4850
348	1024	GV	07	557	1.4740
349	193	BL	08	2,174	1.4738
350	1177	ED	02	1,507	1.4711
351	NEW	BV	43	1,122	1.4679
352	590	KL	47	3,552	1.4651
353	158	SPW	49	4,920	1.4634
354	848	UL	02	1,129	1.4597
355	977	SA	52	5,164	1.4593
356	258	HM	09	3,073	1.4533
357	296	EU	09	1,315	1.4532
358	579	WW	04	900	1.4500
359	1313	ES	01	877	1.4481
360	956	BT	02	1,838	1.4461
361	300	FR	44	6,335	1.4412
362	335	SP	01	1,280	1.4383
363	750	MC	01	1,621	1.4362
364	1249	BC	09	564	1.4309
365	286	DH	04	2,078	1.4297
366	427	KT	44	2,874	1.4262
367	564	SIE	45	1,927	1.4261
368	1182	TB	48	3,835	1.4190
369	251	BE	01	2,134	1.4166
370	658	EC	08	1,234	1.4125
371	756	GG	06	1,509	1.4109
372	1219	KI	43	3,030	1.4109
373	374	MP	03	2,165	1.4106
374	164	CV	04	1,356	1.4093
375	888	UL	45	3,188	1.4078
376	606	LV	01	896	1.4040
377	729	SF	02	458	1.4039
378	1317	FL	41	4,868	1.4030
379	587	ME	11	818	1.4022

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CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
380	34	QV	01	1,425	1.4014
381	393	AN	03	1,187	1.3960
382	497	WL	41	1,185	1.3958
383	597	TM	05	33	1.3939
384	364	BL	06	1,160	1.3922
385	388	GE	42	3,363	1.3919
386	227	PI	48	3,638	1.3914
387	1186	BI	43	3,379	1.3874
388	733	EB	06	1,285	1.3860
389	375	WD	48	1,535	1.3857
390	577	KW	42	4,440	1.3809
391	1206	WO	08	976	1.3791
392	1126	KW	46	3,198	1.3787
393	1022	DH	09	1,242	1.3744
394	221	SF	48	1,098	1.3725
395	1181	EC	15	1,705	1.3689
396	339	CB	07	1,957	1.3654
397	726	ADK	42	711	1.3629
398	486	LW	44	2,529	1.3626
399	368	BAR	43	5,307	1.3580
400	1258	CG	02	1,918	1.3566
401	993	BG	01	1,138	1.3550
402	139	AN	02	2,475	1.3519
403	472	CB	12	1,606	1.3474
404	1061	LJ	08	1,705	1.3437
405	302	BT	01	1,068	1.3436
406	842	LA	01	1,524	1.3425
407	1477	WI	45	2,940	1.3418
408	914	DV	02	1,783	1.3399
409	487	SH	06	1,077	1.3398
410	879	WO	04	1,660	1.3398
411	408	SPW	43	3,443	1.3395
412	93	SF	42	1,773	1.3390
413	771	TE	01	1,574	1.3374
414	572	SA	54	2,887	1.3367
415	NEW	SIE	46	3,328	1.3341
416	1125	KB	07	683	1.3338
417	817	AM	04	2,424	1.3337
418	1304	RE	05	1,388	1.3329
419	803	TO	06	797	1.3312
420	1297	VVW	09	1,619	1.3305
421	137	SF	15	733	1.3302
422	737	AD	08	2,191	1.3300
423	868	VVW	08	258	1.3295
424	412	LJ	09	3,223	1.3289
425	559	NB	45	1,228	1.3282
426	1133	SB	06	1,717	1.3209
427	1117	ED	04	1,899	1.3202

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
428	903	FT	01	318	1.3176
429	1180	JN	02	1,687	1.3171
430	NEW	PE	07	1,610	1.3149
431	804	KI	41	2,234	1.3147
432	1048	HA	11	1,549	1.3138
433	1196	MAR	48	2,933	1.3130
434	6	GZ	44	3,089	1.3114
435	479	BG	07	1,484	1.3113
436	1165	KB	17	1,197	1.3108
437	921	CRB	44	2,275	1.3077
438	100	BA	41	4,224	1.3066
439	1167	HK	42	3,026	1.3011
440	1207	LB	07	137	1.2993
441	1059	DE	01	1,269	1.2987
442	1247	KL	41	3,023	1.2977
443	1038	MID	01	885	1.2949
444	1108	QV	03	1,011	1.2938
445	1099	AF	05	1,600	1.2913
446	1039	TE	08	838	1.2888
447	269	CD	06	602	1.2841
448	1262	GE	45	4,923	1.2801
449	585	GV	05	400	1.2800
450	470	WI	07	1,307	1.2777
451	858	GL	07	2,349	1.2776
452	1332	DV	08	877	1.2771
453	715	SH	07	874	1.2769
454	1054	HG	02	1,265	1.2751
455	436	BA	46	3,255	1.2719
456	458	LW	41	4,264	1.2685
457	411	BW	12	602	1.2674
458	1112	NM	02	2,557	1.2628
459	211	RZ	01	648	1.2608
460	1273	PO	04	1,134	1.2593
461	1081	UW	02	1,610	1.2578
462	941	DR	04	1,797	1.2565
463	461	PI	42	3,795	1.2559
464	594	EU	05	1,301	1.2529
465	730	WI	05	789	1.2510
466	1461	BM	07	429	1.2448
467	245	HM	02	1,901	1.2430
468	422	KT	48	3,095	1.2414
469	326	HM	04	2,036	1.2407
470	1243	CK	04	1,354	1.2386
471	1234	CG	05	1,699	1.2331
472	23	TWG	42	5,195	1.2316
473	957	CV	03	940	1.2298
474	1295	MP	10	1,056	1.2292
475	440	ADK	44	410	1.2268

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
476	410	HG	04	1,878	1.2252
477	455	STW	04	868	1.2247
478	894	LW	42	1,843	1.2219
479	751	ME	10	647	1.2195
480	331	BI	07	1,136	1.2192
481	523	CB	03	849	1.2191
482	403	KM	01	1,466	1.2176
483	1003	RA	44	5,386	1.2163
484	355	CE	02	1,356	1.2153
485	464	AF	06	2,341	1.2127
486	496	TO	08	665	1.2105
487	971	IM	47	1,332	1.2087
488	153	DH	06	1,132	1.2085
489	901	MAR	43	1,917	1.2040
490	1164	CV	11	893	1.2038
491	230	CE	07	1,710	1.1982
492	738	BH	06	132	1.1970
493	798	WZ	45	3,904	1.1954
494	1159	HA	04	1,457	1.1929
495	1363	FD	10	2,129	1.1926
496	146	NS	01	1,954	1.1919
497	373	CA	01	955	1.1916
498	275	FD	13	2,560	1.1914
499	515	BAR	44	4,442	1.1905
500	1283	SR	06	1,231	1.1893
501	885	AR	47	3,522	1.1882
502	NEW	QV	10	898	1.1871
503	1019	WI	01	2,299	1.1853
504	1310	JN	11	2,081	1.1845
505	1464	PJ	02	1,122	1.1827
506	1261	RE	07	1,395	1.1821
507	1352	IND	04	11	1.1818
508	351	HA	08	1,589	1.1812
509	822	ES	04	392	1.1811
510	480	NM	05	2,952	1.1809
511	1463	WEB	07	122	1.1803
512	607	RZ	02	1,769	1.1798
513	1154	PA	01	2,533	1.1796
514	1103	ST	10	618	1.1796
515	1176	TRN	41	28	1.1786
516	110	TB	43	1,723	1.1770
517	775	PI	44	4,010	1.1741
518	1260	CK	06	759	1.1713
519	826	HY	10	1,799	1.1701
520	337	MC	05	2,070	1.1700
521	1357	CRB	43	6,144	1.1668
522	1354	MB	09	1,323	1.1663
523	502	WF	43	359	1.1643

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
524	301	WEB	02	428	1.1636
525	1290	HT	07	974	1.1622
526	1347	JN	07	1,667	1.1614
527	850	PZ	42	3,071	1.1605
528	103	MAR	50	3,635	1.1601
529	1330	SB	07	1,693	1.1601
530	799	NM	04	1,175	1.1600
531	21	BL	05	1,429	1.1561
532	1412	WI	06	1,047	1.1547
533	1248	OB	43	4,476	1.1539
534	1372	RO	41	3,035	1.1532
535	249	GW	02	2,188	1.1531
536	123	BA	03	1,138	1.1520
537	1230	UN	04	299	1.1505
538	400	THW	46	4,666	1.1489
539	565	CL	03	1,454	1.1486
540	1415	OB	44	3,688	1.1483
541	16	THW	44	3,949	1.1479
542	285	PE	04	1,744	1.1468
543	1157	AD	04	2,021	1.1425
544	1671	TRN	02	678	1.1416
545	488	LU	41	4,410	1.1376
546	1281	STF	43	1,170	1.1376
547	NEW	QV	09	1,078	1.1364
548	1385	BL	07	1,044	1.1351
549	760	BZ	02	1,488	1.1351
550	124	LJ	06	822	1.1350
551	259	STF	41	1,011	1.1345
552	1331	DN	10	1,414	1.1344
553	77	VL	04	2,307	1.1326
554	438	BL	03	1,615	1.1319
555	874	OA	05	1,721	1.1313
556	308	EL	02	46	1.1304
557	292	KDL	45	4,462	1.1302
558	910	SCW	02	563	1.1279
559	856	HY	09	1,300	1.1277
560	1253	LA	03	1,621	1.1271
561	935	CV	08	1,864	1.1266
562	378	WEB	06	943	1.1262
563	445	FT	05	1,294	1.1252
564	791	HY	08	1,436	1.1198
565	566	GL	10	1,141	1.1192
566	666	HB	45	4,367	1.1186
567	1076	PZ	45	2,184	1.1158
568	1284	PO	05	1,187	1.1146
569	1365	ST	15	812	1.1145
570	1316	CA	02	1,636	1.1119
571	1438	FP	02	18	1.1111

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
572	315	DN	05	253	1.1107
573	1479	WD	46	1,252	1.1094
574	1404	MAR	49	2,864	1.1093
575	1044	RE	02	1,150	1.1078
576	907	FR	47	4,116	1.1076
577	348	PE	06	1,642	1.1072
578	1252	SF	07	19	1.1053
579	1429	CL	08	60	1.1000
580	1402	JN	06	2,521	1.0956
581	1294	SF	13	267	1.0936
582	1070	ES	08	647	1.0927
583	239	WD	47	1,285	1.0926
584	1409	KB	21	1,144	1.0918
585	589	BU	03	44	1.0909
586	557	SF	41	1,344	1.0908
587	1355	JN	05	1,620	1.0889
588	1451	MB	04	45	1.0889
589	701	LV	03	696	1.0876
590	527	WEB	12	579	1.0864
591	851	LU	04	1,546	1.0834
592	630	FZ	48	2,322	1.0788
593	187	CA	05	508	1.0787
594	1340	JOR	41	305	1.0787
595	1327	GT	06	649	1.0770
596	773	BM	01	691	1.0767
597	130	SO	49	6,053	1.0735
598	820	FM	02	189	1.0688
599	875	ME	07	1,383	1.0672
600	278	SA	50	808	1.0668
601	1428	BW	09	30	1.0667
602	493	FP	03	47	1.0638
603	177	LY	46	284	1.0634
604	1376	BZ	05	965	1.0632
605	776	MP	06	364	1.0604
606	1269	CK	01	912	1.0603
607	1018	CK	03	1,269	1.0583
608	NEW	FRY	48	2,774	1.0559
609	1197	TRN	42	54	1.0556
610	371	GG	07	1,435	1.0551
611	896	BI	45	2,932	1.0515
612	1417	PJ	06	1,062	1.0508
613	588	WE	01	162	1.0494
614	79	CYF	45	3,086	1.0489
615	1338	IM	43	2,816	1.0401
616	80	BG	09	1,783	1.0393
617	1537	ME	08	30	1.0333
618	1497	SF	12	457	1.0328
619	1267	AF	01	2,557	1.0309

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
620	582	FL	47	4,116	1.0284
621	104	TAN	46	150	1.0267
622	1490	MC	08	357	1.0224
623	1635	OB	41	3,068	1.0163
624	39	OR	03	742	1.0162
625	1422	WZ	42	705	1.0156
626	550	GS	09	88	1.0114
627	793	UL	42	607	1.0066
628	357	LA	02	1,518	1.0053
629	NEW	VCR	44	2,162	1.0014
630	1538	OB	49	770	1.0013
631	402	IND	02	24	1.0000
632	1628	KB	14	18	1.0000
633	134	CD	04	1,402	0.9979
634	460	GG	10	1,900	0.9979
635	604	BH	08	2,697	0.9896
636	1447	PJ	05	697	0.9885
637	91	ES	02	922	0.9859
638	1467	MY	09	208	0.9856
639	1446	PJ	07	245	0.9755
640	1087	WT	01	1,220	0.9721
641	1454	BM	02	67	0.9701
642	106	CB	08	901	0.9667
643	223	KT	42	3,896	0.9666
644	1025	HE	02	1,678	0.9595
645	260	CD	05	1,791	0.9564
646	886	AD	03	761	0.9527
647	728	KB	09	686	0.9519
648	1312	CR	07	56	0.9464
649	862	WO	06	1,210	0.9446
650	661	WR	10	1,785	0.9434
651	863	GW	01	1,952	0.9411
652	1256	HE	03	1,566	0.9361
653	1437	JN	01	1,509	0.9351
654	648	CYF	49	1,679	0.9327
655	618	AD	11	1,700	0.9276
656	327	ES	05	1,682	0.9239
657	922	UN	08	1,327	0.9231
658	197	WA	41	180	0.9222
659	169	AT	41	2,481	0.9178
660	484	GR	01	23	0.9130
661	395	TB	47	1,033	0.9109
662	1321	HOC	06	758	0.9077
663	1453	KB	10	859	0.8987
664	656	DR	07	1,475	0.8942
665	960	AL	07	1,250	0.8912
666	1227	FT	07	1,631	0.8823
667	734	GT	12	1,620	0.8784

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
668	226	LW	45	2,538	0.8739
669	583	SH	05	1,707	0.8717
670	1217	KN	01	1,115	0.8709
671	1158	TE	04	550	0.8655
672	841	PG	01	340	0.8647
673	1095	BW	01	44	0.8636
674	545	SW	08	1,499	0.8519
675	725	JN	09	1,552	0.8518
676	1084	PA	03	1,113	0.8518
677	1013	AE	05	312	0.8429
678	1326	LY	47	660	0.8424
679	45	BZ	06	2,214	0.8406
680	120	HL	07	1,899	0.8399
681	385	BAR	42	4,425	0.8375
682	1679	WLO	47	12	0.8333
683	1066	HOC	02	1,729	0.8317
684	122	OA	07	919	0.8270
685	1047	SP	08	1,360	0.8265
686	891	BA	45	3,667	0.8225
687	1496	BZ	07	344	0.8198
688	539	LB	01	1,495	0.8154
689	228	BT	05	2,100	0.8152
690	225	LP	05	496	0.8125
691	532	JP	02	63	0.8095
692	114	LV	02	787	0.8069
693	556	WR	11	1,383	0.8062
694	687	HV	07	1,467	0.8057
695	843	SE	01	901	0.7980
696	190	AV	03	855	0.7977
697	200	SW	04	679	0.7968
698	255	PA	08	1,186	0.7934
699	655	NM	06	854	0.7927
700	918	HNY	07	588	0.7891
701	623	EC	11	712	0.7879
702	1102	TO	10	2,156	0.7871
703	231	HV	03	924	0.7868
704	184	FZ	41	5,424	0.7839
705	812	WE	04	37	0.7838
706	555	CA	08	969	0.7833
707	1216	WO	05	1,402	0.7817
708	797	GA	03	462	0.7792
709	350	WO	03	1,840	0.7783
710	782	HL	06	1,605	0.7769
711	462	ES	03	1,624	0.7759
712	876	SC	04	331	0.7734
713	673	WR	09	1,774	0.7734
714	906	DN	11	2,150	0.7698
715	686	LU	43	3,474	0.7660

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
716	647	TB	44	1,559	0.7659
717	818	TAN	41	556	0.7626
718	88	VL	02	801	0.7591
719	573	DV	06	1,963	0.7580
720	995	MB	06	1,092	0.7573
721	949	SW	07	1,830	0.7563
722	644	GP	05	180	0.7556
723	389	FP	06	2,553	0.7548
724	802	AD	09	2,101	0.7520
725	321	PI	46	3,148	0.7516
726	1353	HE	09	1,822	0.7503
727	243	WR	13	1,274	0.7496
728	988	AF	11	2,065	0.7462
729	611	LK	06	1,442	0.7420
730	26	WF	05	1,299	0.7406
731	560	NS	06	1,612	0.7370
732	765	WT	04	602	0.7342
733	242	FRY	45	386	0.7332
734	90	WO	14	2,072	0.7317
735	31	KL	46	2,575	0.7274
736	482	RE	04	1,472	0.7249
737	829	TIK	01	1,090	0.7239
738	736	GL	05	1,437	0.7175
739	1259	DN	06	1,319	0.7165
740	1361	EU	02	95	0.7158
741	625	AL	11	1,592	0.7079
742	1450	DV	10	1,311	0.7056
743	1004	UN	11	844	0.7038
744	453	AI	07	54	0.7037
745	271	PHR	01	3,023	0.7020
746	176	GE	43	6,610	0.7014
747	622	JOR	42	50	0.7000
748	961	BY	02	1,508	0.6983
749	85	FD	01	1,632	0.6973
750	69	HE	07	1,719	0.6946
751	808	TO	04	330	0.6939
752	1485	EU	10	968	0.6921
753	76	HK	41	664	0.6913
754	328	AD	06	725	0.6897
755	978	SB	03	1,550	0.6897
756	236	CS	03	1,777	0.6826
757	1068	GG	05	22	0.6818
758	707	NV	01	1,134	0.6817
759	567	WV	03	1,872	0.6816
760	766	EC	06	592	0.6807
761	241	OB	46	7,457	0.6803
762	883	BE	02	1,725	0.6754
763	208	THW	42	2,701	0.6753

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
764	1008	HT	03	419	0.6730
765	584	PZ	46	2,149	0.6719
766	617	CD	03	1,430	0.6713
767	319	MB	03	1,766	0.6693
768	732	HR	03	2,408	0.6657
769	833	UW	03	1,133	0.6655
770	1067	SH	12	804	0.6654
771	777	RZ	03	1,194	0.6583
772	757	KB	02	827	0.6578
773	651	LB	06	140	0.6571
774	7	HX	03	1,119	0.6533
775	591	MV	02	739	0.6509
776	784	LY	43	483	0.6480
777	320	LY	49	644	0.6475
778	1005	SPW	42	2,144	0.6451
779	642	PW	03	2,509	0.6437
780	654	WE	06	557	0.6427
781	660	KI	48	2,910	0.6337
782	128	HM	05	2,492	0.6332
783	1396	IT	42	84	0.6310
784	663	SB	04	906	0.6280
785	785	BY	06	2,081	0.6271
786	1493	GN	12	454	0.6211
787	813	LJ	05	785	0.6178
788	593	GP	06	1,358	0.6163
789	1109	HL	05	909	0.6161
790	640	CD	09	1,768	0.6126
791	NEW	BH	09	1,300	0.6123
792	11	SF	03	713	0.6115
793	372	LP	02	1,904	0.6092
794	218	TWG	43	3,154	0.6081
795	1124	SP	05	1,972	0.6080
796	967	GP	04	650	0.6077
797	1191	KI	47	3,486	0.6076
798	628	SA	01	1,039	0.6073
799	43	LA	04	1,463	0.6049
800	884	RS	02	1,603	0.6020
801	1303	SDY	04	397	0.6020
802	964	BR	03	2,029	0.6008
803	865	BR	04	895	0.5888
804	945	CD	08	1,793	0.5862
805	533	FD	05	1,532	0.5822
806	199	HX	01	1,225	0.5796
807	1469	HNY	04	907	0.5744
808	126	GV	02	1,744	0.5740
809	1137	FM	01	366	0.5738
810	716	HT	02	3,378	0.5734
811	639	LJ	07	2,423	0.5728

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
812	1282	IND	01	14	0.5714
813	1065	SIE	42	3,269	0.5714
814	213	BE	03	1,592	0.5710
815	1148	FT	04	1,722	0.5685
816	749	SE	04	744	0.5685
817	1009	MP	01	2,646	0.5673
818	1136	MP	08	1,839	0.5644
819	298	PI	47	3,707	0.5598
820	923	RU	06	2,129	0.5566
821	194	DA	05	710	0.5563
822	250	DA	04	847	0.5525
823	268	GL	08	1,092	0.5522
824	74	BV	42	2,647	0.5516
825	1246	FL	48	3,781	0.5469
826	605	KM	02	1,560	0.5449
827	824	DR	08	1,135	0.5436
828	578	FP	07	1,451	0.5431
829	107	GV	03	1,223	0.5413
830	425	AD	05	1,382	0.5398
831	724	LM	03	839	0.5364
832	281	BR	02	1,048	0.5324
833	310	TO	03	408	0.5294
834	1257	RS	01	843	0.5279
835	704	WV	02	744	0.5269
836	659	BR	01	722	0.5263
837	752	LK	02	2,172	0.5258
838	1379	STF	02	425	0.5247
839	478	WT	11	347	0.5245
840	1193	HOC	01	1,091	0.5243
841	112	BU	01	952	0.5189
842	323	STW	01	1,191	0.5172
843	681	BY	09	1,453	0.5148
844	353	CD	12	1,419	0.5102
845	1041	PA	06	1,970	0.5076
846	821	GE	47	3,842	0.5060
847	683	BL	04	2,149	0.5049
848	698	BR	12	1,506	0.5040
849	1007	AD	10	536	0.5019
850	1051	BT	04	1,778	0.5011
851	788	SE	02	1,373	0.4996
852	780	TE	10	435	0.4966
853	688	SW	10	1,204	0.4958
854	1030	SP	10	1,398	0.4957
855	706	RU	03	1,468	0.4952
856	54	LB	02	1,883	0.4944
857	384	SB	05	1,247	0.4908
858	925	HOC	09	1,897	0.4892
859	912	MU	01	1,316	0.4886

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
860	810	KB	01	1,445	0.4879
861	1190	LU	42	2,923	0.4865
862	299	BL	02	1,592	0.4856
863	1073	TB	02	734	0.4850
864	721	BE	04	1,902	0.4842
865	13	NEW	03	839	0.4827
866	116	PA	04	2,220	0.4820
867	215	WE	02	732	0.4809
868	1242	WF	41	3,111	0.4802
869	615	NEW	01	711	0.4796
870	1074	SP	03	1,524	0.4790
871	975	EB	07	725	0.4772
872	1079	ST	03	929	0.4769
873	274	PHR	02	1,841	0.4726
874	32	SR	03	1,267	0.4680
875	1100	EL	08	436	0.4679
876	1392	HP	02	1,341	0.4676
877	927	CV	07	1,801	0.4659
878	483	LC	01	263	0.4639
879	968	PA	09	1,106	0.4638
880	679	RS	03	1,354	0.4638
881	360	NV	03	1,565	0.4626
882	282	GG	03	2,505	0.4599
883	1381	EC	13	319	0.4577
884	1309	BI	44	46	0.4565
885	1064	SIE	41	725	0.4552
886	911	BY	04	1,275	0.4549
887	1107	BW	04	11	0.4545
888	965	BA	04	1,268	0.4535
889	380	FD	07	966	0.4524
890	620	BG	02	2,340	0.4509
891	1187	PA	05	2,899	0.4502
892	1263	KT	47	885	0.4475
893	256	HOC	07	1,678	0.4464
894	330	CL	07	991	0.4460
895	201	EC	02	1,746	0.4456
896	524	BZ	04	319	0.4451
897	990	ST	04	1,413	0.4423
898	959	RA	46	4,425	0.4414
899	1322	HG	05	290	0.4379
900	118	WBY	01	423	0.4374
901	1356	MC	03	814	0.4373
902	1149	SC	05	30	0.4333
903	895	SH	01	1,399	0.4325
904	685	LC	02	236	0.4322
905	510	UW	04	708	0.4322
906	809	FD	04	1,139	0.4320
907	762	TO	01	1,967	0.4281

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
908	42	AL	05	820	0.4280
909	783	FZ	50	3,759	0.4251
910	563	WO	02	1,847	0.4250
911	189	FL	49	4,103	0.4241
912	444	MP	05	1,822	0.4232
913	261	TAN	44	734	0.4223
914	779	HV	02	280	0.4214
915	37	HB	49	3,172	0.4209
916	857	DR	09	290	0.4207
917	1359	KB	04	976	0.4191
918	1329	FW	03	2,076	0.4176
919	635	HR	02	1,095	0.4164
920	521	HY	06	2,551	0.4163
921	22	WF	42	3,681	0.4162
922	359	UV	06	1,640	0.4152
923	64	SPW	52	5,346	0.4138
924	1075	HX	02	928	0.4127
925	424	WT	10	301	0.4120
926	672	SH	08	1,466	0.4072
927	549	BI	02	1,437	0.4071
928	740	SP	04	570	0.4070
929	1232	FD	14	2,409	0.4068
930	854	FD	16	1,239	0.4068
931	324	PE	05	729	0.4047
932	547	TE	03	1,341	0.4042
933	284	CE	03	1,943	0.4035
934	185	WW	10	1,953	0.4019
935	162	MDY	03	1,914	0.4002
936	38	CA	06	885	0.4000
937	1311	KB	13	20	0.4000
938	1659	SDY	03	10	0.4000
939	1	UN	05	1,053	0.3989
940	981	BR	13	729	0.3978
941	437	PHR	03	1,174	0.3952
942	671	HY	12	980	0.3949
943	1425	WV	01	107	0.3925
944	882	AN	01	867	0.3922
945	601	BH	07	595	0.3916
946	966	GZ	43	2,972	0.3896
947	920	WR	14	308	0.3896
948	1386	KM	03	131	0.3893
949	913	WO	01	1,286	0.3872
950	264	HB	50	3,487	0.3866
951	154	BY	07	1,271	0.3863
952	979	ST	06	995	0.3859
953	1245	MAR	47	3,011	0.3849
954	418	GZ	41	4,321	0.3826
955	344	CB	02	1,104	0.3822

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
956	596	RA	42	3,423	0.3815
957	262	BI	41	2,717	0.3813
958	1082	FD	03	1,023	0.3763
959	1097	CV	06	1,281	0.3755
960	500	MB	02	32	0.3750
961	222	BY	05	1,580	0.3747
962	735	IR	02	1,069	0.3742
963	1163	RA	43	968	0.3740
964	748	WT	07	1,196	0.3737
965	163	SH	04	2,147	0.3735
966	1142	UV	03	727	0.3728
967	599	ES	07	347	0.3718
968	365	BY	03	1,594	0.3714
969	727	GV	06	1,481	0.3700
970	887	ES	06	2,022	0.3689
971	552	BG	04	865	0.3688
972	1040	LK	07	1,232	0.3685
973	807	GL	01	2,096	0.3683
974	1293	RA	45	2,555	0.3683
975	709	ME	01	1,622	0.3668
976	198	CR	03	2,085	0.3640
977	781	CG	01	553	0.3635
978	1433	UL	48	2,110	0.3630
979	866	UW	06	226	0.3628
980	263	HY	13	717	0.3626
981	767	AL	09	1,929	0.3598
982	787	KI	49	2,857	0.3598
983	1057	UL	03	507	0.3590
984	354	UV	08	521	0.3589
985	562	IR	03	1,745	0.3564
986	754	GP	08	1,391	0.3559
987	138	CB	11	2,445	0.3558
988	1036	GN	10	1,693	0.3556
989	297	LP	08	1,381	0.3534
990	318	SB	08	832	0.3534
991	248	HR	01	1,355	0.3513
992	15	LY	41	516	0.3508
993	692	RU	04	1,448	0.3494
994	1140	KI	46	2,919	0.3491
995	1344	DL	43	2,899	0.3481
996	1231	FD	06	2,447	0.3478
997	1203	LW	46	4,569	0.3449
998	1319	RS	08	453	0.3444
999	1420	BR	14	549	0.3443
1000	1235	FT	06	2,177	0.3436
1001	937	GL	09	1,984	0.3422
1002	293	WE	03	155	0.3419
1003	1055	MY	08	1,545	0.3417

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1004	30	STW	05	887	0.3405
1005	131	FM	03	303	0.3399
1006	14	WR	12	1,620	0.3395
1007	700	DH	02	1,125	0.3378
1008	561	UL	04	1,270	0.3378
1009	270	VL	07	235	0.3362
1010	860	MV	01	846	0.3357
1011	1172	ADK	43	645	0.3349
1012	10	AR	44	3,036	0.3323
1013	1374	SA	43	4,852	0.3304
1014	880	SE	03	852	0.3286
1015	997	KB	03	1,167	0.3273
1016	396	TV	01	978	0.3272
1017	952	SF	14	337	0.3264
1018	1014	CYF	46	1,859	0.3260
1019	864	UV	05	1,246	0.3250
1020	1001	GT	13	1,176	0.3248
1021	1288	SO	43	3,658	0.3245
1022	129	TRN	05	1,770	0.3243
1023	609	DR	01	1,579	0.3236
1024	456	LW	43	1,809	0.3201
1025	1032	NS	04	1,669	0.3188
1026	1152	GZ	48	1,547	0.3187
1027	71	NB	42	314	0.3185
1028	40	WBY	02	1,160	0.3181
1029	288	SW	06	931	0.3179
1030	469	HG	06	375	0.3173
1031	NEW	AI	10	41	0.3171
1032	304	CC	01	1,608	0.3153
1033	234	GN	06	854	0.3150
1034	770	SR	16	86	0.3140
1035	674	OA	06	1,434	0.3138
1036	170	KI	44	3,778	0.3121
1037	881	GT	04	1,295	0.3120
1038	1120	RS	05	2,010	0.3104
1039	247	BR	09	839	0.3099
1040	934	BAR	45	2,737	0.3091
1041	257	WZ	46	3,760	0.3074
1042	859	DV	01	583	0.3070
1043	953	WZ	47	4,000	0.3063
1044	3	NSH	03	288	0.3056
1045	165	TV	03	1,451	0.3053
1046	41	GZ	46	3,160	0.3044
1047	1211	HE	15	1,636	0.3044
1048	205	STW	02	1,370	0.3044
1049	1395	IND	03	23	0.3043
1050	664	ST	05	1,045	0.3033
1051	439	ME	09	1,518	0.3017

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1052	1413	HE	06	1,401	0.3012
1053	1096	DA	06	442	0.2986
1054	768	CV	01	2,258	0.2981
1055	428	AN	05	1,680	0.2964
1056	614	DV	05	1,465	0.2962
1057	531	KB	20	896	0.2958
1058	811	BG	03	1,587	0.2955
1059	345	GA	05	758	0.2955
1060	926	KB	12	1,061	0.2950
1061	1377	SW	05	539	0.2950
1062	212	AI	08	51	0.2941
1063	900	MAR	42	3,217	0.2941
1064	1430	GT	01	772	0.2940
1065	1443	KB	05	1,304	0.2937
1066	996	DH	05	1,287	0.2922
1067	528	WO	10	558	0.2921
1068	46	CB	01	1,548	0.2920
1069	970	HT	08	956	0.2918
1070	392	KN	02	1,420	0.2880
1071	1475	GP	03	66	0.2879
1072	466	LK	03	1,127	0.2866
1073	443	FR	48	3,147	0.2863
1074	1302	HG	03	91	0.2857
1075	329	CR	06	1,590	0.2849
1076	232	BW	07	2,529	0.2847
1077	377	AF	04	1,602	0.2840
1078	1411	PW	01	1,459	0.2838
1079	5	BV	41	3,433	0.2828
1080	160	OA	02	559	0.2826
1081	745	CG	04	1,602	0.2815
1082	47	TV	04	1,237	0.2813
1083	931	CR	04	1,991	0.2808
1084	312	SP	09	2,756	0.2805
1085	175	THW	49	1,686	0.2805
1086	1421	WEB	04	636	0.2799
1087	982	SPW	41	4,525	0.2796
1088	825	RO	44	1,837	0.2793
1089	1204	HT	09	548	0.2792
1090	1274	CL	01	129	0.2791
1091	853	GT	09	1,142	0.2785
1092	936	MC	02	600	0.2783
1093	1028	BG	06	1,639	0.2782
1094	366	CB	06	918	0.2778
1095	142	MY	07	1,079	0.2753
1096	1146	TE	07	1,365	0.2747
1097	1287	RS	06	51	0.2745
1098	406	GT	03	2,800	0.2743
1099	1484	WEB	10	551	0.2740

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1100	1333	PO	09	2,326	0.2734
1101	4	FR	45	3,214	0.2729
1102	1462	KDL	47	2,086	0.2728
1103	1445	WE	07	33	0.2727
1104	117	SP	07	1,825	0.2723
1105	1147	FD	09	2,562	0.2721
1106	530	AF	10	1,063	0.2719
1107	1225	MY	03	1,530	0.2706
1108	1080	JP	03	37	0.2703
1109	694	HB	44	3,031	0.2699
1110	1144	KI	45	3,077	0.2694
1111	473	ST	02	1,465	0.2689
1112	383	BI	05	671	0.2683
1113	507	TV	05	82	0.2683
1114	1168	AM	05	1,636	0.2677
1115	1033	CYF	43	2,078	0.2671
1116	987	SO	42	675	0.2667
1117	534	BI	46	1,221	0.2654
1118	598	ST	07	1,222	0.2635
1119	1505	FAN	48	1,305	0.2628
1120	1129	DE	03	160	0.2625
1121	1090	LK	08	1,488	0.2621
1122	1027	TB	06	1,142	0.2618
1123	714	UV	01	1,170	0.2615
1124	1244	STF	05	1,599	0.2614
1125	1419	HY	07	990	0.2596
1126	805	TO	09	1,241	0.2595
1127	1006	AF	08	2,486	0.2591
1128	867	WE	08	1,394	0.2590
1129	1397	STF	01	684	0.2588
1130	186	PA	07	1,396	0.2586
1131	940	PO	07	655	0.2580
1132	29	LY	44	921	0.2573
1133	1114	STF	04	859	0.2573
1134	1308	KB	06	1,297	0.2567
1135	333	FT	09	1,438	0.2566
1136	1346	PO	03	772	0.2565
1137	845	BC	08	1,646	0.2564
1138	872	EU	11	1,278	0.2559
1139	1015	DE	07	1,260	0.2556
1140	924	DE	08	458	0.2555
1141	699	STF	42	1,455	0.2536
1142	778	TO	05	1,313	0.2536
1143	1194	WW	07	1,978	0.2533
1144	289	CYF	47	4,366	0.2526
1145	1349	SO	46	3,922	0.2496
1146	390	ST	09	1,106	0.2486
1147	174	HL	02	1,184	0.2483

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1148	435	CR	05	939	0.2481
1149	1083	NS	03	1,126	0.2478
1150	447	PZ	44	5,116	0.2475
1151	1221	FL	43	3,401	0.2473
1152	1222	LU	01	735	0.2463
1153	481	CB	09	1,798	0.2458
1154	1348	SA	42	895	0.2458
1155	1091	KL	43	2,682	0.2450
1156	1364	ST	13	1,619	0.2440
1157	1406	ST	12	865	0.2439
1158	529	ADK	47	460	0.2435
1159	676	HP	03	2,507	0.2433
1160	1387	HE	11	1,706	0.2415
1161	1063	CE	08	1,873	0.2403
1162	517	FRY	41	3,947	0.2402
1163	1106	BH	04	529	0.2401
1164	973	LJ	02	1,588	0.2399
1165	1336	HNY	01	1,750	0.2394
1166	835	SP	06	1,926	0.2383
1167	409	DR	02	2,446	0.2379
1168	188	FZ	46	3,417	0.2379
1169	503	EC	05	711	0.2363
1170	349	CD	01	890	0.2360
1171	1307	HOC	05	947	0.2355
1172	57	SA	47	1,032	0.2355
1173	1078	SH	09	1,517	0.2353
1174	1265	DR	03	2,012	0.2351
1175	150	SB	01	2,242	0.2351
1176	1215	UL	47	2,910	0.2351
1177	621	LU	02	1,060	0.2349
1178	1407	EL	06	311	0.2347
1179	1209	NB	43	5,106	0.2331
1180	991	GE	49	5,838	0.2318
1181	334	HNY	02	437	0.2311
1182	794	AM	08	3,461	0.2303
1183	873	GS	20	222	0.2297
1184	1170	LP	06	183	0.2295
1185	720	MAR	44	3,336	0.2293
1186	712	SR	12	975	0.2287
1187	1160	BR	11	902	0.2284
1188	1255	HY	05	1,476	0.2263
1189	962	RO	05	1,011	0.2255
1190	827	TO	11	1,346	0.2251
1191	543	UL	09	573	0.2251
1192	719	DR	12	852	0.2230
1193	94	STF	06	491	0.2220
1194	404	SH	02	1,422	0.2215
1195	747	IR	04	1,180	0.2212

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1196	677	FZ	42	5,010	0.2210
1197	1178	CE	11	2,590	0.2208
1198	1151	WI	04	2,385	0.2205
1199	167	GS	22	1,711	0.2186
1200	1199	FL	44	3,507	0.2181
1201	1089	CK	02	978	0.2178
1202	433	PE	02	1,609	0.2175
1203	407	WZ	43	1,655	0.2175
1204	869	IR	01	664	0.2169
1205	426	CD	02	1,400	0.2164
1206	772	BZ	09	575	0.2139
1207	631	AF	09	2,053	0.2124
1208	755	SCW	01	1,926	0.2124
1209	667	CRB	47	1,259	0.2121
1210	1131	WF	46	6,775	0.2111
1211	541	SR	09	931	0.2105
1212	998	RS	04	1,841	0.2091
1213	1214	OB	42	2,641	0.2086
1214	815	VL	01	904	0.2080
1215	871	NS	02	1,593	0.2078
1216	1072	SA	44	1,012	0.2075
1217	401	DH	07	1,592	0.2073
1218	1122	EL	05	647	0.2071
1219	50	AF	07	1,476	0.2066
1220	1441	WEB	08	823	0.2066
1221	97	LJ	03	874	0.2037
1222	919	SH	11	1,681	0.2035
1223	216	KT	43	1,953	0.2033
1224	837	DN	03	2,161	0.2004
1225	1345	WI	44	5,009	0.1998
1226	168	DE	05	1,321	0.1983
1227	53	DL	41	2,774	0.1983
1228	133	WLO	42	2,985	0.1980
1229	343	DL	42	1,686	0.1975
1230	1350	BI	03	853	0.1970
1231	989	FT	03	1,077	0.1968
1232	1432	WI	41	3,889	0.1967
1233	828	EC	03	535	0.1963
1234	1143	KI	42	4,505	0.1958
1235	1264	KT	50	2,595	0.1958
1236	490	TRN	03	41	0.1951
1237	81	CB	05	1,758	0.1940
1238	746	BA	01	853	0.1934
1239	1169	AF	02	1,565	0.1923
1240	902	GT	08	1,218	0.1921
1241	1318	SA	48	532	0.1917
1242	680	OB	45	2,376	0.1915
1243	1337	FD	15	762	0.1903

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1244	951	UW	05	999	0.1902
1245	83	GA	09	2,054	0.1899
1246	753	IR	06	1,462	0.1895
1247	414	WLO	41	4,328	0.1892
1248	943	GG	09	1,959	0.1884
1249	904	HE	04	1,702	0.1880
1250	947	TE	02	538	0.1877
1251	73	THW	43	1,874	0.1857
1252	942	DL	44	3,170	0.1833
1253	930	GA	02	1,904	0.1833
1254	1166	FW	01	782	0.1829
1255	508	HT	01	2,878	0.1828
1256	419	BI	06	1,467	0.1827
1257	471	WF	47	2,370	0.1827
1258	362	WO	13	493	0.1826
1259	870	VL	06	422	0.1825
1260	1058	OB	48	4,750	0.1815
1261	1185	AF	03	2,118	0.1813
1262	152	MAR	45	3,171	0.1813
1263	1138	HR	04	2,224	0.1812
1264	336	UL	49	1,215	0.1811
1265	1116	BI	11	188	0.1809
1266	1071	WI	43	4,472	0.1805
1267	847	SB	02	1,345	0.1799
1268	1388	RO	43	1,499	0.1788
1269	1300	MY	01	966	0.1781
1270	1266	DL	46	2,672	0.1774
1271	1174	IM	49	3,943	0.1773
1272	1226	JN	03	1,760	0.1756
1273	708	DH	03	57	0.1754
1274	306	KT	41	1,085	0.1742
1275	670	CE	04	1,465	0.1741
1276	280	GA	04	1,281	0.1741
1277	801	LY	48	2,361	0.1741
1278	459	WT	03	553	0.1736
1279	347	PO	01	1,091	0.1723
1280	933	SR	01	251	0.1713
1281	1023	TO	07	1,325	0.1713
1282	391	KN	05	2,095	0.1709
1283	650	LY	42	41	0.1707
1284	1315	GG	02	2,493	0.1705
1285	916	LM	02	828	0.1703
1286	506	FL	45	4,042	0.1685
1287	1277	CE	06	1,907	0.1683
1288	1368	GZ	47	1,066	0.1679
1289	442	DH	08	1,996	0.1673
1290	48	EU	03	2,924	0.1669
1291	381	HA	06	1,643	0.1668

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1292	413	JP	01	30	0.1667
1293	652	CR	01	2,181	0.1660
1294	1254	HL	01	1,337	0.1660
1295	132	TV	02	1,081	0.1647
1296	367	FZ	43	305	0.1639
1297	196	IM	45	3,269	0.1637
1298	87	BZ	08	2,020	0.1629
1299	1050	WZ	41	5,200	0.1617
1300	1037	MB	08	1,139	0.1615
1301	616	BI	04	589	0.1613
1302	1439	FD	12	1,845	0.1604
1303	608	MB	10	499	0.1603
1304	1323	BL	09	1,395	0.1599
1305	948	IND	06	19	0.1579
1306	950	HM	10	1,124	0.1575
1307	1481	RS	07	254	0.1575
1308	1276	HV	05	687	0.1572
1309	1035	RO	08	1,779	0.1563
1310	1305	STF	08	257	0.1556
1311	111	RO	02	2,649	0.1555
1312	416	MP	04	1,243	0.1553
1313	1448	GE	48	4,187	0.1550
1314	553	MDY	01	1,384	0.1532
1315	463	DH	01	3,112	0.1526
1316	171	RA	41	3,047	0.1526
1317	NEW	FRY	49	4,803	0.1524
1318	1298	BM	06	1,451	0.1523
1319	696	AI	06	106	0.1509
1320	830	HY	03	1,017	0.1504
1321	317	SR	05	600	0.1500
1322	717	BU	02	107	0.1495
1323	946	HE	01	1,425	0.1495
1324	861	DR	06	783	0.1469
1325	1436	ED	08	1,472	0.1467
1326	1306	MAR	46	2,502	0.1467
1327	1268	BI	09	1,651	0.1442
1328	1045	TO	02	788	0.1434
1329	690	SF	09	28	0.1429
1330	1162	BI	08	905	0.1425
1331	430	CYF	42	3,352	0.1423
1332	314	SF	05	289	0.1419
1333	1488	EU	01	454	0.1410
1334	1101	MY	11	1,129	0.1408
1335	476	AN	11	1,513	0.1401
1336	1424	KM	07	1,527	0.1401
1337	441	AN	07	1,666	0.1393
1338	1034	ED	01	1,471	0.1387
1339	1012	FAN	47	4,468	0.1385

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1340	710	FZ	49	3,835	0.1374
1341	963	LP	03	409	0.1369
1342	1271	SC	01	22	0.1364
1343	1153	CA	03	2,005	0.1352
1344	522	RO	01	3,293	0.1351
1345	1094	EU	04	267	0.1348
1346	141	ED	06	2,331	0.1347
1347	1630	LY	45	1,834	0.1347
1348	974	ED	07	1,063	0.1336
1349	449	ADK	41	105	0.1333
1350	1389	MY	06	1,642	0.1328
1351	394	GA	07	1,788	0.1314
1352	NEW	FRY	47	4,597	0.1307
1353	1400	AI	09	54	0.1296
1354	1410	TE	09	1,026	0.1287
1355	494	CB	04	1,364	0.1276
1356	305	KM	04	1,532	0.1266
1357	451	WW	01	550	0.1255
1358	1371	FRY	43	4,525	0.1253
1359	1128	JN	04	783	0.1252
1360	214	WI	42	4,755	0.1232
1361	179	KG	45	3,568	0.1230
1362	468	QV	04	989	0.1223
1363	1280	FW	02	517	0.1219
1364	520	FZ	54	4,278	0.1218
1365	277	GN	09	653	0.1194
1366	1156	SF	01	629	0.1192
1367	1334	HT	04	472	0.1186
1368	1292	GE	44	5,911	0.1176
1369	195	HOC	08	1,921	0.1176
1370	1161	JP	05	17	0.1176
1371	1442	RO	06	927	0.1176
1372	1104	EL	09	1,627	0.1168
1373	68	WD	41	826	0.1162
1374	143	CB	10	1,804	0.1153
1375	1201	CL	04	61	0.1148
1376	889	GT	10	620	0.1145
1377	1342	IM	48	2,334	0.1140
1378	1192	AI	05	71	0.1127
1379	489	WF	44	4,769	0.1124
1380	1335	ED	03	1,568	0.1116
1381	1173	IT	41	36	0.1111
1382	1183	CC	04	1,037	0.1109
1383	1150	CE	05	2,267	0.1107
1384	NEW	VCR	41	5,207	0.1089
1385	574	FL	42	3,142	0.1079
1386	1384	MID	03	1,503	0.1078
1387	1213	GP	09	197	0.1066

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1388	1026	WZ	48	1,051	0.1066
1389	1188	FZ	53	4,604	0.1062
1390	98	LP	01	57	0.1053
1391	1506	MY	12	902	0.1042
1392	1508	AM	07	29	0.1034
1393	1471	BI	42	2,936	0.1025
1394	1434	DN	04	1,956	0.1022
1395	1482	SC	03	49	0.1020
1396	512	HE	05	1,671	0.1017
1397	108	GZ	45	5,763	0.1015
1398	166	HV	06	1,291	0.1015
1399	944	UV	02	774	0.1008
1400	1369	MP	09	10	0.1000
1401	1677	WD	44	10	0.1000
1402	1239	PO	08	1,841	0.0999
1403	465	UV	07	1,551	0.0993
1404	1141	HP	01	855	0.0982
1405	526	CYF	44	4,473	0.0981
1406	761	UW	07	1,968	0.0976
1407	448	WLO	43	513	0.0975
1408	1455	PO	06	1,755	0.0974
1409	742	ST	11	1,104	0.0960
1410	852	DE	04	735	0.0952
1411	1373	FRY	46	4,833	0.0933
1412	1291	UL	16	517	0.0928
1413	273	CA	07	479	0.0919
1414	1134	NM	03	1,154	0.0910
1415	148	NSH	02	155	0.0903
1416	1296	HA	02	1,672	0.0891
1417	341	DV	09	2,357	0.0887
1418	932	SR	07	79	0.0886
1419	NEW	VCR	43	1,763	0.0885
1420	192	CRB	48	6,574	0.0884
1421	235	UL	14	864	0.0880
1422	1536	JOR	43	82	0.0854
1423	1375	CRB	45	4,816	0.0853
1424	1325	CK	05	1,373	0.0852
1425	542	EL	10	852	0.0845
1426	1195	RE	08	819	0.0830
1427	1476	SO	41	2,442	0.0827
1428	629	TE	06	1,860	0.0823
1429	1286	WT	09	328	0.0823
1430	958	HG	01	210	0.0810
1431	229	MY	02	1,306	0.0804
1432	678	GL	02	100	0.0800
1433	1278	NV	02	325	0.0800
1434	59	VW	05	3,029	0.0799
1435	1324	AF	12	675	0.0785

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1436	1042	DV	07	901	0.0777
1437	1478	DN	12	688	0.0770
1438	1527	GN	48	13	0.0769
1439	758	HP	06	585	0.0769
1440	1110	WO	11	66	0.0758
1441	1452	HT	05	822	0.0754
1442	548	SH	10	1,100	0.0736
1443	1390	HY	04	1,811	0.0723
1444	1519	FRK	41	14	0.0714
1445	832	OB	47	4,514	0.0713
1446	610	JN	10	2,825	0.0708
1447	492	VVV	03	1,697	0.0707
1448	1343	EL	04	759	0.0698
1449	1458	GA	01	43	0.0698
1450	1021	GL	03	72	0.0694
1451	1380	HE	10	1,373	0.0685
1452	1440	FD	02	1,886	0.0684
1453	135	BH	05	514	0.0681
1454	1401	CA	04	1,258	0.0668
1455	619	BI	10	15	0.0667
1456	1529	GP	02	30	0.0667
1457	376	UL	13	3,636	0.0666
1458	477	ST	08	632	0.0665
1459	511	BM	05	349	0.0659
1460	12	EC	09	1,230	0.0642
1461	1465	KN	04	47	0.0638
1462	1460	HK	47	2,968	0.0603
1463	1405	CR	02	436	0.0596
1464	159	RO	04	1,580	0.0582
1465	509	DN	07	1,728	0.0567
1466	839	RO	07	2,134	0.0567
1467	513	GA	08	55	0.0545
1468	1399	ED	05	1,050	0.0543
1469	1427	BW	08	19	0.0526
1470	1500	WEB	11	1,094	0.0512
1471	1394	BL	01	1,121	0.0508
1472	1000	FP	04	20	0.0500
1473	191	CYF	48	2,842	0.0496
1474	731	DN	02	1,023	0.0489
1475	1098	HE	13	1,976	0.0486
1476	423	JN	08	1,220	0.0467
1477	905	HA	09	1,468	0.0450
1478	1314	KDL	44	2,661	0.0447
1479	1456	QV	05	1,125	0.0444
1480	1383	EU	08	204	0.0441
1481	1367	MY	05	592	0.0439
1482	1251	KB	19	970	0.0402
1483	1339	FD	08	2,669	0.0382

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1484	1468	SF	43	3,738	0.0380
1485	691	BG	05	345	0.0377
1486	25	GR	04	27	0.0370
1487	1507	ADK	46	28	0.0357
1488	1423	DR	05	2,326	0.0357
1489	1370	EU	06	685	0.0350
1490	1489	HNY	06	520	0.0346
1491	1472	AM	06	1,426	0.0344
1492	1418	HE	14	1,605	0.0343
1493	595	VVV	06	1,459	0.0336
1494	290	LP	04	538	0.0335
1495	1486	BM	08	1,023	0.0332
1496	1638	PK	02	244	0.0328
1497	1077	HP	05	3,105	0.0325
1498	764	GT	05	2,262	0.0323
1499	62	AM	03	376	0.0319
1500	1416	DV	04	941	0.0319
1501	219	WF	01	407	0.0246
1502	1491	MC	07	627	0.0239
1503	66	MP	07	531	0.0226
1504	984	WO	09	267	0.0225
1505	1393	FW	06	1,343	0.0223
1506	498	FRY	44	205	0.0195
1507	1473	HE	12	1,196	0.0192
1508	1459	EU	12	164	0.0183
1509	1398	CR	08	223	0.0135
1510	1498	EC	01	232	0.0129
1511	980	EC	10	389	0.0129
1512	1358	MC	04	417	0.0120
1513	1512	DN	09	178	0.0112
1514	1236	UV	04	1,027	0.0107
1515	1382	ST	14	575	0.0104
1516	1224	GS	26	102	0.0098
1517	1470	GN	11	863	0.0093
1518	1299	MID	02	1,464	0.0089
1519	399	HY	01	2,175	0.0078
1520	915	KB	11	734	0.0054
1521	1532	GS	02	229	0.0044
1522	1550	UL	41	229	0.0044
1523	1539	PK	04	238	0.0042
1524	893	HT	06	1,961	0.0041
1525	1503	FAN	46	589	0.0034
1526	1534	GS	25	642	0.0031
1527	1513	DT	19	343	0.0029
1528	1509	BI	01	358	0.0028
1529	1171	DN	08	379	0.0026
1530	1541	PK	44	657	0.0015
1531	1474	KB	18	706	0.0014

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1532	1549	SF	45	839	0.0012
1533	1510	BI	47	688	0.0000
1534	1511	BR	06	13	0.0000
1535	1514	DT	23	25	0.0000
1536	1567	DT	24	11	0.0000
1537	1570	DT	28	44	0.0000
1538	1515	DT	29	10	0.0000
1539	1571	DT	30	12	0.0000
1540	1573	DT	32	22	0.0000
1541	1575	DT	34	15	0.0000
1542	1516	DT	35	28	0.0000
1543	1520	FRK	42	742	0.0000
1544	1522	FRK	46	375	0.0000
1545	1523	FRK	47	337	0.0000
1546	1524	GG	08	14	0.0000
1547	1598	GN	41	10	0.0000
1548	1525	GN	43	367	0.0000
1549	1526	GN	46	14	0.0000
1550	1528	GN	51	12	0.0000
1551	1530	GR	03	17	0.0000
1552	1233	GS	07	286	0.0000
1553	1609	GS	12	21	0.0000
1554	613	GS	14	10	0.0000
1555	1501	GS	23	14	0.0000
1556	1408	GS	29	26	0.0000
1557	646	GT	02	24	0.0000
1558	1241	HA	10	485	0.0000
1559	1011	HG	08	21	0.0000
1560	1535	IT	01	42	0.0000
1561	1495	KB	15	304	0.0000
1562	1637	PK	01	250	0.0000
1563	1504	PK	43	441	0.0000
1564	1542	PK	45	18	0.0000
1565	1543	PK	46	221	0.0000
1566	1544	PK	47	73	0.0000
1567	1645	PK	48	11	0.0000
1568	1545	PK	49	14	0.0000
1569	1444	PK	50	25	0.0000
1570	1502	PZ	47	283	0.0000
1571	1547	SC	02	13	0.0000
1572	1649	SC	06	10	0.0000
1573	551	SF	08	79	0.0000
1574	600	SF	10	20	0.0000
1575	1548	SF	44	658	0.0000
1576	1494	SPW	44	614	0.0000
1577	1492	SPW	51	140	0.0000
1578	1499	SR	04	127	0.0000
1579	1250	SR	14	802	0.0000

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIFI Ranking	2017 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIFI Value
1580	1551	WD	42	70	0.0000

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

1580

Add or Delete Rows as Necessary

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1	117	NM	01	801	831.9337
2	449	OA	03	45	687.5627
3	403	WF	45	1,314	669.7571
4	76	SW	09	1,965	640.7761
5	815	WL	02	337	635.9112
6	165	PW	08	1,529	600.4695
7	500	FAN	45	237	532.6591
8	894	OR	41	527	488.2283
9	1280	TRN	41	28	484.1443
10	50	KL	45	4,739	477.0679
11	3	WC	01	301	472.3349
12	590	ADK	44	410	468.3792
13	114	AD	01	702	466.4901
14	57	HK	43	982	459.4677
15	91	VL	03	1,314	453.9158
16	838	WO	12	1,523	452.6335
17	81	BA	47	3,265	446.3506
18	827	BR	07	1,127	433.3135
19	111	PO	02	1,109	433.0880
20	398	TM	05	33	429.8148
21	406	KW	43	4,441	428.5609
22	917	GW	06	854	418.3304
23	448	HB	04	113	414.9637
24	243	BT	03	2,159	410.0370
25	189	PW	05	2,208	406.6592
26	993	BR	05	596	405.5926
27	31	BY	10	1,224	405.1936
28	620	NP	41	2,777	399.9726
29	1241	TE	08	838	399.6696
30	155	SO	47	2,298	397.9934
31	892	GP	07	1,063	395.3824
32	86	AD	02	2,143	392.4455
33	319	GG	06	1,509	384.6039
34	719	FR	49	4,197	384.0362
35	48	AE	06	937	382.6119
36	68	SE	42	1,054	381.1782
37	512	TRN	04	805	379.9535
38	135	TB	45	2,372	378.0255
39	1433	WI	03	332	375.4714
40	1333	PJ	04	1,463	374.6812
41	1066	GW	07	1,385	374.3682
42	94	GE	41	4,147	373.3369
43	422	UN	03	1,547	372.4940

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
44	33	LY	46	284	371.0985
45	1471	PJ	02	1,122	370.0747
46	949	FR	41	1,383	367.8204
47	1092	FM	01	366	365.0043
48	206	MY	10	804	363.5582
49	69	VL	04	2,307	362.7798
50	145	PI	43	4,812	360.6236
51	687	SPW	50	7,245	359.5527
52	579	CRB	46	2,951	356.5831
53	303	HB	48	2,833	356.5291
54	566	BR	08	945	355.8836
55	581	CL	09	404	353.4095
56	1445	FP	02	18	353.3550
57	88	WA	42	1,025	349.4741
58	164	AR	41	1,871	345.5945
59	1234	KT	46	1,175	343.3403
60	697	BZ	01	1,087	339.1789
61	391	KW	41	4,370	335.3139
62	998	KDL	42	3,702	334.7510
63	965	CE	01	1,730	331.9208
64	NEW	AR	46	5,035	331.6382
65	1134	IM	42	2,107	331.3113
66	178	BA	44	3,679	330.0570
67	216	WE	05	12	329.2408
68	324	BT	06	625	328.5558
69	630	LK	10	2,385	327.6001
70	863	LV	03	696	326.8648
71	700	EC	08	1,234	326.7859
72	252	TO	08	665	326.5174
73	706	HV	08	1,855	325.2906
74	1019	SA	46	281	325.1201
75	87	GV	04	1,392	322.7607
76	1199	IR	05	1,847	321.6143
77	478	ST	16	1,325	321.5734
78	394	KDL	46	3,229	320.2722
79	865	AN	04	1,755	319.1644
80	1111	RO	03	1,053	315.6295
81	1033	PJ	03	1,443	314.8550
82	610	HL	03	1,355	314.2632
83	820	BW	10	16	313.5781
84	458	OR	01	47	312.3166
85	140	GE	46	3,402	312.2859
86	574	JP	06	262	310.7439
87	787	GW	01	1,952	310.3357
88	496	SR	13	1,095	309.0239
89	1008	ADK	48	3,667	307.6861
90	65	AT	41	2,481	304.4501
91	1009	NP	44	2,384	304.0563

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
92	NEW	WA	44	675	303.8215
93	931	WZ	44	940	303.7636
94	1143	LB	03	403	303.7191
95	1031	HV	01	1,099	303.3874
96	41	RZ	01	648	303.3745
97	957	LU	03	993	301.7925
98	58	CS	02	1,610	300.1560
99	20	EB	05	630	298.9374
100	964	ST	01	1,173	297.1056
101	329	PI	41	3,485	296.5042
102	1415	EL	07	1,704	296.3710
103	282	HOC	03	1,492	291.6997
104	481	LY	43	483	288.7791
105	864	HM	03	1,920	286.8468
106	43	GL	06	1,584	285.3644
107	413	EU	07	2,189	285.3256
108	735	UL	46	3,493	285.1486
109	383	EU	09	1,315	282.9473
110	1069	LB	07	137	281.8619
111	23	RT	01	325	281.7425
112	38	DV	03	720	281.2291
113	731	IND	05	51	279.9522
114	284	THW	47	3,284	279.9268
115	577	PI	45	3,734	279.2880
116	113	SW	04	679	278.5435
117	708	SA	49	1,503	278.2822
118	883	TO	04	330	278.0504
119	954	HK	46	3,710	278.0409
120	160	HB	03	923	277.8786
121	438	KW	44	3,532	275.0037
122	1336	BT	02	1,838	273.5396
123	374	CV	02	591	272.1480
124	308	NB	41	6,486	271.3909
125	840	BG	01	1,138	271.1717
126	994	SP	11	2,024	270.5594
127	203	TB	42	3,766	270.3246
128	181	PI	48	3,638	269.5115
129	553	MP	02	1,529	269.1229
130	1057	LK	01	952	267.1490
131	1255	UN	04	299	265.9294
132	487	BU	03	44	264.5320
133	294	SO	45	5,910	263.1012
134	645	HNY	05	1,375	262.9916
135	251	WA	43	925	261.7381
136	NEW	BV	43	1,122	261.0239
137	197	LK	04	1,861	260.8034
138	161	KG	41	3,568	260.4815
139	1245	SIE	44	5,216	260.3126

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
140	819	LU	45	3,928	260.1381
141	1102	BW	05	943	256.3706
142	211	CS	01	1,753	255.7024
143	1383	WT	05	716	255.6384
144	971	SA	45	4,681	253.5439
145	896	SO	50	5,693	253.1360
146	47	AN	06	1,102	251.9741
147	30	SE	41	2,107	250.1003
148	1030	WO	08	976	249.5589
149	414	AT	43	430	249.4532
150	850	KM	01	1,466	248.5796
151	1230	NB	44	466	247.7083
152	393	KW	45	4,347	247.3229
153	259	UN	02	2,088	245.5891
154	1464	HM	07	1,138	243.4029
155	354	WLO	44	3,556	242.7129
156	1360	UL	48	2,110	241.4494
157	309	ME	02	858	241.3377
158	741	CL	06	653	241.0623
159	457	KG	46	4,584	240.6766
160	371	LP	07	853	240.5474
161	1029	GG	04	1,088	239.7117
162	1091	DN	11	2,150	238.7786
163	231	SE	43	794	238.0229
164	1288	EU	02	95	237.7861
165	592	UL	42	607	237.7370
166	935	RU	05	2,004	237.6719
167	479	WT	08	199	237.5424
168	495	PG	01	340	237.3472
169	265	MB	05	2,074	236.5254
170	1381	JOR	44	1,857	235.7762
171	19	AT	42	3,761	233.4868
172	434	WF	03	1,173	233.2850
173	576	HV	04	1,655	231.8259
174	1136	IND	01	14	231.5000
175	182	KL	50	1,969	231.0548
176	617	MP	03	2,165	230.9031
177	1260	FZ	52	3,885	230.7450
178	486	RT	02	498	230.7172
179	278	EC	07	717	229.9874
180	659	AD	03	761	229.7009
181	774	SR	08	1,063	229.4380
182	52	KG	42	942	228.1995
183	378	CC	03	2,113	227.7675
184	1085	BAR	46	4,692	226.2751
185	116	TB	46	4,109	226.2203
186	90	KL	48	4,097	225.7556
187	49	HM	06	2,853	225.4864

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
188	258	ME	05	1,368	225.4718
189	525	AV	02	1,363	225.3493
190	NEW	FRY	48	2,774	224.6865
191	632	MV	03	828	224.4279
192	676	EC	12	454	223.8974
193	1058	CD	07	1,542	223.1873
194	730	CYF	50	6,143	222.6317
195	669	BL	06	1,160	222.2399
196	184	TB	03	822	221.9662
197	705	KL	49	2,655	219.3581
198	1310	MY	04	1,786	218.5394
199	269	TRN	07	791	216.8351
200	255	HA	05	1,721	216.6845
201	92	SA	41	459	216.4498
202	4	WBY	03	1,774	215.9632
203	37	BA	02	1,279	214.8719
204	915	HA	11	1,549	214.8382
205	193	SA	03	682	214.4380
206	1141	FR	42	3,621	213.6577
207	375	SW	03	1,893	212.6011
208	723	GG	01	1,060	210.7725
209	1258	BT	07	2,284	210.6855
210	311	SF	48	1,098	209.9718
211	1185	AD	04	2,021	209.4376
212	829	RO	42	1,296	209.4137
213	990	KDL	41	3,543	208.5986
214	474	WL	42	1,144	208.5216
215	492	BW	12	602	208.2234
216	891	QV	08	917	208.0704
217	929	CRB	44	2,275	207.6826
218	490	LK	06	1,442	206.9218
219	555	WEB	09	703	206.2208
220	760	HY	11	1,097	205.5112
221	616	EB	06	1,285	205.4632
222	698	ADK	45	1,324	205.3569
223	558	LK	05	883	204.7688
224	793	WI	02	936	204.0054
225	668	ADK	49	1,125	202.7226
226	832	SR	10	1,256	202.6931
227	1023	PW	02	2,027	202.6836
228	546	FL	46	4,448	202.5469
229	1107	AR	43	3,313	202.1547
230	814	HNY	07	588	201.6251
231	488	CYF	49	1,679	201.3500
232	302	LB	04	394	201.1297
233	618	CE	10	1,643	200.1899
234	419	AD	11	1,700	200.0695
235	694	MAR	41	3,309	199.1119

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
236	587	JP	04	27	198.9041
237	1281	BAR	44	4,442	197.8880
238	1414	WEB	01	1,951	197.2594
239	335	ME	03	941	196.7845
240	NEW	GW	03	340	196.7742
241	79	KM	06	1,947	196.6559
242	1016	TWG	45	2,143	196.3247
243	1224	BC	09	564	196.3004
244	44	WD	45	592	196.0764
245	633	UN	10	1,492	196.0163
246	170	THW	48	3,349	195.0347
247	207	BA	43	3,642	194.6870
248	73	AR	42	4,005	194.5985
249	5	BL	05	1,429	194.1119
250	1192	PZ	46	2,149	194.0454
251	647	SP	01	1,280	193.6458
252	532	NP	43	2,661	193.5927
253	547	MC	01	1,621	193.4443
254	643	HM	02	1,901	192.8688
255	784	NV	04	1,625	192.7613
256	198	HL	07	1,899	192.7357
257	742	LU	43	3,474	192.5617
258	310	HA	03	1,564	192.2320
259	204	WT	06	782	192.2183
260	293	UN	09	871	191.5759
261	357	WA	41	180	191.4828
262	256	FT	02	1,119	189.9975
263	174	GG	07	1,435	189.8574
264	1284	IND	04	11	189.7691
265	1073	LK	09	918	188.4046
266	271	AD	07	1,679	188.0809
267	826	KDL	43	4,878	187.9931
268	968	FT	01	318	187.8718
269	1209	GG	05	22	187.2659
270	769	QV	06	930	187.2028
271	651	PE	04	1,744	186.9978
272	890	LB	05	1,713	186.9286
273	1252	FD	11	1,792	186.6829
274	97	DH	04	2,078	186.6183
275	299	DH	10	2,703	186.4073
276	502	HK	45	1,068	186.3983
277	916	NS	05	2,258	186.3326
278	363	RU	01	1,438	186.3057
279	749	WF	48	4,821	186.2379
280	1149	OR	02	399	185.8383
281	NEW	CV	09	1,009	185.7307
282	681	EU	05	1,301	185.2746
283	427	LW	44	2,529	184.1269

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
284	183	PI	42	3,795	184.1251
285	768	HOC	04	1,375	184.1163
286	340	RZ	02	1,769	184.0176
287	339	CE	07	1,710	183.5504
288	1037	LW	47	1,359	183.5462
289	66	BG	09	1,783	183.4400
290	425	CD	10	1,357	183.3633
291	405	CA	05	508	183.2698
292	1413	FW	05	537	182.2489
293	688	AD	08	2,191	182.1937
294	367	WW	02	655	182.0106
295	528	BY	06	2,081	180.1830
296	707	FR	47	4,116	180.0163
297	1044	UN	08	1,327	178.9587
298	986	CB	12	1,606	178.6881
299	447	SF	02	458	178.5826
300	567	BM	04	1,732	178.5323
301	1034	DE	02	994	178.3946
302	292	CD	04	1,402	178.2270
303	531	BR	10	1,242	177.7498
304	1438	UL	15	425	177.5506
305	1182	TE	01	1,574	177.4419
306	936	WO	04	1,660	176.7502
307	275	FP	05	84	176.6086
308	191	LW	45	2,538	176.4540
309	556	HNY	03	823	175.7111
310	905	WW	08	258	175.3829
311	194	SW	08	1,499	175.2472
312	588	LU	41	4,410	175.2021
313	347	TM	04	379	175.0958
314	291	DV	11	1,105	175.0696
315	678	AN	08	852	175.0681
316	725	SW	07	1,830	174.9747
317	541	FD	13	2,560	174.6264
318	431	HM	04	2,036	174.2056
319	290	GE	42	3,363	174.0819
320	811	LM	04	1,281	173.7624
321	317	NM	06	854	172.9294
322	1080	FRY	42	3,946	172.9024
323	600	CRB	42	3,449	172.2912
324	333	AM	02	2,150	172.0728
325	141	OA	07	919	171.3785
326	110	THW	44	3,949	170.9881
327	124	AV	03	855	170.8777
328	1338	WW	09	1,619	170.6544
329	80	BH	06	132	169.3386
330	884	CRB	41	2,530	169.1394
331	646	SH	06	1,077	168.8153

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
332	539	SH	05	1,707	168.7608
333	855	IM	46	1,391	168.4453
334	594	CC	02	1,666	168.4040
335	597	AF	11	2,065	167.7476
336	1392	MAR	51	3,611	167.6411
337	1169	AN	09	1,413	166.5309
338	1010	KG	44	5,173	166.5222
339	295	BR	02	1,048	166.3148
340	323	LU	44	3,217	166.1935
341	821	HG	02	1,265	165.9280
342	472	UN	01	857	165.6822
343	29	WO	14	2,072	165.1580
344	320	PW	04	1,347	165.1473
345	93	LJ	04	1,441	164.1106
346	833	CA	08	969	163.7369
347	759	CE	02	1,356	163.2238
348	498	GP	05	180	163.0593
349	166	BL	08	2,174	163.0587
350	1208	SF	46	2,011	162.8899
351	519	MP	06	364	162.8439
352	1362	WV	01	107	162.3178
353	74	TB	41	5,915	162.2963
354	412	BZ	02	1,488	162.0752
355	228	MU	02	1,355	161.8472
356	615	HR	03	2,408	161.7192
357	1467	WO	07	2,534	161.6746
358	1078	NB	46	2,600	161.3559
359	1096	DE	06	1,153	161.1919
360	327	DR	07	1,475	161.1816
361	195	HK	41	664	161.0602
362	599	FT	10	1,435	160.4999
363	972	QV	02	1,299	160.0817
364	380	CV	10	2,720	159.5083
365	535	BAR	48	4,812	159.3862
366	134	LC	01	263	159.0225
367	976	CYF	41	2,733	158.8803
368	249	LA	02	1,518	158.4999
369	1196	SB	06	1,717	158.4841
370	321	DN	05	253	158.0821
371	264	WF	43	359	157.6389
372	477	SB	04	906	157.3762
373	1447	OB	44	3,688	157.1637
374	426	OA	04	2,178	156.8536
375	1378	CG	05	1,699	156.6899
376	527	AN	03	1,187	156.6593
377	89	TWG	42	5,195	156.3574
378	276	WO	03	1,840	154.7530
379	920	HM	01	2,048	154.4065

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
380	823	HOC	02	1,729	154.2263
381	115	SF	15	733	153.8833
382	938	RU	06	2,129	153.3787
383	154	FP	03	47	152.8219
384	101	BA	42	5,089	152.2371
385	852	KB	09	686	152.1759
386	494	PI	46	3,148	151.8754
387	NEW	AR	45	3,547	151.8544
388	190	FRY	45	386	151.8507
389	869	EC	14	818	151.7564
390	270	WR	11	1,383	151.7267
391	962	TB	02	734	151.7056
392	1307	SP	02	1,879	151.6594
393	1127	RU	02	1,501	151.2252
394	392	EC	11	712	150.7103
395	737	HT	03	419	150.6626
396	453	FP	06	2,553	150.3100
397	1426	PJ	06	1,062	150.2684
398	1382	KT	49	3,542	150.0871
399	1319	SF	07	19	150.0026
400	1349	RE	06	1,869	149.4204
401	636	BY	09	1,453	148.6744
402	1671	TRN	02	678	148.5750
403	163	SF	42	1,773	148.2334
404	230	KL	42	4,255	148.1760
405	483	PW	03	2,509	148.0428
406	933	IM	47	1,332	147.9317
407	549	TWG	41	6,298	147.6857
408	783	QV	07	361	147.5531
409	1152	BAR	47	4,306	147.2887
410	1372	CV	05	1,647	146.9827
411	1406	CR	07	56	146.8339
412	382	GT	12	1,620	146.6580
413	847	BM	03	1,633	146.4856
414	202	FR	43	3,241	146.3233
415	1251	TE	05	1,355	146.2238
416	1219	HA	07	1,727	146.1635
417	1159	UW	02	1,610	146.1271
418	728	RE	03	1,128	146.0498
419	8	LJ	01	1,090	145.5200
420	516	NB	45	1,228	145.4958
421	2	OA	01	703	145.4482
422	543	OA	05	1,721	145.3645
423	1212	RE	05	1,388	145.3110
424	1443	TRN	42	54	145.2520
425	575	SR	15	2,196	144.9924
426	233	AD	06	725	144.0358
427	642	AD	09	2,101	143.7440

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
428	1145	KN	06	2,327	143.7086
429	1139	SP	10	1,398	143.7049
430	430	CD	03	1,430	143.6233
431	440	NS	06	1,612	143.3328
432	657	ME	06	1,135	142.9832
433	1242	JN	11	2,081	142.8751
434	1425	RO	41	3,035	142.7303
435	565	WV	02	744	142.7219
436	35	HX	03	1,119	142.5657
437	1121	PA	03	1,113	142.3841
438	974	WD	48	1,535	142.3652
439	777	HG	04	1,878	142.3199
440	765	LU	04	1,546	142.0776
441	989	AL	07	1,250	141.8968
442	1257	EC	15	1,705	141.6220
443	297	WF	49	4,937	141.1653
444	1359	KM	05	1,472	141.1485
445	966	KG	43	3,074	141.0808
446	644	GP	04	650	141.0214
447	199	TB	47	1,033	140.8544
448	868	SPW	43	3,443	140.4918
449	791	LW	42	1,843	139.6651
450	1122	LJ	08	1,705	139.6632
451	1628	KB	14	18	139.3300
452	1114	MID	01	885	139.2143
453	944	PZ	45	2,184	139.0330
454	1144	IM	41	1,567	138.7306
455	739	KW	46	3,198	138.5511
456	806	WE	04	37	138.5078
457	550	WW	04	900	138.2601
458	NEW	BH	09	1,300	138.0435
459	848	KL	47	3,552	137.8481
460	859	HY	10	1,799	137.3782
461	1220	MB	06	1,092	137.1841
462	369	GW	02	2,188	137.1776
463	776	UW	03	1,133	136.8584
464	318	WEB	05	541	136.6996
465	342	PHR	01	3,023	136.4301
466	1229	KB	17	1,197	136.3782
467	601	ES	04	392	136.2166
468	461	LB	01	1,495	136.1622
469	803	DV	06	1,963	135.9979
470	186	ME	04	1,621	135.5816
471	802	LY	49	644	135.2591
472	1235	TRN	01	383	135.2448
473	573	KT	48	3,095	134.2975
474	1286	BZ	05	965	134.1203
475	245	WT	02	2,007	134.0014

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
476	807	DV	02	1,783	133.5524
477	675	JN	09	1,552	133.5521
478	1396	KB	21	1,144	133.4588
479	331	HM	09	3,073	133.4169
480	53	LA	04	1,463	133.0999
481	608	PA	08	1,186	132.7681
482	130	CD	05	1,791	132.5820
483	1213	SH	03	2,271	132.5773
484	785	CL	05	1,126	132.3905
485	501	WR	10	1,785	131.8822
486	410	NM	04	1,175	131.4837
487	809	HE	08	1,804	131.2244
488	963	PJ	01	413	131.1700
489	27	BL	10	1,481	130.7575
490	1428	WI	06	1,047	130.4624
491	843	UN	11	844	130.4102
492	1118	BI	02	1,437	129.9699
493	226	FT	08	1,130	129.9698
494	1070	JN	02	1,687	129.9177
495	281	WT	04	602	129.8770
496	672	CD	11	1,136	129.5254
497	702	MAR	43	1,917	129.5013
498	634	THW	45	4,312	129.3718
499	908	GL	07	2,349	129.1987
500	1113	SIE	43	4,827	129.1958
501	1250	RA	43	968	129.1734
502	365	CL	07	991	129.0204
503	205	AL	10	2,099	128.9012
504	423	WL	41	1,185	128.8836
505	172	JP	02	63	128.5649
506	625	HB	43	2,757	128.4280
507	232	LW	41	4,264	128.3923
508	1351	SF	47	1,062	128.3587
509	1026	HB	47	1,470	128.2912
510	346	HK	44	1,134	127.5218
511	1087	SH	12	804	127.2130
512	274	MC	05	2,070	126.9880
513	837	IT	42	84	126.8569
514	756	SA	54	2,887	126.5495
515	376	STF	41	1,011	126.4856
516	107	THW	41	4,268	126.0705
517	511	SO	44	2,130	125.9855
518	40	HV	03	924	125.3491
519	665	CA	01	955	125.2349
520	951	SA	52	5,164	124.9083
521	1024	DH	09	1,242	124.8798
522	1036	ST	03	929	124.8458
523	473	MB	02	32	124.6525

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
524	1267	HA	01	1,620	124.6144
525	409	HE	07	1,719	124.5955
526	1133	WO	05	1,402	124.3722
527	257	BA	03	1,138	124.3703
528	471	PE	01	2,996	124.2491
529	563	SE	04	744	124.1468
530	656	FD	16	1,239	124.0373
531	1303	HY	02	1,707	123.8213
532	710	LA	01	1,524	123.7873
533	415	WI	05	789	123.5677
534	146	GV	02	1,744	123.3664
535	1116	TB	48	3,835	123.2945
536	761	BY	08	1,656	123.1563
537	1049	GA	06	996	123.1287
538	1253	NM	02	2,557	123.1189
539	985	SC	04	331	123.1115
540	322	FM	02	189	122.9880
541	800	WT	01	1,220	122.7402
542	1409	PJ	05	697	122.6576
543	219	BT	05	2,100	122.3893
544	467	CV	07	1,801	122.2607
545	1108	HL	04	315	122.2330
546	260	BI	07	1,136	122.2254
547	988	LJ	09	3,223	121.9654
548	655	TWG	44	5,579	121.7588
549	842	AL	08	1,291	121.3597
550	1063	DE	01	1,269	121.2104
551	61	DA	05	710	121.1191
552	1178	ED	04	1,899	120.8995
553	470	LB	06	140	120.7376
554	337	TB	44	1,559	120.5730
555	1323	DV	08	877	120.2297
556	16	FD	01	1,632	120.1884
557	7	UN	05	1,053	119.9150
558	781	AM	04	2,424	119.8930
559	1236	LY	47	660	119.8591
560	386	AL	06	1,204	119.7694
561	122	HY	13	717	119.6993
562	263	SPW	49	4,920	119.3788
563	1084	PA	01	2,533	118.9876
564	466	BAR	42	4,425	118.9250
565	507	KI	41	2,234	118.5096
566	408	WO	10	558	118.2889
567	201	GV	03	1,223	117.8312
568	475	HB	51	3,976	117.5637
569	772	PE	06	1,642	117.4372
570	518	WT	07	1,196	117.3861
571	538	CE	09	1,281	117.1291

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
572	397	GG	03	2,505	117.1108
573	720	BA	45	3,667	116.9409
574	435	NM	05	2,952	116.8156
575	NEW	QV	10	898	116.6415
576	456	GV	05	400	116.6125
577	493	HY	08	1,436	116.2980
578	1175	GZ	48	1,547	116.2801
579	149	GP	06	1,358	116.0728
580	1248	RE	02	1,150	116.0425
581	712	HB	45	4,367	115.9830
582	983	AD	05	1,382	115.7277
583	1001	JP	07	1,075	115.6651
584	747	PE	03	243	115.6535
585	253	BR	12	1,506	115.4784
586	1358	JN	06	2,521	115.4780
587	689	HY	09	1,300	115.3147
588	1324	CA	02	1,636	115.2591
589	175	CL	03	1,454	115.2271
590	622	LC	02	236	115.2192
591	143	TO	03	408	115.2062
592	524	WE	06	557	114.8892
593	941	DH	05	1,287	114.5379
594	200	BE	01	2,134	114.5254
595	301	HM	05	2,492	114.3941
596	224	WD	47	1,285	114.3398
597	262	WV	03	1,872	114.1601
598	121	FR	44	6,335	113.8306
599	1393	JN	01	1,509	113.6487
600	522	HB	46	4,442	113.1486
601	159	GZ	42	1,379	113.0407
602	1109	KI	43	3,030	112.9591
603	845	BY	04	1,275	112.4600
604	78	KL	46	2,575	112.3961
605	1546	RE	01	12	112.1000
606	54	HR	01	1,355	111.7086
607	157	TAN	41	556	111.6586
608	779	RA	46	4,425	111.6533
609	584	WO	06	1,210	111.3290
610	879	ES	05	1,682	111.2533
611	1128	KI	46	2,919	111.1851
612	861	HM	08	1,201	111.1665
613	801	HL	06	1,605	111.1137
614	816	RZ	03	1,194	110.9021
615	280	WR	13	1,274	110.7847
616	82	CS	03	1,777	110.7333
617	341	KM	02	1,560	110.7144
618	871	CK	03	1,269	110.7074
619	604	CD	09	1,768	110.4512

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
620	1120	LU	42	2,923	110.2993
621	370	BH	08	2,697	110.0869
622	677	EC	04	1,708	110.0539
623	1450	HP	04	2,123	109.9903
624	913	CV	03	940	109.7702
625	NEW	SIE	47	809	109.7437
626	1679	WLO	47	12	109.7000
627	1256	SO	48	3,176	109.3788
628	1123	TE	04	550	109.2601
629	1274	HE	03	1,566	109.0819
630	1176	KL	41	3,023	108.9275
631	982	TIK	01	1,090	108.7612
632	396	SB	05	1,247	108.4843
633	332	DH	06	1,132	107.8074
634	234	THW	42	2,701	107.7393
635	955	KL	44	5,272	107.6845
636	674	SH	07	874	107.5220
637	975	SCW	02	563	107.4371
638	463	WZ	45	3,904	107.3679
639	395	KW	42	4,440	107.3319
640	1156	DE	03	160	107.2473
641	545	BT	01	1,068	106.5454
642	1005	TO	10	2,156	106.1305
643	876	QV	03	1,011	106.1264
644	796	GL	10	1,141	106.0274
645	1065	WT	12	731	105.6597
646	15	SF	03	713	105.4222
647	171	QV	01	1,425	105.3925
648	1211	CV	11	893	105.1825
649	1131	BAR	41	6,839	105.1413
650	18	GZ	44	3,089	105.1292
651	399	HA	08	1,589	105.1017
652	544	TB	43	1,723	105.0016
653	520	UW	04	708	104.8751
654	780	ADK	42	711	104.8051
655	939	ST	10	618	104.2828
656	1268	SP	05	1,972	104.1091
657	1277	HA	04	1,457	103.6889
658	1465	WEB	07	122	103.6726
659	1446	WI	45	2,940	103.5245
660	1025	DR	04	1,797	103.5154
661	775	GA	03	462	103.2681
662	1369	JN	05	1,620	103.1026
663	654	LJ	05	785	102.7323
664	439	GG	10	1,900	102.5040
665	32	OR	03	742	102.4024
666	1290	STF	43	1,170	102.3949
667	934	SPW	42	2,144	102.3714

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
668	1259	HT	07	974	102.2239
669	272	SA	01	1,039	102.0998
670	942	KB	02	827	102.0133
671	NEW	QV	09	1,078	101.7215
672	229	NS	01	1,954	101.6540
673	17	LB	02	1,883	101.4508
674	444	THW	46	4,666	101.1982
675	752	SE	01	901	101.1977
676	1188	WF	41	3,111	100.7580
677	209	GL	08	1,092	100.7005
678	11	FM	03	303	100.5102
679	1458	DV	10	1,311	100.4343
680	750	NS	04	1,669	100.0350
681	28	UV	06	1,640	100.0309
682	754	PA	02	1,626	100.0159
683	13	BU	01	952	99.9360
684	909	UW	06	226	99.8497
685	1238	HL	05	909	99.6782
686	476	BL	04	2,149	99.4260
687	215	CB	08	901	99.0672
688	179	SB	01	2,242	99.0490
689	648	AL	11	1,592	98.9651
690	NEW	AI	10	41	98.9163
691	671	RU	03	1,468	98.4498
692	1226	OB	43	4,476	98.2063
693	1163	CK	01	912	97.9786
694	388	ME	01	1,622	97.9265
695	1635	OB	41	3,068	97.8784
696	96	DA	04	847	97.6252
697	828	BR	03	2,029	97.3876
698	360	WF	42	3,681	97.1939
699	NEW	HP	07	2,281	96.7272
700	530	WEB	02	428	96.7129
701	1079	LA	03	1,621	96.5561
702	400	SW	10	1,204	96.4459
703	168	LP	05	496	96.1084
704	104	HOC	07	1,678	96.0614
705	663	WZ	46	3,760	95.9780
706	1377	CB	03	849	95.7780
707	554	FZ	41	5,424	95.6375
708	1115	CG	03	975	94.8066
709	305	ES	03	1,624	94.6751
710	1448	WZ	42	705	94.5313
711	1344	RA	45	2,555	94.5131
712	812	BI	45	2,932	93.7389
713	1401	SDY	04	397	93.6317
714	926	BR	04	895	93.0851
715	411	TWG	43	3,154	93.0399

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
716	606	GA	10	800	92.4731
717	1350	JN	07	1,667	92.4227
718	831	BE	02	1,725	92.1279
719	798	SO	49	6,053	91.6316
720	1042	AE	05	312	91.6026
721	662	GV	06	1,481	91.2891
722	758	SF	14	337	91.1160
723	1301	FT	07	1,631	91.0648
724	1289	BL	07	1,044	90.9585
725	1189	EL	08	436	90.8569
726	436	WI	07	1,307	90.6815
727	133	FR	46	3,864	90.5189
728	670	CV	08	1,864	90.3017
729	349	BG	04	865	90.2092
730	138	CD	12	1,419	90.1702
731	NEW	VCR	42	4,477	90.0443
732	1498	BZ	07	344	89.5278
733	1329	FW	03	2,076	89.0941
734	1416	MAR	49	2,864	88.9648
735	83	BE	03	1,592	88.8832
736	131	BR	01	722	88.8243
737	813	PI	44	4,010	88.7575
738	298	PHR	02	1,841	88.3849
739	1045	PO	05	1,187	88.1228
740	244	MV	02	739	87.9880
741	213	BH	07	595	87.9443
742	212	DH	03	57	87.9311
743	1097	PA	09	1,106	87.4492
744	437	MP	05	1,822	87.3158
745	325	MY	07	1,079	87.1911
746	1202	GE	45	4,923	86.9351
747	914	BA	04	1,268	86.9227
748	874	PZ	44	5,116	86.6936
749	348	LP	02	1,904	86.6746
750	315	MB	03	1,766	86.6035
751	485	RU	04	1,448	86.6014
752	314	LM	03	839	86.3543
753	132	BL	02	1,592	86.3263
754	144	GE	43	6,610	86.2013
755	872	BAR	45	2,737	85.6456
756	699	AN	10	1,498	85.6145
757	239	KT	45	3,475	85.5899
758	572	TO	06	797	85.5744
759	345	WO	02	1,847	85.5318
760	726	KB	07	683	85.4343
761	1440	CL	08	60	85.4333
762	897	BY	02	1,508	85.3118
763	797	UV	05	1,246	85.2698

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
764	64	GN	06	854	85.2628
765	1100	DE	08	458	84.9805
766	1039	HK	42	3,026	84.5284
767	1454	KB	10	859	84.2614
768	1261	PA	05	2,899	84.1950
769	71	IM	44	2,945	84.1800
770	1341	ST	15	812	84.1589
771	1056	DN	10	1,414	84.0040
772	526	KI	48	2,910	83.6774
773	987	BW	01	44	83.6750
774	825	UV	03	727	83.5190
775	1343	IM	43	2,816	83.2114
776	770	GL	05	1,437	83.1634
777	362	PA	04	2,220	83.0260
778	635	NV	01	1,134	82.9760
779	589	FD	05	1,532	82.8668
780	1469	BM	07	429	82.6954
781	593	UL	03	507	82.2004
782	683	KI	49	2,857	82.0785
783	103	AN	05	1,680	82.0362
784	225	BAR	43	5,307	81.8906
785	1130	WEB	03	1,795	81.8144
786	355	HX	01	1,225	81.3952
787	717	FT	05	1,294	81.2563
788	693	RE	04	1,472	80.9731
789	62	DN	01	860	80.9448
790	1453	LY	42	41	80.7878
791	300	PI	47	3,707	80.7272
792	1483	WD	46	1,252	80.4586
793	804	UL	45	3,188	80.4526
794	595	LY	48	2,361	79.9998
795	106	WE	01	162	79.8979
796	860	LK	02	2,172	79.5834
797	736	BE	04	1,902	79.4442
798	867	SB	03	1,550	79.2795
799	1197	PO	04	1,134	79.2729
800	1320	BW	09	30	79.1333
801	1072	HT	08	956	78.9970
802	1068	EB	07	725	78.6979
803	10	NEW	03	839	78.3930
804	1126	HY	05	1,476	78.3194
805	751	GN	10	1,693	78.2381
806	1142	LK	07	1,232	78.1690
807	1154	DN	06	1,319	78.1103
808	788	GE	47	3,842	77.8967
809	464	SPW	52	5,346	77.7367
810	1214	FD	03	1,023	77.5863
811	1421	EC	13	319	77.4358

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
812	887	CYF	46	1,859	77.4014
813	1207	BR	14	549	77.2471
814	961	SE	03	852	77.2135
815	704	WR	09	1,774	77.0761
816	515	HY	06	2,551	76.9884
817	312	BG	02	2,340	76.9052
818	1158	TE	10	435	76.4772
819	1391	KB	04	976	76.0598
820	77	TAN	44	734	75.9867
821	1117	HY	07	990	75.8485
822	1146	AF	05	1,600	75.8439
823	1481	BM	02	67	75.8287
824	505	GR	01	23	75.6570
825	1054	HOC	01	1,091	75.5764
826	105	HY	12	980	75.3921
827	900	SF	13	267	75.3396
828	63	LY	44	921	75.2696
829	733	TE	03	1,341	75.2236
830	NEW	SIE	46	3,328	75.1534
831	1370	ES	01	877	75.0102
832	72	VL	02	801	74.9978
833	509	LJ	07	2,423	74.6858
834	1105	PA	06	1,970	74.6715
835	112	ES	02	922	74.3374
836	1216	FD	06	2,447	74.2536
837	364	BA	46	3,255	74.2133
838	51	CV	04	1,356	74.1685
839	773	AD	10	536	74.0588
840	548	KT	44	2,874	73.9955
841	1442	MC	03	814	73.9822
842	619	GT	03	2,800	73.6985
843	267	WT	11	347	73.6584
844	1168	FD	14	2,409	73.4792
845	1537	ME	08	30	73.3087
846	1147	FD	10	2,129	73.1203
847	227	STW	01	1,191	72.9872
848	925	JOR	42	50	72.7490
849	150	BZ	06	2,214	72.3336
850	287	LV	01	896	72.1305
851	1050	GT	13	1,176	72.0883
852	358	HB	49	3,172	72.0790
853	1074	MY	03	1,530	72.0418
854	1090	ST	04	1,413	71.8787
855	901	RS	02	1,603	71.7648
856	745	AN	01	867	71.5919
857	1494	SF	12	457	71.4085
858	1162	CK	02	978	71.2160
859	420	NEW	01	711	71.0022

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
860	1376	CRB	43	6,144	70.8353
861	836	SF	41	1,344	70.5014
862	1086	SH	11	1,681	70.4978
863	34	AR	44	3,036	70.4624
864	873	MP	08	1,839	70.3853
865	45	WF	05	1,299	70.3681
866	928	EC	06	592	70.2746
867	817	GZ	43	2,972	70.2685
868	167	VVV	10	1,953	70.2574
869	1125	HE	15	1,636	70.2558
870	790	MC	06	855	70.1142
871	1365	SC	05	30	70.0943
872	537	ES	07	347	70.0685
873	1292	RE	07	1,395	69.8322
874	1221	UL	47	2,910	69.7885
875	953	ED	02	1,507	69.6807
876	1239	SA	48	532	69.4051
877	684	ME	07	1,383	69.2173
878	1157	MY	08	1,545	69.0480
879	1373	HOC	06	758	68.8723
880	6	WR	12	1,620	68.8611
881	1186	CV	06	1,281	68.7319
882	459	HV	07	1,467	68.7044
883	1200	RS	06	51	68.5763
884	877	STF	02	425	68.5499
885	1201	BW	04	11	68.4109
886	886	MP	01	2,646	68.2810
887	738	DR	08	1,135	68.2666
888	373	TRN	05	1,770	68.2289
889	1472	EU	10	968	67.9865
890	NEW	PE	07	1,610	67.6933
891	1064	LK	08	1,488	67.5762
892	129	BA	41	4,224	67.4552
893	379	IND	02	24	67.3742
894	1006	KB	01	1,445	67.2715
895	824	WZ	47	4,000	66.9118
896	911	WO	01	1,286	66.9037
897	85	CG	06	1,865	66.5722
898	523	HB	50	3,487	66.5240
899	1061	FD	09	2,562	66.4523
900	562	FD	07	966	66.4254
901	173	HV	02	280	66.2706
902	580	CR	03	2,085	66.2381
903	1181	SP	03	1,524	66.0708
904	960	ST	06	995	66.0062
905	177	LJ	06	822	65.7976
906	922	MU	01	1,316	65.7085
907	128	WBY	01	423	65.5096

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
908	469	STW	03	2,283	65.4648
909	661	FP	07	1,451	65.2005
910	1048	CD	01	890	65.1883
911	992	BR	13	729	65.0661
912	893	ES	08	647	65.0417
913	1112	SW	05	539	65.0078
914	25	CA	06	885	64.8835
915	67	BV	42	2,647	64.8652
916	119	AI	08	51	64.6125
917	1204	MAR	48	2,933	64.2007
918	875	SE	02	1,373	64.1031
919	1020	TO	09	1,241	63.9185
920	465	BM	01	691	63.7509
921	626	WT	10	301	63.7419
922	517	BI	05	671	63.4871
923	1052	KI	45	3,077	63.3764
924	1304	SP	08	1,360	63.3644
925	586	CB	11	2,445	63.2930
926	1449	STF	01	684	63.0235
927	904	SH	01	1,399	62.8712
928	919	CG	01	553	62.7536
929	455	UV	08	521	62.6512
930	506	EL	02	46	62.6146
931	1203	MP	10	1,056	62.3652
932	361	HT	02	3,378	62.1143
933	503	DR	01	1,579	62.0710
934	1177	RE	09	199	61.9080
935	60	FR	45	3,214	61.8670
936	390	NV	03	1,565	61.6539
937	384	BL	03	1,615	61.6440
938	223	DV	05	1,465	61.6405
939	148	DL	45	5,374	61.5885
940	385	KDL	45	4,462	61.4844
941	623	WEB	12	579	61.2267
942	416	OA	06	1,434	61.2247
943	288	SR	03	1,267	61.0719
944	136	CR	06	1,590	61.0450
945	1309	PW	01	1,459	60.9493
946	552	KI	44	3,778	60.9279
947	1404	FW	04	1,985	60.9215
948	404	AN	02	2,475	60.5040
949	482	PE	05	729	60.3348
950	1237	FL	48	3,781	60.3052
951	1161	KB	03	1,167	60.2122
952	139	BI	41	2,717	60.1671
953	1210	SO	42	675	60.1211
954	286	BY	03	1,594	59.9516
955	870	BG	06	1,639	59.9433

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
956	578	LW	43	1,809	59.8282
957	907	BI	43	3,379	59.7932
958	1071	GV	07	557	59.5662
959	1495	GP	03	66	59.5009
960	480	THW	49	1,686	59.4276
961	1038	ADK	43	645	59.2247
962	978	SIE	41	725	59.1723
963	582	DH	02	1,125	59.0933
964	542	DL	42	1,686	59.0881
965	721	AR	47	3,522	59.0081
966	638	DH	07	1,592	58.7134
967	667	RS	03	1,354	58.4071
968	1466	GT	01	772	58.2952
969	273	WE	03	155	58.1801
970	612	FD	04	1,139	57.8612
971	1062	LW	46	4,569	57.7990
972	1155	MAR	44	3,336	57.7708
973	1439	KDL	47	2,086	57.6663
974	866	CB	07	1,957	57.5672
975	603	KT	42	3,896	57.5394
976	1017	KN	01	1,115	57.5202
977	433	WE	02	732	57.5147
978	984	BT	04	1,778	57.3324
979	1328	FL	41	4,868	57.2916
980	451	RA	42	3,423	57.2428
981	1059	WI	01	2,299	57.2070
982	1287	VVV	07	1,978	57.0582
983	330	BY	07	1,271	57.0572
984	1475	HNY	04	907	56.9598
985	977	RA	44	5,386	56.9137
986	1492	GN	12	454	56.7418
987	95	STW	05	887	56.7409
988	621	FR	48	3,147	56.6735
989	715	STW	04	868	56.1847
990	1474	KN	03	556	55.7978
991	428	AF	04	1,602	55.6282
992	727	ME	11	818	55.6232
993	1081	FT	04	1,722	55.0572
994	1398	RS	08	453	54.9477
995	679	ES	06	2,022	54.9295
996	1104	GL	09	1,984	54.8812
997	686	FRY	41	3,947	54.7935
998	1331	KB	06	1,297	54.7683
999	1312	CK	04	1,354	54.7672
1000	491	TV	01	978	54.5675
1001	1367	CK	06	759	53.9625
1002	1225	MAR	47	3,011	53.9468
1003	1294	CG	02	1,918	53.9434

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1004	746	TO	01	1,967	53.8819
1005	695	AF	06	2,341	53.8315
1006	551	BZ	04	319	53.7360
1007	652	TO	11	1,346	53.6635
1008	685	HR	02	1,095	53.5968
1009	353	MAR	50	3,635	53.4135
1010	666	UV	01	1,170	53.0884
1011	764	KB	12	1,061	52.9872
1012	658	CG	04	1,602	52.9037
1013	569	VL	06	422	52.8937
1014	997	HX	02	928	52.7723
1015	810	CYF	43	2,078	52.4468
1016	266	SF	09	28	52.4386
1017	366	SH	04	2,147	52.1693
1018	208	LU	02	1,060	52.1626
1019	221	OB	46	7,457	52.1059
1020	454	FT	09	1,438	52.0631
1021	1138	FW	01	782	52.0145
1022	1040	BH	04	529	52.0088
1023	958	MV	01	846	51.9089
1024	1311	DL	43	2,899	51.8097
1025	1151	UL	02	1,129	51.4994
1026	744	GP	08	1,391	51.4563
1027	22	BV	41	3,433	51.3712
1028	21	VL	07	235	51.2589
1029	969	BI	46	1,221	51.0797
1030	1003	TB	06	1,142	51.0138
1031	1278	SO	43	3,658	50.9505
1032	1330	HOC	05	947	50.8544
1033	1352	GT	06	649	50.8300
1034	1095	IND	03	23	50.7370
1035	1099	UW	05	999	50.7147
1036	1103	WI	04	2,385	50.6666
1037	158	WLO	42	2,985	50.5496
1038	607	BA	01	853	50.5159
1039	98	WBY	02	1,160	50.4727
1040	1339	HE	09	1,822	50.3979
1041	1011	GZ	41	4,321	50.2967
1042	1403	HE	06	1,401	50.2675
1043	1502	FAN	48	1,305	50.2276
1044	1348	PO	09	2,326	50.2138
1045	1160	KI	47	3,486	50.2031
1046	653	CR	04	1,991	50.0402
1047	614	IR	02	1,069	49.9870
1048	237	SW	06	931	49.9789
1049	888	SPW	41	4,525	49.8367
1050	176	CYF	47	4,366	49.7582
1051	734	TO	05	1,313	49.7455

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1052	851	KL	43	2,682	49.5932
1053	808	DV	01	583	49.5544
1054	240	SIE	45	1,927	49.3158
1055	557	STW	02	1,370	49.2529
1056	529	IND	06	19	49.1542
1057	1423	WE	07	33	49.0455
1058	1014	JP	03	37	48.9770
1059	564	DH	01	3,112	48.9640
1060	748	WR	14	308	48.9524
1061	1455	WEB	08	823	48.9091
1062	898	RO	44	1,837	48.8631
1063	381	IR	03	1,745	48.6232
1064	109	AI	07	54	48.5867
1065	834	HOC	09	1,897	48.5545
1066	881	UL	09	573	48.3533
1067	1191	AM	05	1,636	48.1812
1068	766	BY	05	1,580	48.1520
1069	1135	CD	08	1,793	48.0582
1070	718	BG	03	1,587	48.0324
1071	185	NB	42	314	47.9020
1072	442	SR	09	931	47.7724
1073	611	DR	09	290	47.7119
1074	591	UL	04	1,270	47.6532
1075	402	CD	06	602	47.5621
1076	795	GT	04	1,295	47.5492
1077	1374	RS	01	843	47.5186
1078	389	HT	01	2,878	47.4235
1079	628	KN	05	2,095	47.2782
1080	424	SB	08	832	47.2381
1081	1279	EL	05	647	47.1578
1082	540	SP	04	570	47.0029
1083	152	STF	06	491	46.9518
1084	1321	NB	43	5,106	46.9392
1085	571	SP	09	2,756	46.8781
1086	906	RO	05	1,011	46.7662
1087	613	PZ	42	3,071	46.7360
1088	1375	SC	03	49	46.6367
1089	153	ED	06	2,331	46.4704
1090	222	TV	03	1,451	46.3175
1091	1427	PO	03	772	46.2104
1092	313	WLO	41	4,328	45.6964
1093	499	PHR	03	1,174	45.6514
1094	521	LK	03	1,127	45.5729
1095	631	AL	09	1,929	45.5442
1096	1223	SR	06	1,231	45.3745
1097	1002	SR	16	86	45.0433
1098	696	PE	02	1,609	45.0256
1099	377	CV	01	2,258	44.8936

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1100	316	DH	08	1,996	44.7253
1101	805	ED	07	1,063	44.4844
1102	1434	MP	09	10	44.4670
1103	967	ADK	41	105	44.4182
1104	1346	SO	46	3,922	44.2733
1105	510	KN	02	1,420	44.1859
1106	1270	SA	42	895	44.1746
1107	328	GZ	46	3,160	43.8310
1108	1295	STF	05	1,599	43.8152
1109	1215	MB	04	45	43.7853
1110	220	LY	41	516	43.7426
1111	372	BW	07	2,529	43.6961
1112	1293	LU	01	735	43.4165
1113	771	HR	04	2,224	43.3251
1114	1408	EL	06	311	43.2162
1115	123	DL	41	2,774	43.2085
1116	830	CB	02	1,104	43.0812
1117	692	VL	01	904	42.9431
1118	1298	SA	43	4,852	42.9240
1119	924	JOR	41	305	42.7937
1120	235	BR	09	839	42.7913
1121	126	EC	02	1,746	42.7534
1122	1035	ST	02	1,465	42.5294
1123	995	SA	44	1,012	42.4444
1124	701	ME	10	647	42.4079
1125	1395	HE	11	1,706	42.3925
1126	326	WZ	43	1,655	42.0528
1127	1354	ST	12	865	41.9700
1128	100	LJ	03	874	41.7527
1129	296	TV	05	82	41.6970
1130	156	AF	07	1,476	41.6370
1131	1088	HB	44	3,031	41.1866
1132	732	GG	09	1,959	41.1002
1133	120	LP	08	1,381	41.0650
1134	429	CB	06	918	40.9200
1135	559	ST	09	1,106	40.8463
1136	1047	FL	47	4,116	40.8209
1137	952	BG	07	1,484	40.7327
1138	277	LV	02	787	40.7311
1139	1153	KI	42	4,505	40.6486
1140	125	AL	05	820	40.6147
1141	857	GE	49	5,838	40.2922
1142	14	TV	04	1,237	39.7517
1143	789	BC	08	1,646	39.6927
1144	307	MDY	03	1,914	39.6818
1145	1456	MY	09	208	39.5687
1146	1167	FD	15	762	39.3550
1147	844	CE	08	1,873	39.2572

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1148	1012	SH	08	1,466	39.1759
1149	443	SR	05	600	39.1462
1150	1032	DE	07	1,260	39.0671
1151	792	CRB	47	1,259	38.9613
1152	596	AF	10	1,063	38.9059
1153	1173	FT	06	2,177	38.8195
1154	1353	JN	03	1,760	38.6773
1155	1075	HE	02	1,678	38.6077
1156	55	CB	01	1,548	38.6019
1157	882	SP	06	1,926	38.5412
1158	196	THW	43	1,874	38.5173
1159	981	CR	05	939	38.2352
1160	1027	WE	08	1,394	38.2111
1161	1148	OB	42	2,641	38.1509
1162	1282	ST	13	1,619	38.0304
1163	682	EU	11	1,278	37.9939
1164	9	SA	47	1,032	37.9897
1165	664	DA	06	442	37.9835
1166	743	EC	03	535	37.9161
1167	1424	GE	48	4,187	37.8493
1168	1150	AF	02	1,565	37.8466
1169	996	WF	46	6,775	37.7927
1170	1041	LP	06	183	37.4798
1171	350	CC	01	1,608	37.4166
1172	445	OA	02	559	37.0256
1173	970	PO	07	655	37.0113
1174	767	HY	03	1,017	36.9553
1175	70	EU	03	2,924	36.9526
1176	1194	AI	05	71	36.9141
1177	151	HL	02	1,184	36.9076
1178	1300	WI	44	5,009	36.8945
1179	641	MAR	42	3,217	36.8721
1180	1419	WI	41	3,889	36.7306
1181	1094	DR	02	2,446	36.5197
1182	629	NS	03	1,126	36.4800
1183	1174	FZ	42	5,010	36.3871
1184	1119	STF	04	859	36.3809
1185	1015	CB	09	1,798	36.2426
1186	1411	HNY	01	1,750	36.1368
1187	1022	HE	01	1,425	36.0138
1188	660	GS	22	1,711	35.9594
1189	1305	KT	50	2,595	35.9439
1190	NEW	HP	08	607	35.7774
1191	714	HG	06	375	35.7267
1192	1170	FL	44	3,507	35.6811
1193	755	FZ	46	3,417	35.6705
1194	999	EC	05	711	35.5589
1195	609	ST	05	1,045	35.4781

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1196	640	ME	09	1,518	35.4192
1197	878	IM	45	3,269	35.3985
1198	858	SCW	01	1,926	35.2469
1199	729	GA	07	1,788	35.1675
1200	1399	KM	03	131	35.1555
1201	560	SH	02	1,422	35.1538
1202	786	CE	04	1,465	35.1344
1203	950	GT	09	1,142	34.9923
1204	1043	TO	07	1,325	34.6392
1205	1106	LM	02	828	34.2788
1206	441	MDY	01	1,384	34.1515
1207	1337	BI	09	1,651	34.1407
1208	1195	HG	05	290	34.1206
1209	1164	CE	06	1,907	33.8373
1210	450	PA	07	1,396	33.8309
1211	1269	FL	43	3,401	33.5706
1212	1205	DL	46	2,672	33.5138
1213	236	AN	11	1,513	33.4977
1214	1397	MDY	02	89	33.4180
1215	462	BI	06	1,467	33.3874
1216	1093	AF	08	2,486	33.3847
1217	1490	EU	01	454	33.2916
1218	1334	HT	04	472	32.9989
1219	1254	TE	07	1,365	32.9721
1220	1000	MC	02	600	32.9418
1221	680	HNY	02	437	32.6632
1222	1110	RO	08	1,779	32.6452
1223	649	SR	12	975	32.5624
1224	210	UL	14	864	32.5457
1225	508	AN	07	1,666	32.5211
1226	1	NSH	03	288	32.4661
1227	1193	SH	09	1,517	32.3497
1228	763	HP	03	2,507	32.3207
1229	1206	RS	05	2,010	32.1729
1230	862	DL	44	3,170	32.0481
1231	835	TE	02	538	31.9104
1232	691	KB	13	20	31.8870
1233	533	CYF	42	3,352	31.8033
1234	417	GA	05	758	31.7340
1235	1659	SDY	03	10	31.7280
1236	1067	HM	10	1,124	31.6362
1237	1335	OB	45	2,376	31.3421
1238	24	TAN	46	150	31.3335
1239	1243	BR	11	902	31.2648
1240	75	CE	03	1,943	31.2636
1241	1132	CE	11	2,590	31.1664
1242	1180	AF	03	2,118	31.0992
1243	187	RO	02	2,649	31.0487

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1244	421	SF	05	289	30.9508
1245	504	STF	42	1,455	30.8807
1246	359	KT	43	1,953	30.8754
1247	26	WO	13	493	30.8661
1248	1371	MB	09	1,323	30.8269
1249	344	HV	06	1,291	30.8081
1250	289	RA	41	3,047	30.5690
1251	1271	CL	01	129	30.5187
1252	238	MP	04	1,243	30.5028
1253	283	WEB	06	943	30.3924
1254	1060	SIE	42	3,269	30.1191
1255	1388	RO	43	1,499	29.9815
1256	1299	ED	03	1,568	29.7469
1257	1340	IM	48	2,334	29.7222
1258	39	UL	49	1,215	29.7157
1259	387	KT	41	1,085	29.5726
1260	895	MB	08	1,139	29.5706
1261	56	CB	05	1,758	29.5552
1262	724	GT	10	620	29.4728
1263	841	IR	04	1,180	29.4287
1264	1101	CA	03	2,005	29.3406
1265	180	ST	07	1,222	29.2805
1266	598	NS	02	1,593	29.2441
1267	497	FZ	43	305	29.2044
1268	1249	GG	02	2,493	29.2020
1269	1046	OB	48	4,750	29.0788
1270	1083	LJ	02	1,588	28.5973
1271	1098	IM	49	3,943	28.4590
1272	1355	HL	01	1,337	28.4324
1273	568	RO	01	3,293	28.3988
1274	536	AI	06	106	28.2037
1275	899	GS	09	88	27.8631
1276	188	TRN	03	41	27.7459
1277	937	GL	01	2,096	27.6901
1278	1187	BI	11	188	27.6432
1279	1291	HT	09	548	27.5452
1280	NEW	FRY	49	4,803	27.5151
1281	947	WI	42	4,755	27.5078
1282	1405	MY	06	1,642	27.4812
1283	1302	MY	01	966	27.4017
1284	1018	WI	43	4,472	27.3915
1285	1004	BZ	09	575	27.2943
1286	432	GT	08	1,218	27.2049
1287	782	AF	09	2,053	26.8873
1288	1508	AM	07	29	26.6066
1289	561	DR	12	852	26.3566
1290	1262	HG	03	91	26.2847
1291	304	ADK	47	460	26.0919

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1292	585	CR	01	2,181	26.0877
1293	1491	WEB	10	551	26.0780
1294	921	HE	04	1,702	26.0527
1295	248	SP	07	1,825	26.0391
1296	246	MAR	45	3,171	25.9532
1297	846	WF	47	2,370	25.8979
1298	1460	RO	06	927	25.8717
1299	959	DR	03	2,012	25.8583
1300	1487	MC	08	357	25.8510
1301	343	GS	20	222	25.5050
1302	214	FL	45	4,042	25.4262
1303	1432	KB	05	1,304	25.2536
1304	709	DN	03	2,161	25.0936
1305	889	JP	01	30	25.0703
1306	418	KG	45	3,568	25.0605
1307	903	WW	01	550	24.6596
1308	NEW	VCR	44	2,162	24.5941
1309	946	WF	44	4,769	24.4974
1310	254	GZ	45	5,763	24.4334
1311	1342	HP	02	1,341	24.4142
1312	460	CD	02	1,400	24.3067
1313	NEW	FRY	47	4,597	24.2265
1314	1529	GP	02	30	24.0817
1315	583	IR	06	1,462	24.0614
1316	1137	CE	05	2,267	24.0280
1317	948	MY	11	1,129	23.9862
1318	334	HA	06	1,643	23.9278
1319	1055	FT	03	1,077	23.7881
1320	1347	MAR	46	2,502	23.7019
1321	1172	HP	01	855	23.5567
1322	147	LP	01	57	23.5184
1323	1387	SB	07	1,693	23.2518
1324	1313	FRY	43	4,525	23.0664
1325	250	TV	02	1,081	23.0440
1326	991	WZ	41	5,200	23.0076
1327	1389	PJ	07	245	22.9416
1328	306	MB	10	499	22.8886
1329	753	UV	02	774	22.8057
1330	910	EU	04	267	22.7073
1331	241	FL	49	4,103	22.6731
1332	762	SB	02	1,345	22.6088
1333	1677	WD	44	10	22.4650
1334	1317	BM	06	1,451	22.3196
1335	407	QV	04	989	22.2214
1336	1386	GZ	47	1,066	21.9587
1337	1390	STF	08	257	21.9518
1338	627	PO	01	1,091	21.7767
1339	932	LP	03	409	21.6164

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1340	514	SA	50	808	21.5583
1341	602	GA	09	2,054	21.5438
1342	979	HP	06	585	21.5221
1343	839	FZ	50	3,759	21.4770
1344	927	GP	09	197	21.2915
1345	673	WW	03	1,697	21.2202
1346	1077	FZ	49	3,835	21.1969
1347	822	AM	08	3,461	21.1301
1348	605	BU	02	107	21.1177
1349	740	WO	11	66	21.0202
1350	401	GA	04	1,281	20.9843
1351	853	FZ	48	2,322	20.8852
1352	261	ST	08	632	20.8713
1353	1190	BI	04	589	20.7785
1354	794	TO	02	788	20.6053
1355	1315	HV	05	687	20.5899
1356	818	KB	20	896	20.5741
1357	1124	SC	01	22	20.5277
1358	356	CA	07	479	20.4963
1359	1468	ED	08	1,472	20.0548
1360	1246	AF	01	2,557	19.9464
1361	NEW	VCR	41	5,207	19.8641
1362	885	RS	04	1,841	19.8443
1363	1129	GA	02	1,904	19.6954
1364	1089	FZ	53	4,604	19.5396
1365	268	TE	06	1,860	19.4780
1366	1462	KM	07	1,527	19.1004
1367	854	DR	06	783	19.0831
1368	1357	PO	06	1,755	18.7811
1369	118	WT	03	553	18.6963
1370	446	CYF	45	3,086	18.6674
1371	1283	KDL	44	2,661	18.6557
1372	NEW	VCR	43	1,763	18.6231
1373	218	DE	05	1,321	18.5007
1374	59	CB	10	1,804	18.4907
1375	1364	BI	03	853	18.4322
1376	1326	BI	08	905	18.4080
1377	1470	GA	01	43	18.2535
1378	352	IR	01	664	18.2530
1379	930	FZ	54	4,278	18.2513
1380	217	GN	09	653	18.2339
1381	351	BH	05	514	18.0042
1382	1266	GE	44	5,911	17.9210
1383	778	DV	07	901	17.8982
1384	1384	BI	42	2,936	17.8393
1385	1345	EL	04	759	17.8196
1386	703	CYF	44	4,473	17.7301
1387	1363	FD	12	1,845	17.6996

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1388	1171	BL	09	1,395	17.6278
1389	639	MY	02	1,306	17.4066
1390	1165	WZ	48	1,051	17.3372
1391	570	FL	42	3,142	17.3256
1392	1452	HK	47	2,968	17.2852
1393	247	KM	04	1,532	17.2678
1394	1478	TE	09	1,026	17.0233
1395	918	IT	41	36	16.8150
1396	1435	WEB	04	636	16.5966
1397	1227	FRY	46	4,833	16.5288
1398	368	JN	08	1,220	16.1099
1399	799	FAN	47	4,468	16.0472
1400	1361	CRB	45	4,816	15.8626
1401	127	HOC	08	1,921	15.8014
1402	102	BZ	08	2,020	15.7349
1403	1051	UW	07	1,968	15.6269
1404	1332	FW	02	517	15.6112
1405	1630	LY	45	1,834	15.5387
1406	1082	SF	01	629	15.4308
1407	1441	HT	05	822	15.3154
1408	1394	HA	02	1,672	15.0995
1409	912	SR	07	79	15.0353
1410	1489	RS	07	254	14.9867
1411	956	NM	03	1,154	14.8168
1412	336	DV	09	2,357	14.8001
1413	1538	OB	49	770	14.7892
1414	1076	SR	01	251	14.5775
1415	711	DE	04	735	14.5533
1416	1222	CL	04	61	14.4777
1417	1265	CK	05	1,373	14.3559
1418	1356	MID	03	1,503	14.1916
1419	489	UV	07	1,551	14.0761
1420	1198	CC	04	1,037	13.8769
1421	1519	FRK	41	14	13.7521
1422	1506	MY	12	902	13.6931
1423	84	WW	05	3,029	13.2604
1424	1140	JN	04	783	13.1334
1425	1247	NV	02	325	13.0846
1426	1444	DN	04	1,956	13.0764
1427	285	CRB	48	6,574	12.8127
1428	1407	AF	12	675	12.7512
1429	973	HG	01	210	12.5848
1430	1461	QV	05	1,125	12.4915
1431	1021	CB	04	1,364	12.4663
1432	1053	ST	11	1,104	12.3570
1433	856	BM	05	349	12.3209
1434	142	RO	04	1,580	12.2479
1435	1276	EU	08	204	12.0181

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1436	722	WLO	43	513	11.9858
1437	1244	EL	09	1,627	11.9067
1438	902	NSH	02	155	11.8599
1439	513	HE	05	1,671	11.6672
1440	1501	WEB	11	1,094	11.5844
1441	1166	UL	16	517	11.5795
1442	46	WD	41	826	11.5609
1443	713	GL	02	100	11.5557
1444	1527	GN	48	13	11.2900
1445	1422	FD	08	2,669	11.0805
1446	1437	SO	41	2,442	10.9106
1447	1306	PO	08	1,841	10.8964
1448	1385	MY	05	592	10.8824
1449	242	EL	10	852	10.7767
1450	1420	CA	04	1,258	10.7693
1451	468	DN	07	1,728	10.6435
1452	1272	KT	47	885	10.5568
1453	1380	HE	10	1,373	10.5162
1454	1296	CR	02	436	10.4469
1455	940	FP	04	20	10.4290
1456	1477	DN	12	688	9.8759
1457	923	ED	01	1,471	9.8711
1458	1536	JOR	43	82	9.7779
1459	1368	BI	44	46	9.7402
1460	1308	RE	08	819	9.6827
1461	1473	BM	08	1,023	9.5802
1462	1228	WT	09	328	9.4399
1463	1459	FD	02	1,886	9.2681
1464	534	WW	06	1,459	9.1979
1465	1179	OB	47	4,514	9.1107
1466	1457	BW	08	19	8.9568
1467	1318	HY	04	1,811	8.7739
1468	1417	KN	04	47	8.5932
1469	1184	RO	07	2,134	8.4599
1470	1240	HE	13	1,976	8.2336
1471	99	CYF	48	2,842	8.1689
1472	945	WO	09	267	8.1478
1473	1463	SF	43	3,738	8.0851
1474	1366	DV	04	941	7.7371
1475	162	EC	09	1,230	7.6988
1476	1507	ADK	46	28	7.6221
1477	1532	GS	02	229	7.3860
1478	1217	GT	05	2,262	7.2592
1479	1379	AI	09	54	7.0270
1480	1263	SH	10	1,100	6.9715
1481	279	BG	05	345	6.8794
1482	1410	FW	06	1,343	6.8590
1483	1233	GA	08	55	6.7298

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1484	1231	HA	09	1,468	6.5851
1485	1400	BL	01	1,121	6.5225
1486	108	AM	03	376	6.4517
1487	36	GR	04	27	6.3611
1488	650	DN	02	1,023	6.3571
1489	338	JN	10	2,825	6.3515
1490	980	KB	19	970	5.8153
1491	12	MP	07	531	5.7790
1492	1430	HE	14	1,605	5.7546
1493	1476	AM	06	1,426	5.4756
1494	1429	ED	05	1,050	5.3068
1495	452	UL	13	3,636	4.8830
1496	1402	HP	05	3,105	4.7040
1497	1327	EU	06	685	4.7017
1498	757	BI	10	15	4.6613
1499	637	WF	01	407	4.6572
1500	1451	DR	05	2,326	4.5992
1501	1638	PK	02	244	4.5805
1502	1316	MC	04	417	4.3801
1503	1493	HNY	06	520	4.3634
1504	943	GL	03	72	3.7251
1505	1482	HE	12	1,196	3.5842
1506	484	LP	04	538	3.5041
1507	1322	CR	08	223	3.3661
1508	137	FRY	44	205	3.3639
1509	1028	JP	05	17	3.3600
1510	1183	EC	10	389	2.9213
1511	1218	DN	08	379	2.7241
1512	1512	DN	09	178	2.4303
1513	1436	EU	12	164	2.0240
1514	1539	PK	04	238	1.8700
1515	1275	HY	01	2,175	1.7648
1516	1232	MID	02	1,464	1.7355
1517	849	KB	11	734	1.7354
1518	1496	MC	07	627	1.6909
1519	880	GS	26	102	1.6517
1520	1418	GN	11	863	1.6476
1521	1484	EC	01	232	1.6041
1522	1541	PK	44	657	1.5232
1523	1325	UV	04	1,027	1.2017
1524	690	HT	06	1,961	0.9475
1525	1534	GS	25	642	0.9439
1526	1314	ST	14	575	0.8523
1527	1412	KB	18	706	0.4821
1528	1497	FAN	46	589	0.4378
1529	1513	DT	19	343	0.2957
1530	1550	UL	41	229	0.2434
1531	1549	SF	45	839	0.2069

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1532	1509	BI	01	358	0.1522
1533	1510	BI	47	688	0.0000
1534	1511	BR	06	13	0.0000
1535	1514	DT	23	25	0.0000
1536	1567	DT	24	11	0.0000
1537	1570	DT	28	44	0.0000
1538	1515	DT	29	10	0.0000
1539	1571	DT	30	12	0.0000
1540	1573	DT	32	22	0.0000
1541	1575	DT	34	15	0.0000
1542	1516	DT	35	28	0.0000
1543	1520	FRK	42	742	0.0000
1544	1522	FRK	46	375	0.0000
1545	1523	FRK	47	337	0.0000
1546	1524	GG	08	14	0.0000
1547	1598	GN	41	10	0.0000
1548	1525	GN	43	367	0.0000
1549	1526	GN	46	14	0.0000
1550	1528	GN	51	12	0.0000
1551	1530	GR	03	17	0.0000
1552	1013	GS	07	286	0.0000
1553	1609	GS	12	21	0.0000
1554	42	GS	14	10	0.0000
1555	1500	GS	23	14	0.0000
1556	1431	GS	29	26	0.0000
1557	1007	GT	02	24	0.0000
1558	1285	HA	10	485	0.0000
1559	716	HG	08	21	0.0000
1560	1535	IT	01	42	0.0000
1561	1479	KB	15	304	0.0000
1562	1637	PK	01	250	0.0000
1563	1503	PK	43	441	0.0000
1564	1542	PK	45	18	0.0000
1565	1543	PK	46	221	0.0000
1566	1544	PK	47	73	0.0000
1567	1645	PK	48	11	0.0000
1568	1545	PK	49	14	0.0000
1569	1486	PK	50	25	0.0000
1570	1504	PZ	47	283	0.0000
1571	1547	SC	02	13	0.0000
1572	1649	SC	06	10	0.0000
1573	1273	SF	08	79	0.0000
1574	192	SF	10	20	0.0000
1575	1548	SF	44	658	0.0000
1576	1488	SPW	44	614	0.0000
1577	1505	SPW	51	140	0.0000
1578	1499	SR	04	127	0.0000
1579	1264	SR	14	802	0.0000

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2018 SAIDI Ranking	2017 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2018 SAIDI Value
1580	1551	WD	42	70	0.0000

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2018 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	16.03%
Vegetation	13.99%
Animals and Birds	7.80%
People (Including cars and farm equip)	1.49%
Utility-owned Equipment	22.76%
Other	18.14%
Unknown	19.81%