



Control Number: 50413



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REGISTRATION CASE #
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Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2019 Reporting Year

Project 50413

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													
2019	1.26	0.08	0.04	0.05	0.21	0.18	0.19	0.10	0.12	0.11	0.08	0.07	0.04
Scheduled													
2019	0.37	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.02	0.03
Outside Causes													
2019	0.11	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.00
Major Events													
2019	0.08	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.02	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													
2019	152.68	8.16	4.22	5.55	31.86	26.06	20.80	10.56	14.06	14.19	8.48	7.34	4.18
Scheduled													
2019	45.31	4.28	3.27	4.20	4.95	4.69	3.50	3.27	3.74	3.85	3.68	2.85	3.77
Outside Causes													
2019	3.08	0.29	0.46	0.06	0.13	0.33	0.74	0.04	0.30	0.28	0.19	0.30	0.09
Major Events													
2019	26.73	0.21	0.00	0.00	1.20	20.09	0.02	0.00	0.00	5.14	0.01	0.00	0.00

Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

1,600

Add or Delete Rows as Necessary

CenterPoint Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1	390	KW	42	4502	7.1179
2	49	KW	44	3547	6.0476
3	411	SPW	43	3058	6.0402
4	11	VL	03	1328	5.6634
5	325	LU	45	4028	5.5333
6	338	CE	09	1282	5.39
7	177	CRB	42	2262	5.3435
8	405	BT	01	1070	5.3056
9	484	CE	02	1484	5.2379
10	1177	LU	02	1059	5.1709
11	655	AD	11	1709	5.0404
12	108	KW	45	4436	4.9711
13	723	FP	06	2195	4.8806
14	95	LK	01	971	4.7848
15	1	WF	45	1320	4.7712
16	984	UV	08	527	4.7495
17	158	HM	01	2056	4.6926
18	45	KG	44	5661	4.6472
19	553	VL	04	2354	4.6151
20	813	SIE	42	2490	4.5659
21	659	AT	41	2520	4.5516
22	392	KW	46	3197	4.4883
23	635	BH	08	2711	4.4238
24	1467	GA	08	55	4.4
25	516	TB	43	1787	4.3531
26	478	LW	42	1862	4.3464
27	681	BAR	42	4427	4.3275
28	132	KL	42	3347	4.2707
29	923	SPW	52	4804	4.2383
30	609	TRN	42	62	4.2097
31	465	WI	05	789	4.1901
32	1450	GL	03	313	4.1853
33	1386	MID	03	1520	4.1553
34	749	FD	01	1641	4.1316
35	694	HV	07	1477	4.1137
36	52	BA	44	3814	4.1093
37	20	KG	41	1150	4.08
38	533	OB	43	4588	4.0595
39	772	KB	02	831	3.9844
40	244	CS	02	1627	3.9803
41	19	SA	49	1519	3.9724
42	615	IM	43	2869	3.8707
43	885	SIE	41	3272	3.8044

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
44	824	BV	42	2974	3.802
45	690	LP	05	1249	3.7878
46	543	AD	04	2018	3.7542
47	348	GV	07	563	3.7442
48	752	EU	10	730	3.7219
49	80	CE	01	1730	3.7202
50	419	TO	06	806	3.7134
51	454	HG	02	1267	3.7064
52	910	WO	02	1894	3.698
53	601	BW	09	45	3.6889
54	74	TRN	04	837	3.6643
55	1018	CYF	46	3221	3.6346
56	278	LP	07	1132	3.6281
57	576	FR	47	4114	3.6193
58	102	WT	06	683	3.6135
59	589	LV	03	758	3.6029
60	97	LK	04	1872	3.594
61	319	MU	02	1004	3.5797
62	14	KW	41	4406	3.5756
63	941	PHR	03	1179	3.5674
64	340	FL	46	4720	3.5169
65	66	SPW	50	5282	3.4968
66	1137	BC	08	1730	3.4948
67	1199	GS	22	1726	3.4473
68	978	UL	48	2111	3.4429
69	789	HL	05	917	3.4231
70	625	WZ	42	708	3.4167
71	955	CB	02	1103	3.4007
72	1114	AM	05	2440	3.3873
73	402	AN	02	2504	3.3786
74	274	BA	42	5093	3.3752
75	168	LK	10	2396	3.3639
76	328	ME	03	941	3.356
77	57	LB	03	406	3.3498
78	1217	DH	07	708	3.3475
79	83	NB	41	6479	3.3385
80	826	KM	02	1533	3.3379
81	840	HOC	01	1093	3.3376
82	718	VL	02	806	3.3362
83	1040	BAR	45	2743	3.335
84	735	KL	46	3726	3.3333
85	602	FP	03	47	3.3191
86	182	AN	09	1508	3.317
87	1164	LJ	02	1620	3.3006
88	142	HB	04	631	3.2789
89	1006	WR	12	1627	3.2754
90	624	OR	03	810	3.2704
91	880	RS	03	825	3.2703

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
92	541	THW	44	3958	3.241
93	1209	CRB	47	3375	3.2394
94	122	WC	01	308	3.2208
95	1290	EU	03	1851	3.2134
96	646	AD	03	767	3.206
97	2	KL	45	3061	3.2048
98	520	MC	05	2070	3.199
99	111	BA	43	3707	3.1972
100	448	GE	45	4978	3.1941
101	499	BAR	44	4442	3.186
102	29	NP	41	2786	3.1802
103	1175	SB	01	2251	3.1737
104	1039	BR	09	859	3.1711
105	394	SF	48	1102	3.167
106	596	BM	01	1728	3.1644
107	1158	ADK	47	458	3.1616
108	1389	FZ	53	4663	3.1295
109	1310	STF	08	199	3.1206
110	863	TB	02	736	3.1182
111	953	MAR	47	3066	3.1158
112	998	RS	08	408	3.1152
113	121	MB	05	2185	3.1108
114	410	WO	04	1717	3.1107
115	264	DL	45	3322	3.0885
116	13	LW	47	1345	3.0714
117	412	SF	42	1777	3.0602
118	1042	DV	01	588	3.0595
119	970	ES	06	2644	3.0533
120	109	PO	02	1112	3.0405
121	252	OA	01	703	3.027
122	193	PW	02	3245	3.0268
123	1160	HE	11	1737	3.0063
124	1264	UL	49	1217	3.0016
125	689	BT	05	2102	2.999
126	932	TE	03	1434	2.9847
127	1498	GT	05	1940	2.9845
128	62	AE	06	956	2.9561
129	889	FD	07	1033	2.9071
130	494	HA	04	1712	2.8832
131	50	WF	48	9554	2.8751
132	565	GL	10	926	2.8467
133	1252	DL	44	3667	2.8429
134	550	LJ	06	756	2.8399
135	763	THW	42	2708	2.8272
136	349	BL	08	1847	2.8197
137	217	MDY	02	91	2.8132
138	979	UW	06	233	2.8069
139	862	BL	02	1534	2.8057

Service Quality Report to the Public Utility Commission of Texas

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
140	756	CS	03	1779	2.8044
141	1471	BL	01	1246	2.7769
142	1168	FZ	46	3462	2.7666
143	26	KG	42	3654	2.7657
144	344	BL	10	629	2.7631
145	1372	EL	09	1625	2.7569
146	693	WR	11	1380	2.7449
147	542	PE	04	1671	2.7361
148	355	SA	52	5170	2.7294
149	1361	KG	45	3706	2.7269
150	751	TO	04	332	2.7139
151	337	PI	41	3601	2.7067
152	900	WBY	01	431	2.6961
153	208	SIE	43	2949	2.6887
154	353	SPW	49	5847	2.6778
155	1258	WO	13	496	2.6734
156	993	RU	04	1630	2.673
157	809	FM	01	378	2.672
158	167	TB	45	2488	2.6684
159	212	AN	10	1513	2.6682
160	719	DV	06	1924	2.6658
161	54	KL	50	4434	2.6534
162	930	FD	16	1236	2.6513
163	534	RO	41	3070	2.6417
164	704	FZ	41	5836	2.6391
165	1353	AI	09	58	2.6379
166	376	LV	01	906	2.6369
167	1135	FT	09	2077	2.6346
168	397	ADK	42	881	2.6266
169	303	WW	02	656	2.6265
170	241	AR	45	4457	2.6132
171	272	NB	46	2605	2.6115
172	512	RZ	02	1820	2.5923
173	605	MP	06	370	2.5811
174	866	PA	04	858	2.5688
175	215	RO	42	1301	2.5657
176	17	BA	47	3281	2.5562
177	1084	SP	09	2772	2.5556
178	847	BL	04	1531	2.5506
179	914	HV	02	284	2.5423
180	1046	GZ	46	1476	2.5285
181	347	HB	47	1464	2.5266
182	153	HB	51	3983	2.521
183	1130	PA	07	1399	2.5175
184	407	WI	45	2940	2.5007
185	279	MV	03	830	2.4988
186	172	LB	04	396	2.4949
187	1004	STW	05	897	2.4716

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
188	796	GP	04	649	2.4653
189	710	HL	06	4048	2.4649
190	523	WF	43	399	2.4637
191	842	STW	01	1205	2.4631
192	179	PI	45	3805	2.4625
193	1462	HK	47	2978	2.458
194	137	JOR	44	3085	2.458
195	67	SIE	44	3917	2.4445
196	134	CV	02	676	2.4438
197	NEW	HV	42	1403	2.4426
198	754	AD	06	728	2.4368
199	794	TWG	43	3209	2.4353
200	143	HM	06	2881	2.4217
201	892	KT	47	893	2.4188
202	1083	CR	04	1990	2.405
203	684	OA	07	919	2.3993
204	936	CA	06	889	2.3982
205	89	KL	49	2596	2.3964
206	75	IM	44	2954	2.3917
207	1241	SA	48	532	2.3891
208	1111	ST	02	1468	2.3726
209	151	NS	05	2213	2.3719
210	201	IM	41	1579	2.3597
211	1009	VL	07	239	2.3556
212	1146	ST	09	1114	2.3555
213	1195	IR	04	1186	2.3491
214	125	GW	06	858	2.3415
215	190	HB	43	2756	2.3414
216	369	BE	01	2166	2.3412
217	1059	GA	05	763	2.3408
218	1385	FL	42	3391	2.3368
219	1179	NB	43	5120	2.3357
220	96	TWG	41	6345	2.3171
221	380	QV	01	1425	2.3165
222	894	CL	07	997	2.3129
223	505	PJ	02	1122	2.3128
224	27	BAR	47	4533	2.3042
225	874	SR	03	1275	2.2957
226	10	WA	42	1254	2.2807
227	1394	DN	04	1927	2.2683
228	954	GZ	41	4416	2.2677
229	858	HOC	09	1754	2.2668
230	489	MAR	43	1915	2.2637
231	377	SF	02	453	2.2472
232	NEW	HA	12	1393	2.2434
233	383	TM	05	33	2.2424
234	769	UW	03	1140	2.2351
235	1157	ST	12	800	2.235

Service Quality Report to the Public Utility Commission of Texas

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
236	229	HB	03	352	2.2216
237	647	KB	09	683	2.2211
238	373	MP	03	2175	2.2175
239	276	ME	04	1626	2.2153
240	311	QV	06	1097	2.2106
241	1063	MAR	42	3220	2.2068
242	904	LC	02	242	2.2066
243	1023	DR	01	1583	2.2047
244	438	BA	41	4231	2.19
245	8	SA	45	4686	2.1833
246	87	PW	08	311	2.1801
247	360	BT	02	2034	2.1721
248	1076	BW	07	2687	2.1652
249	1223	KT	43	1993	2.1651
250	140	OR	02	409	2.1614
251	398	LW	44	2542	2.1542
252	504	JN	11	2085	2.153
253	841	BU	01	939	2.1512
254	1351	GA	07	1799	2.1462
255	1194	SH	02	1428	2.145
256	1355	CB	04	1365	2.1414
257	237	SIE	47	3690	2.1341
258	1326	MAR	46	2505	2.1313
259	72	PI	43	4320	2.1308
260	1025	NS	04	1829	2.1301
261	284	TB	03	823	2.1191
262	582	ES	08	654	2.1162
263	1477	HA	09	1474	2.0929
264	1272	JN	03	1759	2.0915
265	1239	AF	02	1576	2.0882
266	59	KDL	42	3227	2.0858
267	37	HK	46	3783	2.0727
268	104	GV	04	1393	2.0682
269	124	AV	02	1379	2.0674
270	1116	SO	42	676	2.0577
271	839	WT	11	346	2.0549
272	1162	FRY	41	3919	2.0531
273	136	LJ	04	1444	2.0492
274	243	KN	03	606	2.0413
275	819	PI	47	3714	2.0409
276	975	ME	01	1626	2.0351
277	592	FZ	48	2649	2.0234
278	831	LM	03	851	2.0165
279	1248	GG	09	1963	2.0127
280	404	LJ	08	1775	2.0023
281	139	AL	10	2099	1.989
282	557	KDL	45	4644	1.98
283	1526	GS	25	433	1.9792

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
284	623	OB	41	3435	1.9706
285	650	WR	10	1803	1.9695
286	540	OB	44	4104	1.9693
287	315	ST	16	1328	1.9661
288	956	RA	42	4444	1.9617
289	855	RU	03	1902	1.9569
290	521	CRB	43	4512	1.9497
291	300	PA	02	976	1.9109
292	192	OR	41	537	1.9069
293	197	HL	04	544	1.9026
294	44	KL	48	3802	1.9011
295	115	HB	48	2996	1.8979
296	962	IR	02	1070	1.8897
297	1012	AR	44	3211	1.8857
298	232	UN	10	1495	1.8836
299	1106	AF	10	1068	1.8745
300	211	KT	49	3558	1.8738
301	725	PI	46	3261	1.8642
302	1390	LP	01	56	1.8571
303	1278	WT	03	554	1.8538
304	164	FP	05	83	1.8434
305	372	KI	43	3045	1.8407
306	531	BL	05	1752	1.8356
307	149	WBY	03	1812	1.8339
308	728	AF	11	2066	1.8301
309	785	BY	06	2091	1.8235
310	112	BR	08	964	1.8185
311	1515	ST	14	645	1.8109
312	1576	SPW	44	2072	1.8002
313	332	RU	02	1505	1.7973
314	79	KDL	43	4095	1.7956
315	893	HOC	07	1586	1.7951
316	227	AT	42	3799	1.7921
317	1147	HL	02	1817	1.7788
318	546	STF	43	2122	1.778
319	702	TO	10	2154	1.7776
320	865	NEW	03	858	1.7774
321	1322	BU	02	108	1.7685
322	35	KDL	46	2936	1.7537
323	NEW	BU	04	20	1.75
324	551	STF	41	1039	1.7392
325	1186	SR	12	974	1.7341
326	500	SR	06	1259	1.7315
327	517	PI	44	4039	1.7274
328	706	CA	08	953	1.7251
329	811	LJ	07	2470	1.7219
330	1038	RS	05	2075	1.7166
331	805	FD	05	1539	1.716

Service Quality Report to the Public Utility Commission of Texas

CenterPoint Energy

2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
332	1323	HE	01	1439	1.7137
333	952	ST	06	998	1.7084
334	1298	BZ	08	880	1.7011
335	1339	FAN	47	4471	1.6896
336	204	TWG	44	5648	1.6891
337	101	AN	04	1762	1.6844
338	1021	SO	43	4313	1.6828
339	42	HL	03	575	1.6765
340	384	BL	06	1443	1.6757
341	186	EB	05	638	1.6614
342	331	RU	01	1434	1.659
343	666	FT	07	2198	1.6588
344	563	FT	05	981	1.6555
345	972	LK	07	1242	1.6449
346	118	GW	03	342	1.6433
347	1027	NB	42	316	1.6392
348	316	RE	09	948	1.6392
349	363	MC	01	1626	1.6378
350	312	GG	04	1088	1.6314
351	1418	SR	07	78	1.6282
352	1397	GZ	45	5911	1.6258
353	703	HV	03	930	1.6226
354	740	EU	02	589	1.6214
355	716	TB	44	1566	1.6213
356	265	CS	01	1789	1.616
357	697	SW	04	682	1.6144
358	1260	OB	48	4820	1.6133
359	1282	KN	05	2104	1.6065
360	958	FD	03	1028	1.5973
361	803	BR	04	906	1.5971
362	263	CV	10	2731	1.5932
363	231	BAR	41	6852	1.5918
364	1407	WLO	43	3308	1.5816
365	708	GA	03	468	1.5812
366	510	NM	05	2953	1.5743
367	163	KG	46	5268	1.5731
368	209	FR	42	3633	1.5717
369	810	HT	02	3379	1.567
370	957	BI	41	2711	1.5669
371	92	GW	07	1391	1.5665
372	9	WT	05	717	1.5662
373	90	HM	07	1154	1.5659
374	836	BR	01	726	1.5647
375	228	OR	01	48	1.5625
376	727	WR	13	1270	1.5614
377	588	MB	04	890	1.5607
378	275	AL	08	1388	1.5591
379	515	TRN	41	27	1.5556

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
380	528	MAR	50	3644	1.5527
381	364	BC	09	444	1.5495
382	NEW	HV	41	1694	1.549
383	150	TRN	07	806	1.5484
384	945	BH	07	637	1.5479
385	255	UN	09	867	1.5456
386	1196	FZ	42	5151	1.5444
387	859	MU	01	1725	1.5374
388	513	PA	01	2492	1.5341
389	1071	GP	03	66	1.5303
390	343	HNY	05	1376	1.5298
391	141	BT	07	2140	1.529
392	1056	DV	05	1469	1.5276
393	257	BT	06	624	1.5272
394	949	WO	01	1313	1.5263
395	1275	CE	04	1468	1.5252
396	270	SE	41	1915	1.5243
397	299	HK	44	1154	1.5217
398	128	LK	09	934	1.5203
399	203	FW	05	736	1.519
400	110	KL	44	4595	1.5171
401	71	BR	10	1233	1.5158
402	356	HM	09	3135	1.5148
403	352	KL	47	3114	1.5145
404	843	BY	09	1458	1.5123
405	207	NP	43	2698	1.5122
406	1307	RS	07	850	1.5071
407	1095	MY	07	1061	1.5042
408	739	DN	06	1325	1.5011
409	1370	JP	05	18	1.5
410	733	FRY	45	972	1.499
411	816	SE	04	751	1.4967
412	12	AD	02	2156	1.4898
413	459	RZ	01	661	1.4871
414	943	WV	01	107	1.486
415	198	PE	01	1626	1.4846
416	1509	CR	08	726	1.4821
417	123	HM	03	1941	1.4802
418	183	LK	05	922	1.4794
419	NEW	RED	03	442	1.4774
420	869	NEW	01	721	1.4771
421	1030	HG	06	377	1.4748
422	287	SA	03	683	1.4744
423	770	SH	12	858	1.4744
424	986	GP	08	1401	1.4682
425	530	NM	04	1186	1.468
426	1321	SR	05	602	1.4651
427	1127	AF	08	2488	1.465

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428	NEW	JP	08	455	1.4615
429	307	LB	05	1331	1.4568
430	771	RZ	03	1214	1.4514
431	1073	FR	48	3155	1.4491
432	317	FR	43	3424	1.4483
433	779	PW	03	2510	1.443
434	959	CV	06	1282	1.4423
435	450	WI	07	1308	1.4404
436	661	TB	47	4882	1.4375
437	1156	ST	13	1621	1.4368
438	1044	NSH	03	154	1.4351
439	249	PW	04	1349	1.4351
440	781	KI	48	2938	1.4336
441	790	CD	09	1770	1.4333
442	1079	BV	41	3476	1.4324
443	1133	STF	04	860	1.4314
444	1365	GN	09	654	1.4312
445	21	FR	49	4197	1.431
446	33	WEB	09	703	1.431
447	1070	KN	02	1421	1.43
448	777	LY	49	197	1.4264
449	327	TWG	45	2154	1.4257
450	1128	WE	08	1397	1.4252
451	786	GN	12	1398	1.4249
452	1090	CL	01	130	1.4231
453	717	TAN	41	565	1.423
454	41	BY	10	1234	1.4133
455	498	FD	13	1843	1.4129
456	1244	UW	05	998	1.4108
457	230	WT	02	2024	1.4096
458	4	GE	41	4194	1.4087
459	907	TO	01	1992	1.4081
460	329	CG	03	1482	1.4069
461	679	BZ	06	2210	1.4063
462	861	LU	42	2960	1.4051
463	773	LB	06	141	1.4043
464	929	FD	14	2405	1.4033
465	3	OA	03	45	1.4
466	899	HG	05	287	1.3972
467	502	QV	10	842	1.3967
468	196	FT	08	1158	1.3955
469	1504	WO	09	270	1.3926
470	1066	DH	05	1836	1.3873
471	1143	WW	07	1994	1.3857
472	1121	LK	08	1508	1.3833
473	296	BAR	48	4857	1.3786
474	239	JP	04	27	1.3704
475	238	STW	03	1974	1.3627

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
476	379	ME	11	820	1.3622
477	508	HA	08	1589	1.3612
478	258	SO	44	1462	1.3605
479	161	PJ	04	1466	1.3602
480	339	BM	03	1648	1.3568
481	40	ADK	48	3625	1.3548
482	501	AR	47	3955	1.3542
483	362	SP	01	1282	1.3541
484	1064	GT	01	764	1.3534
485	1172	SA	47	1036	1.3514
486	1376	GT	10	587	1.3458
487	856	LB	02	1918	1.3441
488	738	GL	05	1446	1.343
489	1433	NV	02	1595	1.3423
490	154	UN	02	2095	1.3418
491	922	UV	06	1638	1.3407
492	240	AD	07	1696	1.3402
493	992	LY	41	973	1.3392
494	223	BA	02	1277	1.3375
495	145	GP	07	1073	1.3364
496	305	CD	10	1363	1.3353
497	1256	BI	06	1466	1.3349
498	1100	PO	09	2327	1.3339
499	1375	CL	04	63	1.3333
500	994	KI	46	2910	1.3296
501	729	LK	06	1504	1.3265
502	1381	IT	41	37	1.3243
503	1432	GL	02	101	1.3168
504	744	AI	07	54	1.3148
505	1081	CG	04	1573	1.314
506	791	BH	09	1322	1.3132
507	1003	MY	08	1550	1.3129
508	490	CV	11	911	1.3128
509	918	FW	03	2082	1.3127
510	188	FW	04	2000	1.3115
511	1139	DE	07	1259	1.3114
512	226	HA	01	1619	1.3082
513	834	RS	01	843	1.3072
514	1132	LY	44	963	1.3043
515	1423	CRB	45	3369	1.3028
516	1055	AN	05	1772	1.3025
517	566	HB	45	4380	1.3014
518	748	BY	02	1524	1.2992
519	440	LB	07	530	1.2981
520	651	GW	01	2051	1.2964
521	1435	AF	12	674	1.2953
522	995	DL	43	2100	1.2929
523	1124	STF	05	1598	1.2929

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
524	NEW	WD	50	1286	1.2924
525	658	WA	41	182	1.2912
526	487	IM	47	1333	1.2911
527	479	ME	10	648	1.2901
528	1033	GN	06	858	1.289
529	1274	KT	41	1287	1.2859
530	1078	PW	01	1464	1.2842
531	47	SO	47	2269	1.2829
532	1503	MP	07	545	1.2826
533	547	QV	09	1080	1.2796
534	1447	WW	03	1695	1.2796
535	1399	UV	02	778	1.2776
536	320	WL	42	1169	1.2746
537	387	BI	43	3374	1.273
538	1249	HE	04	1701	1.2722
539	437	CRB	44	2281	1.2696
540	144	KM	06	1979	1.2693
541	801	SDY	04	420	1.269
542	457	BW	12	60	1.2667
543	268	CL	05	1131	1.2653
544	481	CB	03	854	1.2646
545	1204	IR	01	797	1.2635
546	1472	FP	04	19	1.2632
547	1487	ADK	46	27	1.2593
548	277	CC	02	1677	1.2588
549	455	BA	46	3256	1.258
550	967	ES	07	349	1.2579
551	187	EC	07	714	1.2577
552	1356	KM	04	1540	1.2565
553	458	NM	02	2558	1.2557
554	286	SP	11	2018	1.2542
555	1262	MAR	45	3172	1.2528
556	902	SC	05	32	1.25
557	1019	UV	05	1248	1.25
558	1163	BH	04	550	1.2491
559	570	CA	02	1637	1.245
560	821	DA	05	719	1.2448
561	1377	IM	48	2335	1.2424
562	545	LU	41	4172	1.2409
563	330	TB	41	6259	1.2397
564	634	GG	10	1905	1.2394
565	699	NM	06	853	1.2368
566	1144	CYF	47	4368	1.2344
567	1174	DR	03	2017	1.233
568	214	RT	01	342	1.231
569	491	CE	07	1719	1.2286
570	155	THW	41	4269	1.2284
571	1153	CB	09	1795	1.2273

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572	898	RA	46	4434	1.2271
573	1024	LW	43	1805	1.2255
574	536	BA	03	1140	1.2254
575	1499	AM	03	437	1.2243
576	640	WT	01	1218	1.2233
577	1068	CB	01	1753	1.2225
578	1201	CK	02	1035	1.2222
579	1013	SA	43	4861	1.2216
580	901	MC	03	820	1.2207
581	1215	NS	02	1602	1.2197
582	1020	GT	13	1176	1.2168
583	470	CK	04	1353	1.2166
584	1213	OB	42	2754	1.2164
585	532	WI	06	1047	1.2159
586	280	BZ	01	1004	1.2151
587	175	MAR	41	3291	1.2145
588	1173	SH	09	1584	1.214
589	146	UN	03	1550	1.2135
590	577	PE	06	1404	1.213
591	575	RE	02	1150	1.213
592	480	BI	07	1133	1.2127
593	253	SF	46	2015	1.2124
594	1180	GE	49	5844	1.2105
595	1001	GL	09	1992	1.2103
596	1216	SA	44	1015	1.2099
597	334	EC	04	1540	1.2084
598	1312	MP	04	1244	1.2082
599	103	CD	07	1541	1.2057
600	1102	KDL	47	1075	1.2019
601	16	MP	02	1540	1.2006
602	1266	WI	43	4499	1.2
603	259	FT	10	1143	1.1995
604	267	TM	04	382	1.199
605	127	GG	01	1069	1.1955
606	1388	WZ	48	1061	1.1913
607	23	HA	05	1108	1.1904
608	58	WO	12	1565	1.1885
609	1161	CE	08	1876	1.1882
610	574	MAR	49	2865	1.1878
611	1403	UV	07	1550	1.1871
612	200	HM	08	1206	1.1849
613	442	KL	41	3046	1.1842
614	463	PI	42	3897	1.1812
615	381	AN	03	1195	1.1799
616	495	FD	10	2128	1.1786
617	595	GT	06	641	1.1763
618	1261	AF	03	2128	1.1762
619	416	KB	07	620	1.1758

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620	1005	FM	03	288	1.1736
621	222	WD	45	593	1.1703
622	604	BZ	05	966	1.1698
623	165	WT	12	749	1.1696
624	446	TE	08	837	1.1673
625	99	UL	46	3505	1.1623
626	1096	TE	07	1367	1.1602
627	1155	KL	43	2685	1.1598
628	568	PO	05	1189	1.1556
629	18	KW	43	4496	1.1535
630	1340	FZ	49	3839	1.1524
631	1466	RO	07	2133	1.151
632	461	UW	02	1618	1.1502
633	519	HY	10	1799	1.1479
634	1250	TE	02	541	1.146
635	1374	CB	10	1817	1.1458
636	181	THW	47	3297	1.1435
637	1265	BI	11	210	1.1429
638	1496	PK	02	14	1.1429
639	1512	MC	04	418	1.1411
640	607	CK	03	1266	1.1406
641	850	BT	04	1780	1.1404
642	78	BW	10	50	1.14
643	1115	CYF	43	2087	1.1385
644	1247	WLO	41	4333	1.1378
645	1304	BL	09	1265	1.1375
646	345	GZ	42	1361	1.1367
647	1445	OB	47	4746	1.1365
648	1382	CC	04	1313	1.1287
649	526	JN	07	1670	1.1263
650	548	BL	07	2466	1.1253
651	1383	CE	05	2277	1.1238
652	503	WI	01	2299	1.1235
653	1074	HG	03	91	1.1209
654	106	CYF	41	2625	1.1166
655	698	PA	08	1227	1.1117
656	358	WW	04	904	1.1117
657	185	MY	04	1786	1.1103
658	152	HP	07	2286	1.1076
659	1454	CA	04	1268	1.1057
660	1075	CR	06	1114	1.1041
661	1089	HT	09	548	1.104
662	745	PHR	01	3090	1.0958
663	1203	WZ	43	1660	1.0928
664	94	SR	10	1259	1.0905
665	1227	DL	41	4498	1.09
666	871	EB	07	734	1.0886
667	909	FZ	50	3771	1.088

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
668	1230	BI	03	849	1.0872
669	1417	DV	09	2358	1.0865
670	421	SF	15	660	1.0848
671	1232	WI	41	3894	1.084
672	1242	OB	45	2727	1.0821
673	464	EU	05	1110	1.0811
674	1107	MY	03	1532	1.0809
675	1112	BI	05	672	1.0804
676	171	WLO	44	3562	1.0789
677	100	IM	46	1391	1.0776
678	388	EB	06	1296	1.0656
679	758	NV	01	1127	1.0648
680	1440	WO	11	64	1.0625
681	1392	AM	07	725	1.0621
682	1502	MC	07	631	1.0618
683	1395	SC	03	52	1.0577
684	1193	STF	06	494	1.0567
685	1301	BI	04	589	1.056
686	1641	GS	21	18	1.0556
687	1206	BZ	09	582	1.0533
688	105	WT	08	196	1.051
689	5	AR	46	5256	1.0508
690	156	WA	43	940	1.0489
691	159	UN	01	857	1.0467
692	1384	VCR	41	5607	1.0464
693	114	BAR	46	4953	1.0442
694	1243	FD	15	762	1.0433
695	1240	GT	08	1209	1.043
696	1286	FL	45	4394	1.0423
697	802	BR	03	2055	1.036
698	617	ME	08	29	1.0345
699	333	AL	06	1218	1.032
700	NEW	FT	11	939	1.0319
701	63	CRB	46	2973	1.0316
702	712	SC	04	328	1.0305
703	1026	GZ	48	157	1.0255
704	1332	SF	05	253	1.0237
705	1489	EU	06	546	1.022
706	321	EC	14	821	1.0219
707	1491	AM	06	732	1.0191
708	1457	UL	13	3651	1.0131
709	1419	VCR	43	2146	1.0116
710	713	WR	09	1776	1.0101
711	1303	MB	10	448	1.0045
712	1363	FW	02	520	1.0019
713	251	FAN	45	239	1
714	626	GS	09	88	1
715	1405	CYF	44	4517	0.9911

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716	216	RT	02	497	0.9899
717	1562	PK	01	247	0.9879
718	654	CYF	49	1683	0.9857
719	610	GG	07	1445	0.9806
720	48	CYF	50	2739	0.9704
721	594	JOR	41	555	0.9694
722	721	SW	07	1837	0.9619
723	1141	STF	42	2051	0.9576
724	775	MV	02	742	0.9569
725	1494	LP	04	652	0.9525
726	868	WF	41	3119	0.9503
727	1207	AF	09	2051	0.9488
728	476	HG	04	1887	0.9486
729	335	CC	03	2111	0.9474
730	630	OB	49	1041	0.9452
731	1182	AM	08	3607	0.9409
732	663	KB	10	854	0.9403
733	765	PZ	46	2137	0.9378
734	585	BU	03	41	0.9268
735	473	CV	03	943	0.9258
736	138	RE	03	1093	0.925
737	298	VCR	42	4684	0.9223
738	91	SE	43	804	0.9117
739	709	WO	03	1842	0.905
740	1559	HG	08	21	0.9048
741	829	GV	03	1222	0.9034
742	1422	JOR	43	805	0.9031
743	420	WW	09	1613	0.9014
744	242	NM	01	799	0.8961
745	730	WF	05	1298	0.896
746	924	HX	02	1280	0.8953
747	981	AL	09	1978	0.8898
748	NEW	RED	06	1882	0.8874
749	1409	ST	11	1113	0.876
750	301	NV	04	1010	0.8743
751	1689	SPW	45	3001	0.8737
752	950	HB	50	3493	0.8732
753	629	VCR	44	3172	0.8704
754	1212	RS	04	1806	0.8682
755	674	SW	08	1515	0.8673
756	24	ME	05	1375	0.8662
757	326	FD	11	1792	0.8633
758	56	SO	50	5703	0.8617
759	88	WA	44	679	0.8616
760	680	HL	07	839	0.8594
761	822	DA	04	853	0.8535
762	795	SP	05	1977	0.8462
763	25	AR	43	3544	0.8457

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764	1518	MID	02	1461	0.8453
765	788	GP	06	1383	0.8445
766	555	OA	05	1471	0.8307
767	1289	DH	08	2357	0.8303
768	883	EC	13	321	0.8287
769	295	CL	06	658	0.8283
770	820	RU	06	1857	0.8282
771	926	SH	08	1466	0.8267
772	308	HK	45	1231	0.8262
773	1535	DT	23	17	0.8235
774	289	SR	15	2203	0.8121
775	761	OB	46	7588	0.8109
776	393	DH	09	1250	0.8104
777	603	LY	46	274	0.8102
778	664	DR	07	1475	0.8088
779	306	HOC	03	1491	0.8055
780	120	AN	08	857	0.8028
781	1255	HT	01	2878	0.8009
782	292	WE	05	10	0.8
783	314	HV	01	1104	0.798
784	800	RS	02	1789	0.7909
785	64	AM	02	2188	0.7884
786	946	GZ	43	2978	0.7861
787	98	SW	09	1974	0.7812
788	676	PA	03	2212	0.7794
789	1267	SB	02	1348	0.7774
790	493	WZ	45	3907	0.7763
791	1580	WD	42	83	0.7711
792	916	DR	09	279	0.7706
793	469	HM	04	2053	0.7667
794	1475	HE	13	2122	0.763
795	695	SE	01	904	0.7622
796	1091	GT	09	1137	0.7608
797	246	HV	08	1867	0.7547
798	173	BW	05	1493	0.7508
799	665	AL	07	1272	0.7469
800	782	HM	05	2552	0.7457
801	1198	WI	04	2385	0.7451
802	1094	CB	06	918	0.7418
803	1032	CC	01	1620	0.7377
804	31	KT	46	1201	0.7377
805	422	AD	08	2201	0.736
806	980	HY	13	719	0.7316
807	1237	CB	05	1894	0.7297
808	436	KB	17	1196	0.7283
809	921	WF	42	3698	0.7239
810	715	LU	43	3508	0.7238
811	753	HK	41	668	0.7216

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812	261	AD	01	702	0.7179
813	396	CB	07	1953	0.7163
814	1533	BI	47	689	0.7155
815	724	AD	09	2112	0.7093
816	1210	WF	46	6769	0.709
817	890	BG	02	2614	0.7054
818	852	TE	10	505	0.703
819	879	PA	09	1109	0.7024
820	734	WO	14	2078	0.7012
821	417	AM	04	1626	0.7005
822	77	WL	02	342	0.6988
823	538	THW	46	4710	0.6915
824	891	PA	05	1547	0.6871
825	677	AE	05	318	0.6855
826	346	BY	08	1665	0.6835
827	1228	WLO	42	2984	0.6833
828	351	BV	43	1206	0.6824
829	906	FD	04	1139	0.6822
830	221	HE	08	1829	0.6807
831	830	AD	05	1386	0.6804
832	36	BT	03	2140	0.6799
833	737	TIK	01	1097	0.6746
834	732	WT	04	699	0.6738
835	808	GV	02	1750	0.6737
836	1643	GS	27	240	0.6708
837	799	LA	04	1464	0.6701
838	768	HR	03	2420	0.6694
839	1138	EU	11	2485	0.6688
840	1410	DE	04	742	0.6685
841	757	GG	05	21	0.6667
842	743	UN	11	841	0.6659
843	1142	TO	05	1343	0.6642
844	413	TE	01	1596	0.6585
845	969	GV	06	1480	0.65
846	1231	FT	03	1088	0.6452
847	1442	SH	10	1104	0.6449
848	178	HV	04	1657	0.6379
849	1054	CV	01	2277	0.6368
850	53	AR	41	2120	0.6363
851	304	SW	03	1925	0.6348
852	506	RE	07	1511	0.6347
853	940	BR	13	738	0.6301
854	426	SB	06	1722	0.6301
855	774	HX	03	507	0.6292
856	273	PJ	01	415	0.6289
857	439	HK	42	3264	0.6275
858	746	GE	43	6685	0.6266
859	1557	GT	02	24	0.625

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860	844	CD	12	1152	0.6224
861	NEW	CG	07	429	0.62
862	129	CG	06	918	0.6198
863	225	LM	04	1283	0.6189
864	467	HM	02	1920	0.6182
865	1185	MAR	44	3333	0.6163
866	205	QV	08	919	0.6094
867	817	MP	01	2772	0.6086
868	759	WV	03	1880	0.6085
869	1050	ST	05	1062	0.6083
870	944	AN	01	885	0.6034
871	814	BE	03	1610	0.6025
872	572	DN	05	255	0.6
873	1292	JP	01	30	0.6
874	991	HR	01	1359	0.5997
875	876	HP	02	1393	0.5858
876	939	UN	05	1056	0.5852
877	285	OA	04	1698	0.5848
878	845	PA	06	1566	0.583
879	1118	ST	07	1221	0.579
880	169	QV	02	1301	0.5765
881	851	SE	02	1379	0.5736
882	184	WF	49	4987	0.5715
883	266	DE	06	1157	0.5713
884	1122	TB	06	1143	0.5713
885	1097	RS	06	51	0.5686
886	NEW	PA	11	1708	0.5679
887	371	GG	06	1511	0.5678
888	522	MB	09	1033	0.5663
889	806	HX	01	1687	0.5655
890	1037	GT	04	1270	0.5638
891	870	SP	03	1522	0.5637
892	973	GL	01	2094	0.5621
893	1101	FR	45	3218	0.5618
894	1396	HE	05	1685	0.5614
895	366	KT	44	3041	0.561
896	435	BG	07	2021	0.5606
897	219	ADK	45	1322	0.559
898	1366	SF	01	637	0.5589
899	1306	HM	10	1130	0.5575
900	701	EC	11	707	0.5559
901	688	LB	01	1511	0.5539
902	1341	LP	03	300	0.5533
903	1165	HNY	01	461	0.5531
904	700	HNY	07	590	0.5525
905	828	FP	07	1819	0.5514
906	126	HK	43	1861	0.5502
907	903	SH	01	1405	0.5502

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908	1140	DE	08	456	0.5461
909	1015	KB	03	1108	0.5451
910	778	SPW	42	2576	0.545
911	668	LW	45	2538	0.5449
912	1505	FW	06	1346	0.5416
913	837	LK	02	2191	0.5408
914	798	SA	01	1040	0.5394
915	220	THW	48	3372	0.5383
916	928	SP	04	576	0.5347
917	742	DV	10	1314	0.5335
918	354	UL	02	1130	0.531
919	418	RE	05	1388	0.5252
920	1016	TV	01	981	0.524
921	1053	DA	06	451	0.5233
922	43	BR	07	1132	0.5212
923	1060	KB	12	1066	0.5188
924	290	WO	07	2539	0.5167
925	218	ST	01	1193	0.5155
926	787	LJ	05	785	0.5134
927	912	MP	05	1815	0.5129
928	985	IR	03	1619	0.512
929	1345	EU	04	714	0.5098
930	598	FM	02	364	0.5082
931	NEW	PA	10	974	0.5072
932	1167	DR	02	2453	0.5063
933	30	SE	42	1064	0.5056
934	NEW	STF	44	288	0.5035
935	908	AL	05	822	0.5012
936	960	MB	02	46	0.5
937	696	AV	03	901	0.4983
938	434	GZ	44	3098	0.4971
939	1519	HY	01	2175	0.4956
940	804	CD	08	1794	0.4955
941	386	PI	48	3752	0.4949
942	1259	VL	06	422	0.4929
943	430	PE	07	1615	0.4916
944	1171	HOC	05	945	0.4899
945	707	WO	05	1403	0.489
946	400	CG	02	1914	0.4864
947	131	ME	02	870	0.4851
948	633	CD	04	1397	0.4825
949	176	FR	41	1385	0.4809
950	1564	PK	45	25	0.48
951	496	NS	01	1973	0.479
952	760	EC	06	592	0.478
953	449	GV	05	398	0.4774
954	82	LJ	01	1093	0.4748
955	22	LU	03	995	0.4744

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956	657	UN	08	1321	0.4739
957	578	SF	07	19	0.4737
958	367	SIE	45	1993	0.4711
959	982	KI	49	2862	0.4706
960	1257	WF	47	2357	0.4701
961	401	BG	01	1153	0.4666
962	1189	RO	05	1004	0.4651
963	1589	BZ	03	2021	0.4636
964	990	SB	08	839	0.4636
965	423	WW	08	257	0.463
966	927	BI	02	1441	0.4629
967	1036	KI	44	4274	0.4623
968	776	LY	43	490	0.4612
969	1333	EU	01	400	0.46
970	628	LA	02	1514	0.459
971	913	TAN	44	703	0.458
972	191	CRB	41	2071	0.4568
973	983	UL	03	518	0.4556
974	323	HA	07	1474	0.4552
975	691	JP	02	64	0.4531
976	431	KI	41	2233	0.4483
977	443	MID	01	889	0.4477
978	117	SR	08	1066	0.4456
979	524	WEB	02	432	0.4421
980	736	RE	04	946	0.4387
981	564	HY	08	1433	0.4368
982	1117	BI	46	1219	0.4364
983	453	SH	07	877	0.4356
984	1427	SO	41	2445	0.4352
985	415	SIE	46	2906	0.4346
986	731	NS	06	1625	0.4338
987	793	LP	02	392	0.4337
988	341	TE	05	1355	0.4332
989	378	FL	41	5032	0.432
990	447	CD	06	602	0.4319
991	269	SA	41	459	0.4314
992	544	TRN	02	350	0.4314
993	873	PHR	02	1858	0.43
994	722	GP	05	663	0.4299
995	38	TB	42	3531	0.4285
996	1149	NS	03	1328	0.4277
997	1007	DH	02	1129	0.4269
998	1043	WZ	47	4002	0.4245
999	61	AN	06	1109	0.4238
1000	1369	HOC	08	1943	0.4236
1001	395	EC	15	1599	0.4221
1002	441	DE	01	1269	0.4216
1003	291	PE	03	1721	0.4201

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1004	835	WV	02	745	0.4201
1005	456	LW	41	4729	0.4191
1006	1571	SC	02	12	0.4167
1007	1192	DR	12	864	0.4155
1008	262	CD	11	1133	0.4148
1009	951	BY	07	1278	0.4131
1010	245	KDL	41	3796	0.4117
1011	780	WE	06	557	0.4093
1012	1293	CR	01	2064	0.4084
1013	1362	QV	04	990	0.4081
1014	755	SB	03	1547	0.4079
1015	762	BE	02	1765	0.4068
1016	370	EC	08	1229	0.4068
1017	1120	DE	03	160	0.4062
1018	853	SW	10	1206	0.4055
1019	672	PG	01	341	0.4047
1020	875	EL	08	438	0.4018
1021	157	ADK	49	1128	0.4007
1022	483	RA	44	6541	0.3993
1023	1246	IR	06	1461	0.399
1024	1393	BI	42	2933	0.3989
1025	1169	EC	05	712	0.3989
1026	424	LJ	09	3263	0.3987
1027	119	GL	06	1601	0.3973
1028	971	BG	04	1018	0.3969
1029	675	JN	09	1554	0.3964
1030	1017	SF	14	334	0.3952
1031	1214	VL	01	912	0.3947
1032	1045	TV	03	1452	0.3946
1033	882	GG	03	2523	0.3936
1034	283	EU	07	2191	0.393
1035	792	SF	03	709	0.3921
1036	591	LU	04	1529	0.3911
1037	974	RA	45	2564	0.3908
1038	934	WW	10	1958	0.3907
1039	130	RU	05	1687	0.3906
1040	549	BZ	02	711	0.3896
1041	935	MDY	03	2237	0.3889
1042	318	TRN	01	1034	0.3888
1043	497	CA	01	959	0.3869
1044	671	TE	04	550	0.3855
1045	414	SA	54	2893	0.3851
1046	361	FR	44	6348	0.3823
1047	888	BA	04	1270	0.3811
1048	683	HOC	02	1731	0.3778
1049	1273	DH	03	61	0.377
1050	1048	STW	02	1385	0.3769
1051	1245	GA	09	2057	0.3753

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1052	1305	IND	06	16	0.375
1053	877	CV	07	1801	0.3731
1054	1358	FRY	43	3452	0.3728
1055	472	TWG	42	494	0.3725
1056	1010	MV	01	529	0.3724
1057	324	SA	46	277	0.3718
1058	68	FR	46	3878	0.3716
1059	988	GN	10	1686	0.3701
1060	1317	FRY	49	5067	0.3698
1061	466	BM	07	433	0.3695
1062	451	GL	07	2340	0.3692
1063	976	CR	03	2076	0.369
1064	1314	MDY	01	1391	0.3688
1065	838	STF	02	424	0.3679
1066	365	DH	04	2094	0.3677
1067	649	WO	06	1216	0.3627
1068	1028	WBY	02	1183	0.3618
1069	1197	CE	11	2604	0.361
1070	297	JP	06	261	0.3602
1071	1022	TRN	05	1547	0.3594
1072	1087	SPW	41	2714	0.3592
1073	1152	LU	01	725	0.3586
1074	206	GA	10	793	0.3581
1075	1458	ST	08	637	0.3579
1076	1224	DN	03	2154	0.357
1077	881	NV	03	961	0.3569
1078	432	HA	11	1539	0.3561
1079	357	EU	09	1352	0.3558
1080	302	UL	15	425	0.3553
1081	832	BR	02	1052	0.3546
1082	965	SH	04	2152	0.3541
1083	848	BR	12	1510	0.3523
1084	1324	DR	06	796	0.3518
1085	1330	BI	08	907	0.3517
1086	70	SO	45	5957	0.3514
1087	886	BY	04	1281	0.3505
1088	645	CD	05	1794	0.3495
1089	1183	GS	20	218	0.3486
1090	1110	KI	45	2668	0.3486
1091	406	LA	01	1539	0.3476
1092	113	LU	44	3488	0.3458
1093	537	UN	04	295	0.3458
1094	1170	CD	01	948	0.3449
1095	1328	TO	02	805	0.3441
1096	867	WE	02	728	0.3434
1097	750	HE	07	1707	0.3427
1098	444	QV	03	1013	0.3416
1099	1236	TRN	03	41	0.3415

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1100	614	CYF	45	3107	0.3408
1101	561	CV	08	1861	0.3407
1102	573	WD	46	1251	0.3405
1103	644	HE	02	1697	0.34
1104	1035	OA	06	1435	0.338
1105	854	SP	10	1407	0.3376
1106	766	CD	03	1455	0.3375
1107	872	ST	03	930	0.3366
1108	73	WF	03	1162	0.3365
1109	148	HOC	04	1380	0.3348
1110	1238	BA	01	855	0.3345
1111	741	AL	11	1614	0.334
1112	425	NB	45	1255	0.3331
1113	1525	FAN	46	587	0.3322
1114	692	LV	02	796	0.3317
1115	1184	LP	06	181	0.3315
1116	76	TB	46	1914	0.3312
1117	310	RE	06	1318	0.3308
1118	987	CB	11	2478	0.3305
1119	1190	TO	11	1342	0.3301
1120	271	WZ	44	942	0.327
1121	1131	PO	07	655	0.3267
1122	783	IT	42	83	0.3253
1123	833	TO	03	413	0.3245
1124	1103	WE	07	34	0.3235
1125	1287	CE	06	1910	0.323
1126	1077	AF	04	1603	0.3213
1127	1319	AI	06	109	0.3211
1128	656	ES	05	1722	0.3206
1129	823	GL	08	1098	0.3197
1130	1434	VVW	05	3028	0.3197
1131	1159	HP	03	2513	0.3164
1132	322	HY	11	1095	0.316
1133	488	DH	06	1130	0.3159
1134	860	KB	01	1463	0.3158
1135	1253	GA	02	1911	0.3155
1136	260	MC	06	863	0.3152
1137	248	CV	09	1006	0.3131
1138	7	GE	46	3347	0.3131
1139	1176	UL	47	2909	0.3121
1140	1126	TO	09	1215	0.3119
1141	233	QV	07	361	0.3102
1142	288	CL	09	404	0.3094
1143	1145	SO	46	3981	0.308
1144	1464	RO	04	1579	0.3059
1145	961	BY	05	1589	0.3052
1146	539	CL	03	1455	0.3045
1147	685	SP	08	1399	0.3038

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1148	897	ST	04	1412	0.3024
1149	294	DH	10	2715	0.3009
1150	46	SR	13	1101	0.3006
1151	711	ES	03	1655	0.2997
1152	492	BH	06	137	0.2993
1153	403	CB	12	1653	0.2989
1154	1343	CA	03	1362	0.2974
1155	1150	PZ	44	5128	0.2968
1156	1398	HV	06	1339	0.2965
1157	552	DN	10	1426	0.2959
1158	1221	LJ	03	909	0.2959
1159	368	TB	48	3878	0.295
1160	977	CG	01	608	0.2944
1161	1219	AF	07	1477	0.2938
1162	282	BM	04	770	0.2935
1163	686	BA	45	3765	0.2922
1164	1276	GA	04	1291	0.2912
1165	584	KB	21	1210	0.2909
1166	1281	TO	07	1322	0.2882
1167	1234	KI	42	4602	0.287
1168	535	GW	02	2203	0.2869
1169	920	HY	06	2553	0.2867
1170	968	BY	03	1599	0.2858
1171	642	CB	08	903	0.2857
1172	236	THW	45	4309	0.2854
1173	1331	CYF	42	3489	0.2852
1174	1263	HR	04	2227	0.2851
1175	462	DR	04	1802	0.283
1176	1254	FW	01	781	0.283
1177	1000	FT	06	614	0.2818
1178	1296	FZ	43	339	0.2802
1179	1430	HG	01	207	0.2754
1180	1610	FRK	43	33	0.2727
1181	514	ST	10	628	0.2707
1182	135	GA	06	991	0.2704
1183	1524	HT	06	1961	0.2703
1184	705	WE	04	37	0.2703
1185	485	AF	06	2341	0.2687
1186	878	LC	01	268	0.2687
1187	1031	AI	10	41	0.2683
1188	477	STW	04	891	0.2682
1189	1456	GP	02	30	0.2667
1190	815	FT	04	1724	0.2662
1191	81	DV	11	1104	0.2645
1192	254	DN	01	863	0.2642
1193	32	MY	10	813	0.2632
1194	1109	HB	44	3047	0.2629
1195	1154	SA	42	899	0.2625

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1196	999	BR	14	545	0.2624
1197	1129	STF	01	684	0.2617
1198	1360	WI	42	4777	0.2602
1199	445	AF	05	1607	0.2595
1200	600	SA	50	804	0.2587
1201	170	PW	05	2206	0.2579
1202	482	KM	01	1478	0.2571
1203	1041	WZ	46	3916	0.2541
1204	1058	BG	03	1068	0.2537
1205	1085	THW	49	1688	0.253
1206	NEW	RED	05	1048	0.2529
1207	919	HR	02	1102	0.2514
1208	931	PE	05	1224	0.2508
1209	1350	MY	06	1668	0.2506
1210	1205	CD	02	1203	0.2494
1211	669	SH	05	1713	0.2493
1212	1337	AN	07	1891	0.248
1213	160	CV	05	1647	0.2471
1214	1478	KDL	44	2715	0.2471
1215	147	FRY	42	3949	0.2439
1216	391	WO	08	1268	0.2437
1217	653	JN	01	1511	0.2429
1218	1088	RO	44	491	0.2424
1219	474	MP	10	1067	0.2418
1220	963	RA	43	967	0.241
1221	1316	RA	41	3053	0.2398
1222	107	CE	10	1643	0.2392
1223	1416	HA	02	1675	0.2388
1224	1105	FD	09	2492	0.2384
1225	1439	HP	06	583	0.2384
1226	1334	MY	11	1134	0.2381
1227	1251	THW	43	1893	0.2377
1228	309	KN	06	2341	0.2358
1229	65	NB	44	465	0.2344
1230	593	CA	05	509	0.2338
1231	51	HNY	03	2057	0.2338
1232	895	EC	02	1754	0.2332
1233	69	HA	03	1566	0.2331
1234	1425	EL	10	852	0.2324
1235	199	SO	48	3187	0.2316
1236	764	HT	03	419	0.2315
1237	1476	JN	08	1220	0.2311
1238	468	KT	48	3183	0.2293
1239	849	AD	10	538	0.2286
1240	433	MAR	48	2939	0.2276
1241	637	ES	02	938	0.2271
1242	527	PZ	42	3078	0.2268
1243	1187	BR	11	902	0.2262

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1244	1011	ADK	43	687	0.2256
1245	933	CE	03	1948	0.2254
1246	408	DV	02	1785	0.2252
1247	1082	TV	04	1248	0.2252
1248	1299	WZ	41	5206	0.2244
1249	767	MB	03	1099	0.2238
1250	166	WEB	01	1949	0.2237
1251	1072	LK	03	1132	0.2235
1252	133	MAR	51	3615	0.2219
1253	864	BE	04	1908	0.2206
1254	827	DR	08	1140	0.2202
1255	560	LA	03	1623	0.2193
1256	1426	RE	08	827	0.2189
1257	174	KM	05	1481	0.2188
1258	1208	SCW	01	1929	0.2188
1259	452	DV	08	893	0.2184
1260	375	UL	45	3200	0.2178
1261	1406	UW	07	1969	0.2174
1262	1318	BM	06	1455	0.2172
1263	1271	IM	49	3972	0.2165
1264	1222	SH	11	1681	0.2153
1265	1479	QV	05	1202	0.2146
1266	720	MB	06	28	0.2143
1267	558	SCW	02	565	0.2142
1268	989	LP	08	990	0.2131
1269	1202	PE	02	1629	0.213
1270	846	GE	47	3909	0.2113
1271	1069	HT	08	956	0.2113
1272	1414	NM	03	1402	0.2104
1273	678	LY	47	515	0.2097
1274	6	NP	44	2515	0.2095
1275	996	FD	06	2442	0.2093
1276	586	SF	41	2399	0.2093
1277	673	BW	01	48	0.2083
1278	784	SB	04	904	0.208
1279	580	JN	06	2522	0.207
1280	1325	ED	08	1487	0.2065
1281	662	HOC	06	757	0.2061
1282	1344	RO	01	3269	0.2059
1283	1225	WI	44	5014	0.2054
1284	1379	WF	44	4864	0.2029
1285	1295	TV	02	1081	0.2026
1286	948	KM	03	135	0.2
1287	1441	HT	05	823	0.1993
1288	1181	HNY	02	1557	0.1985
1289	1151	FL	43	3460	0.198
1290	1092	MC	02	598	0.1957
1291	1302	FD	12	1968	0.1951

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1292	1200	FL	44	3574	0.1911
1293	1029	SW	06	933	0.1897
1294	1108	JP	03	37	0.1892
1295	652	HE	03	1580	0.188
1296	1051	ME	09	1519	0.1863
1297	667	GT	12	1622	0.1862
1298	1411	FRY	46	4869	0.1855
1299	1300	MB	08	725	0.1848
1300	428	FT	01	38	0.1842
1301	1437	DN	12	686	0.1837
1302	1368	GE	44	5932	0.1805
1303	915	HB	49	3423	0.1803
1304	213	HB	46	4559	0.1779
1305	714	DN	11	2155	0.1773
1306	1359	JN	04	784	0.1773
1307	1452	FD	02	2503	0.177
1308	1014	SE	03	855	0.1766
1309	1428	TE	06	1923	0.1763
1310	797	KI	47	3514	0.1759
1311	1047	HE	15	1547	0.1758
1312	597	SO	49	6481	0.1754
1313	342	WEB	03	1799	0.1751
1314	587	JN	05	1612	0.1743
1315	825	FL	48	3723	0.1741
1316	84	RO	03	1058	0.1739
1317	818	MP	08	1854	0.1737
1318	648	CR	07	104	0.1731
1319	1061	SW	05	580	0.1724
1320	1474	DN	02	1023	0.1711
1321	189	DV	03	721	0.1706
1322	1424	CK	05	1507	0.1705
1323	1493	WW	06	1460	0.1705
1324	997	LW	46	4635	0.1704
1325	857	SB	05	1248	0.1699
1326	1378	AI	05	71	0.169
1327	1148	CR	05	1012	0.169
1328	1320	HY	03	997	0.1685
1329	116	AR	42	4007	0.168
1330	1049	IND	03	18	0.1667
1331	507	IND	04	12	0.1667
1332	938	SDY	03	12	0.1667
1333	475	ADK	44	410	0.1634
1334	162	IR	05	2041	0.1632
1335	1125	HY	07	993	0.1631
1336	293	ME	06	1135	0.163
1337	511	WEB	07	123	0.1626
1338	1280	SR	01	253	0.1621
1339	1352	FRY	47	4631	0.162

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1340	1484	SF	43	3744	0.1619
1341	194	JP	07	538	0.1599
1342	1166	SP	06	1899	0.1596
1343	1098	GT	03	2800	0.1589
1344	1465	DN	07	1743	0.1583
1345	518	CK	06	759	0.1568
1346	1460	EC	09	1345	0.1554
1347	1429	WT	09	342	0.155
1348	1093	BG	06	1642	0.1541
1349	195	AT	43	436	0.1537
1350	1446	JN	10	2828	0.1531
1351	1052	HE	06	1876	0.1525
1352	382	WL	41	1183	0.1513
1353	947	WR	14	286	0.1503
1354	471	CG	05	1704	0.1491
1355	1327	BI	09	1650	0.1485
1356	554	BL	03	1619	0.1476
1357	1415	NSH	02	156	0.1474
1358	NEW	RE	42	524	0.1469
1359	622	MC	08	358	0.1453
1360	1315	DH	01	3112	0.1452
1361	1531	KB	18	704	0.1449
1362	180	SP	02	1898	0.1444
1363	1235	KT	50	3090	0.1424
1364	359	ES	01	901	0.1421
1365	896	BZ	04	317	0.142
1366	1313	GE	48	4663	0.1396
1367	86	PJ	03	1450	0.1393
1368	905	UW	04	715	0.1385
1369	1354	TE	09	1361	0.1381
1370	1104	SP	07	1832	0.1365
1371	1297	IM	45	3321	0.1364
1372	1284	GG	02	2502	0.1363
1373	1218	EL	05	650	0.1354
1374	1346	ED	06	2333	0.1337
1375	616	BG	09	262	0.1336
1376	1348	ED	07	1073	0.1333
1377	599	ME	07	1381	0.1332
1378	1291	HA	06	879	0.1331
1379	1188	HY	05	1483	0.1315
1380	1233	EC	03	537	0.1304
1381	1342	SC	01	23	0.1304
1382	1057	KB	20	875	0.1303
1383	608	FRY	48	3026	0.1292
1384	606	CK	01	915	0.129
1385	1099	WEB	10	552	0.1286
1386	389	WD	48	1533	0.1272
1387	1481	MY	05	593	0.1265

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1388	374	CV	04	1362	0.1263
1389	925	WT	10	301	0.1262
1390	385	GE	42	3365	0.1254
1391	460	PO	04	1134	0.1252
1392	556	EL	02	48	0.125
1393	1468	ED	05	1051	0.1246
1394	409	SH	06	1052	0.1245
1395	1080	OA	02	568	0.1232
1396	641	BM	02	65	0.1231
1397	917	KB	04	958	0.118
1398	1134	KB	06	1314	0.118
1399	1062	AI	08	51	0.1176
1400	1469	BW	08	17	0.1176
1401	55	BR	05	606	0.1172
1402	1336	KM	07	1582	0.1169
1403	429	JN	02	1683	0.1159
1404	1347	LY	45	1867	0.113
1405	399	BAR	43	5312	0.112
1406	1402	PO	08	1840	0.112
1407	1514	UV	04	1027	0.112
1408	1123	UV	01	1171	0.1119
1409	670	KN	01	1120	0.1116
1410	631	IND	02	27	0.1111
1411	1002	WE	03	154	0.1104
1412	1451	HE	10	1353	0.1101
1413	1488	DR	05	2091	0.1095
1414	1480	EU	08	202	0.1089
1415	966	UV	03	726	0.1088
1416	884	BI	44	46	0.1087
1417	235	SH	03	2276	0.1081
1418	509	ES	04	398	0.108
1419	NEW	DL	47	1326	0.1078
1420	1364	FZ	54	4674	0.1072
1421	1436	DV	07	902	0.1064
1422	1459	BM	05	349	0.106
1423	1569	PK	50	19	0.1053
1424	1178	EL	06	314	0.1051
1425	1443	HY	04	1813	0.1042
1426	1335	AN	11	1559	0.1039
1427	39	FZ	52	3878	0.1034
1428	1486	GR	04	29	0.1034
1429	964	WT	07	1211	0.1032
1430	1495	BM	08	1037	0.1022
1431	942	HY	12	979	0.1021
1432	1211	SR	09	933	0.1018
1433	1357	WW	01	550	0.1018
1434	350	ED	02	1508	0.1015
1435	1501	WF	01	408	0.1005

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1436	612	PJ	06	1125	0.1004
1437	250	IND	05	50	0.1
1438	234	FT	02	1119	0.0992
1439	1473	CYF	48	4350	0.097
1440	1136	PO	03	773	0.097
1441	1065	KB	05	1315	0.0966
1442	1490	HNY	06	872	0.0963
1443	93	WEB	05	586	0.0956
1444	1269	MY	01	964	0.0954
1445	1520	KB	11	736	0.0951
1446	1008	UL	04	1272	0.0951
1447	85	HY	02	1715	0.0933
1448	28	IM	42	2097	0.093
1449	NEW	RED	04	11	0.0909
1450	567	PZ	45	2190	0.0881
1451	1692	SPW	48	23	0.087
1452	1431	MY	02	1303	0.0867
1453	569	ST	15	809	0.0865
1454	15	EL	07	1706	0.0856
1455	1408	PO	06	1756	0.0854
1456	1412	UL	16	504	0.0853
1457	1671	PK	42	12	0.0833
1458	1492	HE	14	1658	0.0826
1459	1311	RO	02	2650	0.0823
1460	638	MY	09	209	0.0813
1461	1229	DL	42	1689	0.0799
1462	1277	LY	48	2919	0.0791
1463	726	HE	09	1823	0.079
1464	1279	PO	01	1088	0.079
1465	1558	HA	10	486	0.0782
1466	911	FL	49	5553	0.0764
1467	256	KT	45	3979	0.0756
1468	747	JOR	42	54	0.0741
1469	1380	ED	03	1547	0.073
1470	NEW	RE	41	731	0.0725
1471	60	DE	02	994	0.0724
1472	NEW	RE	43	4456	0.0718
1473	224	KG	43	3527	0.0703
1474	1226	DE	05	1364	0.0696
1475	1268	RO	43	1750	0.0691
1476	579	CL	08	59	0.0678
1477	1482	KB	19	973	0.0668
1478	1455	BI	10	15	0.0667
1479	1421	UL	14	865	0.0659
1480	313	WI	02	993	0.0645
1481	1309	RO	08	1777	0.0636
1482	1420	CRB	48	4909	0.0631
1483	529	SB	07	1693	0.062

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1484	1483	FD	08	2674	0.0587
1485	1308	HV	05	689	0.0581
1486	486	TO	08	673	0.0565
1487	639	PJ	07	249	0.0562
1488	611	BI	45	2936	0.0559
1489	1387	GP	09	197	0.0558
1490	1513	DN	09	180	0.0556
1491	571	FP	02	18	0.0556
1492	620	FL	47	4153	0.0554
1493	1220	WEB	08	826	0.0545
1494	562	WEB	06	945	0.054
1495	619	AF	01	2566	0.053
1496	1270	DL	46	1995	0.0526
1497	1453	BH	05	563	0.0515
1498	1283	LY	42	39	0.0513
1499	1191	UL	09	572	0.0507
1500	1463	CR	02	395	0.0506
1501	1508	EU	12	163	0.0491
1502	1113	TV	05	82	0.0488
1503	202	EC	12	789	0.0469
1504	1497	HP	05	3113	0.0469
1505	281	HP	08	879	0.0466
1506	525	HT	07	975	0.0462
1507	1413	CA	07	479	0.0459
1508	1367	HT	04	475	0.0442
1509	210	HP	04	2130	0.0441
1510	1285	LM	02	733	0.0437
1511	1338	ED	01	1472	0.0401
1512	1510	EC	01	232	0.0388
1513	1507	HE	12	1212	0.0388
1514	1067	WO	10	567	0.0388
1515	1404	HP	01	935	0.0385
1516	1470	WEB	11	1097	0.0374
1517	643	KT	42	4614	0.0373
1518	636	PJ	05	697	0.0373
1519	1288	GZ	47	1066	0.0366
1520	1349	ADK	41	110	0.0364
1521	1556	GS	29	28	0.0357
1522	687	BZ	07	344	0.0349
1523	1034	SR	16	89	0.0337
1524	559	HY	09	1300	0.0331
1525	1561	KB	15	304	0.0329
1526	590	WEB	12	584	0.0308
1527	581	SF	13	270	0.0296
1528	1528	BI	01	359	0.0279
1529	336	WI	03	332	0.0271
1530	613	WE	01	161	0.0248
1531	1566	PK	47	85	0.0235

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1532	1461	KN	04	47	0.0213
1533	1500	DV	04	935	0.0203
1534	1544	FRK	46	347	0.0202
1535	583	WD	47	398	0.0201
1536	1448	EL	04	764	0.0183
1537	1371	RO	06	929	0.0161
1538	427	ED	04	1899	0.0142
1539	1086	WEB	04	635	0.0142
1540	1517	GN	11	863	0.0139
1541	1506	FRY	44	298	0.0134
1542	1511	EC	10	391	0.0128
1543	1529	DN	08	376	0.0106
1544	1119	FAN	48	1305	0.01
1545	1391	MY	12	1009	0.0069
1546	1575	SF	44	659	0.0061
1547	1485	BG	05	346	0.0058
1548	807	HNY	04	372	0.0054
1549	1373	WD	41	408	0.0049
1550	1523	PK	04	498	0.004
1551	1570	PZ	47	280	0.0036
1552	1552	GS	07	286	0.0035
1553	627	UL	42	605	0.0017
1554	1543	FRK	42	745	0.0013
1555	1579	SR	14	791	0.0013
1556	1532	SF	45	1050	0.001
1557	1534	BR	06	13	0
1558	1527	DT	19	342	0
1559	1595	DT	20	11	0
1560	1599	DT	26	18	0
1561	1542	DT	35	30	0
1562	1603	DT	36	17	0
1563	1604	DT	37	17	0
1564	1444	FRK	41	37	0
1565	1545	FRK	47	338	0
1566	1449	GA	01	43	0
1567	1546	GG	08	14	0
1568	1548	GN	43	384	0
1569	1549	GN	46	15	0
1570	1550	GN	51	24	0
1571	660	GR	01	24	0
1572	1551	GR	03	19	0
1573	1521	GS	02	59	0
1574	1637	GS	05	164	0
1575	1554	GS	14	14	0
1576	1555	GS	23	18	0
1577	1516	GS	26	105	0
1578	812	IND	01	13	0
1579	1560	IT	01	41	0

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2019 SAIFI Ranking	2018 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIFI Value
1580	1658	KB	08	13	0
1581	937	KB	13	29	0
1582	NEW	MID	05	358	0
1583	1666	PK	05	103	0
1584	1670	PK	41	91	0
1585	1563	PK	43	345	0
1586	1530	PK	44	659	0
1587	1565	PK	46	224	0
1588	1567	PK	48	12	0
1589	1568	PK	49	15	0
1590	1573	SF	08	79	0
1591	1329	SF	09	32	0
1592	1574	SF	10	21	0
1593	618	SF	12	451	0
1594	NEW	SPW	61	625	0
1595	NEW	SPW	64	141	0
1596	1578	SR	04	124	0
1597	621	TAN	46	150	0
1598	1522	UL	41	238	0
1599	1401	WD	44	11	0
1600	682	WLO	47	19	0

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Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

1,600

Add or Delete Rows as Necessary

CenterPoint Energy

2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
1	616	CS	03	1779	1091.7058
2	49	VL	04	2354	1066.4585
3	639	KW	42	4502	1054.7095
4	90	AT	41	2520	973.1731
5	240	GW	03	342	896.8997
6	684	UW	06	233	868.1905
7	383	FP	03	47	810.52
8	1483	GA	08	55	806.1213
9	98	CS	02	1627	782.4274
10	77	ST	16	1328	769.8131
11	751	RU	04	1630	755.1211
12	22	GW	06	858	737.2127
13	469	DV	06	1924	710.4216
14	753	BL	02	1534	706.6118
15	61	KW	41	4406	706.4073
16	665	OR	03	810	700.4754
17	234	AD	11	1709	661.4366
18	1120	BR	09	859	651.1578
19	489	BL	10	629	649.0636
20	529	SE	04	751	635.3949
21	994	RS	08	408	631.0958
22	448	SPW	43	3058	629.3493
23	1020	FT	09	2077	625.4322
24	299	SF	02	453	623.0858
25	196	TB	03	823	618.6403
26	243	BC	09	444	609.2081
27	11	WC	01	308	604.0201
28	1416	CL	04	63	599.3203
29	1143	BC	08	1730	597.1344
30	323	CRB	42	2262	596.0041
31	759	WO	02	1894	589.0381
32	876	SA	48	532	585.8256
33	710	WZ	42	708	571.1827
34	130	LK	01	971	565.9439
35	670	KB	02	831	561.2442
36	280	OR	02	409	556.4257
37	803	NEW	03	858	554.3832
38	506	HB	43	2756	545.071
39	140	LU	45	4028	541.1187
40	882	HV	07	1477	537.9169
41	259	WT	06	683	535.3554
42	156	UL	48	2111	529.3754
43	621	BH	08	2711	529.0109

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
44	809	SPW	52	4804	509.7153
45	1391	FL	42	3391	506.7844
46	390	WR	11	1380	503.2936
47	715	TWG	43	3209	500.6271
48	338	KG	44	5661	496.8763
49	23	HB	04	631	487.9979
50	845	ME	08	29	486.641
51	424	TRN	42	62	478.1132
52	967	RS	03	825	472.7525
53	69	LK	10	2396	470.8086
54	239	ME	03	941	461.5971
55	833	LJ	07	2470	461.2162
56	19	PO	02	1112	457.5575
57	920	BM	01	1728	457.2375
58	99	EB	05	638	456.2371
59	51	SPW	50	5282	455.9827
60	337	AN	09	1508	455.5747
61	571	CE	09	1282	455.4858
62	1018	LU	02	1059	455.2711
63	1437	EL	09	1625	446.3818
64	900	FD	07	1033	446.0967
65	84	OR	01	48	444.7283
66	379	HM	01	2056	444.5783
67	20	TM	05	33	444.073
68	296	FR	47	4114	441.1624
69	325	OA	07	919	439.0271
70	1047	IR	02	1070	433.8318
71	1028	VL	07	239	430.8442
72	306	WO	04	1717	428.5724
73	215	BW	12	60	427.3318
74	539	SC	04	328	427.1612
75	121	KW	44	3547	427.0645
76	118	TO	04	332	425.3656
77	470	ME	04	1626	424.3805
78	1254	SIE	42	2490	423.9187
79	195	BL	06	1443	422.0304
80	564	BAR	42	4427	421.4617
81	905	LJ	06	756	420.4925
82	907	WBY	01	431	419.3223
83	802	EB	07	734	419.2033
84	615	WR	13	1270	417.659
85	1067	AM	05	2440	416.3065
86	211	AD	04	2018	412.5497
87	13	AD	01	702	412.1847
88	832	VL	02	806	411.7485
89	1364	FZ	53	4663	409.9735
90	777	PA	04	858	407.2302
91	182	KG	42	3654	405.9302

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
92	249	BL	05	1752	405.8259
93	533	WI	05	789	404.5047
94	50	PI	43	4320	404.0686
95	386	PI	46	3261	403.4619
96	1132	GG	09	1963	400.8404
97	948	AN	02	2504	396.9814
98	1234	GA	05	763	394.6124
99	68	BT	06	624	394.3625
100	568	HB	51	3983	394.2346
101	401	BY	09	1458	393.6057
102	1127	ST	12	800	392.9237
103	746	GE	45	4978	392.3877
104	17	BA	47	3281	392.0698
105	1135	ST	09	1114	391.005
106	152	KW	45	4436	390.9014
107	546	BI	07	1133	390.2854
108	341	HG	02	1267	388.7125
109	463	UW	03	1140	387.2352
110	841	MC	03	820	386.6015
111	260	UN	09	867	385.6511
112	421	OA	01	703	384.7915
113	15	VL	03	1328	382.6265
114	641	BT	01	1070	381.4408
115	520	SA	52	5170	380.6184
116	203	BA	02	1277	379.1018
117	694	ME	01	1626	379.0001
118	66	BA	44	3814	378.592
119	303	BR	10	1233	378.3575
120	1576	SPW	44	2072	378.2579
121	1348	BU	02	108	378.0585
122	904	ST	06	998	377.6037
123	434	RO	41	3070	376.9882
124	180	AD	03	767	376.163
125	1156	CB	01	1753	375.5764
126	47	FM	01	378	374.0937
127	673	LB	02	1918	373.7741
128	391	TB	02	736	372.3278
129	1533	BI	47	689	372.3044
130	62	KDL	42	3227	371.5757
131	1149	SR	05	602	370.465
132	31	GP	07	1073	370.4368
133	736	BR	01	726	369.6125
134	126	SP	11	2018	368.7395
135	553	LB	06	141	367.9477
136	214	WL	42	1169	365.4347
137	825	HOC	01	1093	359.8943
138	594	BE	01	2166	359.3649
139	764	GN	06	858	358.7877

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
140	518	HV	03	930	354.0562
141	1380	GN	09	654	353.7252
142	NEW	JP	08	455	353.5605
143	218	LK	06	1504	350.4969
144	901	HV	02	284	349.7052
145	686	BL	04	1531	347.0692
146	227	PW	02	3245	346.6424
147	35	AE	06	956	346.4829
148	54	BR	08	964	345.4553
149	426	AD	06	728	344.5082
150	1084	NB	43	5120	343.4439
151	659	WI	45	2940	343.127
152	1263	IR	04	1186	341.8597
153	1216	AF	08	2488	340.638
154	393	RU	02	1505	340.4548
155	1290	HG	03	91	337.1274
156	939	DL	45	3322	335.9403
157	1226	NSH	03	154	335.1598
158	800	BW	09	45	334.886
159	617	KM	02	1533	332.5723
160	1502	MC	04	418	332.326
161	1504	GL	03	313	331.9324
162	872	ES	07	349	331.2701
163	307	FP	05	83	331.0594
164	966	DH	07	708	331.0328
165	758	TO	06	806	330.6392
166	1118	SA	43	4861	329.5311
167	688	SB	01	2251	328.535
168	138	KG	41	1150	328.2134
169	38	TB	45	2488	326.9845
170	284	PI	42	3897	326.6053
171	756	AN	10	1513	325.0707
172	1485	BL	01	1246	324.2154
173	187	HM	06	2881	322.8434
174	347	CE	02	1484	321.7766
175	938	DV	05	1469	321.5334
176	70	LV	03	758	320.6568
177	378	WO	03	1842	319.4908
178	681	UV	06	1638	317.6468
179	485	WR	10	1803	317.4472
180	278	RU	01	1434	316.3736
181	28	NP	41	2786	316.322
182	346	CA	08	953	316.2256
183	396	FP	06	2195	316.1175
184	105	HM	03	1941	315.4223
185	1432	ST	11	1113	315.3585
186	53	HB	48	2996	314.3253
187	604	KL	46	3726	313.7758

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
188	96	RZ	01	661	313.1511
189	161	GG	04	1088	312.131
190	1306	KG	45	3706	311.9112
191	1053	DV	01	588	311.7312
192	313	TM	04	382	311.7235
193	212	RO	42	1301	310.666
194	741	BH	07	637	310.6625
195	691	RU	03	1902	309.8247
196	807	DN	06	1325	308.2102
197	1107	GZ	46	1476	308.1748
198	223	LK	05	922	307.8202
199	912	ES	08	654	307.6883
200	117	SA	49	1519	306.4478
201	349	BL	08	1847	306.2679
202	358	NB	46	2605	306.1718
203	654	ADK	42	881	305.9524
204	896	WO	01	1313	305.7065
205	387	AR	45	4457	302.9719
206	266	AD	07	1696	301.9811
207	450	LJ	08	1775	299.8923
208	189	AV	02	1379	299.4393
209	279	WF	48	9554	298.8697
210	137	LK	04	1872	298.303
211	94	LB	03	406	297.6346
212	251	SP	01	1282	293.5472
213	682	PA	02	976	292.6055
214	889	EU	10	730	292.4419
215	75	GV	04	1393	291.5821
216	1122	ST	02	1468	290.9089
217	1535	DT	23	17	290.8712
218	334	CC	02	1677	290.7068
219	1108	STF	05	1598	290.6131
220	1071	NB	42	316	289.5925
221	1183	FZ	42	5151	288.6138
222	680	NS	04	1829	288.2599
223	110	LB	07	530	287.4892
224	850	LV	01	906	286.4583
225	906	MU	01	1725	285.8326
226	602	KI	43	3045	285.6539
227	247	BA	43	3707	285.3884
228	8	OR	41	537	284.3445
229	370	DN	05	255	283.7633
230	929	UV	08	527	283.2885
231	630	KL	41	3046	282.1818
232	1002	MAR	47	3066	282.0143
233	170	JOR	44	3085	281.391
234	880	WR	12	1627	280.9697
235	1175	EU	03	1851	280.2425

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
236	1509	JP	05	18	279.77
237	551	DA	05	719	278.777
238	1230	DL	44	3667	278.7038
239	176	MP	03	2175	278.2791
240	3	WF	45	1320	277.4339
241	846	FD	10	2128	277.0388
242	237	BAR	44	4442	275.9928
243	562	SPW	49	5847	275.866
244	958	GV	07	563	273.9619
245	683	BU	01	939	271.2395
246	1443	GL	02	101	271.019
247	828	LY	44	963	270.7274
248	385	KB	09	683	270.1071
249	43	UN	03	1550	269.6784
250	775	IM	43	2869	269.6423
251	697	BR	03	2055	269.0163
252	685	HL	05	917	268.7166
253	382	RU	06	1857	267.5893
254	160	LP	07	1132	267.4641
255	270	QV	06	1097	267.1245
256	1041	GZ	41	4416	266.9041
257	554	TB	44	1566	265.9162
258	253	MC	01	1626	265.8895
259	414	FR	43	3424	265.0115
260	1431	CB	04	1365	264.3576
261	1643	GS	27	240	261.9135
262	1215	BI	06	1466	261.5911
263	101	PI	41	3601	261.3724
264	123	CV	02	676	260.8879
265	1229	RS	05	2075	260.7443
266	543	BT	05	2102	259.6851
267	1526	ST	14	645	259.4927
268	295	BY	06	2091	258.6943
269	932	HT	02	3379	257.1134
270	593	DH	05	1836	256.7814
271	446	GP	04	649	255.9047
272	286	RZ	02	1820	255.5038
273	714	BR	04	906	255.4552
274	33	GG	06	1511	255.2017
275	271	PE	04	1671	254.6485
276	169	MB	05	2185	254.339
277	582	AD	05	1386	253.9882
278	147	SE	41	1915	253.8101
279	210	SF	48	1102	253.6043
280	1247	WO	13	496	253.2721
281	556	FD	01	1641	252.4415
282	726	WI	07	1308	252.2404
283	1426	DN	04	1927	251.9053

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
284	255	NV	04	1010	251.4333
285	1369	WT	03	554	250.3488
286	634	THW	42	2708	249.6546
287	475	WT	02	2024	249.4826
288	703	LP	05	1249	248.8129
289	NEW	HV	42	1403	248.3164
290	245	UN	10	1495	247.8915
291	613	HL	06	4048	246.5086
292	135	WA	43	940	245.5488
293	351	MP	06	370	245.0914
294	92	WA	44	679	244.9476
295	228	FL	46	4720	244.8803
296	755	BAR	45	2743	244.3698
297	953	SO	42	676	242.5247
298	530	FD	16	1236	242.0965
299	1258	UL	49	1217	241.1256
300	1478	GT	05	1940	240.7248
301	849	BZ	06	2210	240.597
302	1064	AI	07	54	240.0793
303	41	GW	07	1391	240.0041
304	891	LK	08	1508	239.5561
305	512	MC	05	2070	239.2633
306	355	MU	02	1004	238.7639
307	294	WW	02	656	238.6377
308	352	WV	01	107	237.9927
309	479	HM	09	3135	237.4451
310	847	STW	01	1205	236.5083
311	449	LW	42	1862	236.352
312	404	KL	42	3347	236.1447
313	73	HV	08	1867	235.7894
314	191	MV	03	830	235.4708
315	968	GT	01	764	235.3595
316	502	CL	07	997	234.9846
317	455	KW	46	3197	234.3651
318	620	LU	42	2960	234.3587
319	78	KDL	46	2936	233.1906
320	153	UN	02	2095	232.8214
321	986	GN	12	1398	232.7642
322	791	PI	47	3714	232.4073
323	405	PW	03	2510	231.3056
324	1286	GT	08	1209	230.9793
325	183	CC	03	2111	230.3701
326	721	GV	06	1480	230.0895
327	980	RA	42	4444	230.0189
328	652	TB	43	1787	229.8666
329	810	FD	03	1028	229.6136
330	1493	AM	06	732	229.0229
331	737	PI	44	4039	228.613

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
332	221	EB	06	1296	227.5619
333	995	ES	06	2644	226.881
334	713	SDY	04	420	224.7701
335	1501	PK	02	14	224.5821
336	30	SO	47	2269	224.4938
337	1395	IT	41	37	224.1805
338	1452	KT	47	893	224.1184
339	491	UN	11	841	222.8905
340	103	HOC	03	1491	220.9729
341	188	ME	05	1375	220.455
342	40	PJ	04	1466	220.0372
343	524	HA	01	1619	219.9088
344	21	KW	43	4496	219.8144
345	859	NEW	01	721	219.6187
346	1507	CR	08	726	218.9886
347	217	CRB	44	2281	217.8244
348	155	WLO	44	3562	217.7598
349	778	NV	01	1127	217.6456
350	139	SIE	44	3917	217.3502
351	521	DH	09	1250	216.797
352	1518	MC	07	631	215.548
353	10	KL	45	3061	214.9094
354	707	FZ	41	5836	214.1604
355	95	HV	01	1104	213.8888
356	1294	HE	04	1701	212.5955
357	433	JN	11	2085	211.6635
358	806	LK	07	1242	211.5803
359	134	HNY	05	1376	210.8406
360	407	TWG	41	6345	210.7032
361	417	UW	02	1618	210.6114
362	384	BA	42	5093	210.5656
363	871	SC	05	32	210.5097
364	624	CV	03	943	210.3421
365	37	TRN	04	837	210.1205
366	1425	NV	02	1595	209.9372
367	367	CYF	41	2625	209.762
368	345	LJ	04	1444	209.6514
369	503	AL	10	2099	209.5436
370	829	TE	03	1434	209.4929
371	724	BL	07	2466	209.1322
372	276	HK	45	1231	208.7183
373	704	HOC	07	1586	207.9257
374	200	HA	05	1108	207.9207
375	1337	STF	08	199	206.9825
376	493	FT	08	1158	206.9583
377	252	NP	43	2698	206.7672
378	915	BV	42	2974	206.728
379	1418	MID	03	1520	206.5867

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
380	769	IM	44	2954	206.5285
381	398	KT	49	3558	206.4456
382	779	FD	05	1539	204.7538
383	1472	WO	09	270	203.8167
384	962	SIE	41	3272	203.6216
385	1046	CR	04	1990	203.1855
386	812	CYF	46	3221	203.0538
387	124	NB	41	6479	203.0168
388	1484	HA	09	1474	202.5452
389	844	FD	14	2405	202.2263
390	29	TE	08	837	202.139
391	944	CR	06	1114	202.0935
392	1274	AI	06	109	201.7184
393	1031	SO	43	4313	201.0102
394	199	TRN	07	806	200.5622
395	1093	PHR	03	1179	200.3241
396	720	AE	05	318	200.1355
397	179	EC	07	714	200.019
398	422	OA	05	1471	199.4812
399	933	DR	01	1583	199.3126
400	974	CB	07	1953	199.3103
401	767	KB	10	854	198.9506
402	911	BR	13	738	198.2634
403	6	PW	08	311	198.1248
404	209	BT	07	2140	197.6079
405	NEW	BU	04	20	196.845
406	1374	CB	10	1817	196.816
407	708	CG	03	1482	196.7178
408	607	TAN	41	565	196.499
409	1270	LJ	02	1620	195.7573
410	324	AM	02	2188	195.7064
411	536	BY	08	1665	194.548
412	374	OA	04	1698	193.7933
413	241	KM	06	1979	192.8602
414	983	BY	07	1278	192.8137
415	343	WO	14	2078	192.6652
416	111	RT	01	342	191.9487
417	645	WT	12	749	191.7189
418	608	RA	46	4434	191.6002
419	780	BM	07	433	190.3094
420	312	LU	41	4172	190.28
421	115	PI	45	3805	190.2561
422	171	AT	42	3799	190.1079
423	1329	UV	02	778	189.9743
424	1026	GP	08	1401	189.8893
425	1079	KN	05	2104	189.7214
426	18	BR	07	1132	188.5349
427	1497	EU	06	546	188.3926

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
428	567	GV	03	1222	188.3544
429	696	DA	04	853	187.5907
430	409	BAR	47	4533	187.407
431	742	DH	03	61	187.2205
432	231	CYF	49	1683	186.9435
433	678	FM	03	288	186.8433
434	1399	FAN	47	4471	186.075
435	NEW	HA	12	1393	185.8975
436	389	EC	14	821	185.7361
437	590	LC	02	242	185.3805
438	288	LW	47	1345	185.2436
439	574	NM	05	2953	185.1316
440	1479	AI	09	58	185.0769
441	1351	FZ	48	2649	184.7508
442	67	WE	05	10	184.72
443	364	CV	10	2731	184.5322
444	178	RT	02	497	184.0034
445	1392	HK	47	2978	183.8249
446	723	FT	07	2198	183.6179
447	1154	JN	03	1759	183.4064
448	142	CS	01	1789	183.2966
449	326	THW	44	3958	182.6539
450	344	PW	04	1349	182.3673
451	141	BW	05	1493	182.1976
452	250	PZ	46	2137	181.9134
453	27	BY	10	1234	181.8284
454	1404	FW	02	520	181.6112
455	356	HR	03	2420	181.1651
456	1299	DR	03	2017	181.0654
457	316	SW	07	1837	179.9888
458	1151	CRB	47	3375	179.4425
459	79	AN	04	1762	179.2119
460	158	CL	06	658	179.1492
461	752	LM	03	851	179.1444
462	57	WA	42	1254	178.7777
463	606	HR	01	1359	177.9888
464	198	MY	04	1786	177.4733
465	163	SE	43	804	177.2154
466	1236	HM	10	1130	176.8245
467	1162	ST	13	1621	176.5575
468	1146	FD	15	762	176.1954
469	175	KL	50	4434	176.1511
470	978	BT	04	1780	175.8609
471	865	WF	05	1298	175.8058
472	89	ADK	48	3625	175.6425
473	232	LB	04	396	175.1009
474	4	SW	09	1974	174.9005
475	718	BE	02	1765	174.4619

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
476	1	NM	01	799	174.2697
477	959	GP	03	66	174.2174
478	545	HL	04	544	174.1347
479	NEW	RED	03	442	174.0992
480	1349	WO	11	64	173.9447
481	120	HB	03	352	173.7555
482	125	BG	01	1153	173.1485
483	526	WO	05	1403	172.8163
484	625	SIE	47	3690	172.5538
485	914	CA	06	889	172.4885
486	1083	STF	06	494	171.4239
487	45	PJ	02	1122	171.1593
488	1296	MAR	45	3172	170.8464
489	1195	ST	05	1062	170.7921
490	952	BI	41	2711	170.7333
491	1024	DL	43	2100	170.4036
492	618	CK	03	1266	170.2386
493	744	MP	05	1815	170.0106
494	1455	FP	04	19	169.1226
495	1027	BV	41	3476	169.0784
496	657	HA	04	1712	168.9162
497	NEW	HV	41	1694	168.8002
498	987	STW	05	897	168.5382
499	273	FD	11	1792	168.3724
500	1450	CA	04	1268	167.9656
501	427	AD	09	2112	167.5319
502	818	TE	10	505	167.4581
503	495	WT	04	699	166.9623
504	246	THW	48	3372	166.5615
505	205	SA	03	683	166.4225
506	1415	DE	04	742	166.378
507	856	AN	01	885	166.3539
508	500	SIE	43	2949	166.281
509	1223	SR	12	974	165.9304
510	614	RZ	03	1214	165.8673
511	1022	BH	04	550	165.8654
512	648	CV	11	911	165.7173
513	44	LY	46	274	165.4376
514	371	WF	43	399	165.4326
515	277	NS	05	2213	164.9955
516	1285	BZ	09	582	164.8604
517	1169	WF	46	6769	164.8102
518	52	CRB	46	2973	164.5883
519	1199	GA	07	1799	164.1027
520	335	AF	11	2066	163.593
521	167	WT	08	196	163.4011
522	468	LB	01	1511	162.949
523	1110	LY	41	973	162.8463

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
524	236	JP	04	27	162.8263
525	636	SH	07	877	162.5534
526	811	EC	13	321	162.445
527	1259	KT	41	1287	162.2696
528	1352	ST	08	637	161.0032
529	940	KDL	45	4644	160.9959
530	805	GN	10	1686	160.9654
531	143	WT	05	717	160.9311
532	318	HM	04	2053	160.8343
533	184	BAR	46	4953	160.5754
534	1086	RO	05	1004	159.9638
535	487	HE	08	1829	159.5748
536	837	BA	46	3256	159.2406
537	285	HOC	04	1380	159.2056
538	1003	CG	02	1914	159.0054
539	235	MAR	41	3291	158.9485
540	851	GT	13	1176	157.5017
541	1096	SR	06	1259	157.4438
542	642	TO	10	2154	156.9729
543	32	AD	02	2156	156.7557
544	1402	BZ	08	880	156.6034
545	267	KDL	43	4095	156.3943
546	365	BAR	48	4857	155.8905
547	1362	RS	04	1806	155.141
548	283	LW	44	2542	155.117
549	46	FR	41	1385	155.1153
550	1564	PK	45	25	154.8472
551	360	DR	07	1475	154.7452
552	943	SR	03	1275	154.5271
553	666	STF	43	2122	154.3664
554	1125	HE	11	1737	154.2362
555	1689	SPW	45	3001	153.9904
556	558	AM	04	1626	153.1524
557	796	LK	02	2191	153.0634
558	9	TRN	41	27	152.74
559	265	LK	09	934	152.3457
560	1393	KM	04	1540	152.2807
561	1265	ST	07	1221	152.1814
562	202	WBY	03	1812	151.8352
563	164	EU	02	589	151.8347
564	855	RS	02	1789	151.8169
565	1339	LP	03	300	151.3405
566	14	HK	43	1861	151.1662
567	136	BV	43	1206	151.0511
568	1345	WW	03	1695	151.026
569	315	AN	08	857	150.9966
570	292	FW	05	736	150.6785
571	843	WT	11	346	150.4171

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
572	403	SF	42	1777	150.4004
573	269	GG	05	21	150.3295
574	783	AN	05	1772	150.3146
575	892	BA	41	4231	149.9703
576	1116	CB	02	1103	149.8063
577	1037	WLO	42	2984	149.6154
578	408	QV	07	361	149.4924
579	361	HK	41	668	148.7728
580	579	GP	06	1383	148.6182
581	1134	CB	06	918	148.382
582	601	GZ	42	1361	147.6536
583	1201	SH	02	1428	146.8471
584	1486	AM	03	437	146.7727
585	311	SW	08	1515	146.6767
586	354	BZ	02	711	146.635
587	465	PHR	01	3090	146.5778
588	1051	TO	05	1343	146.2684
589	272	LB	05	1331	145.9684
590	263	GG	07	1445	145.9015
591	1332	SB	02	1348	145.5028
592	1310	GZ	45	5911	145.0034
593	NEW	RED	06	1882	144.946
594	1400	CRB	45	3369	144.9052
595	1491	MP	07	545	144.6401
596	261	WA	41	182	144.3501
597	557	UN	05	1056	143.836
598	706	CB	03	854	143.5914
599	651	HA	08	1589	143.521
600	631	TIK	01	1097	143.0605
601	560	AL	06	1218	142.6718
602	317	FD	13	1843	141.8579
603	328	WW	09	1613	141.6054
604	1171	CC	01	1620	141.5888
605	466	KB	17	1196	141.5132
606	197	KL	49	2596	141.2511
607	1052	KL	43	2685	141.2147
608	222	ADK	45	1322	141.0213
609	549	AL	08	1388	140.8359
610	107	EU	07	2191	140.5551
611	743	PA	09	1109	140.0299
612	1004	TO	01	1992	139.9507
613	1202	CE	04	1468	139.8896
614	890	PE	07	1615	139.873
615	1032	HOC	05	945	139.5413
616	159	KG	46	5268	139.4976
617	1073	DR	09	279	139.0229
618	883	RS	06	51	138.6816
619	64	AR	46	5256	138.66

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
620	1188	GS	22	1726	138.636
621	729	BG	04	1018	138.5868
622	1012	CG	04	1573	138.463
623	881	CV	06	1282	138.12
624	25	PW	05	2206	138.1039
625	471	LY	49	197	136.9523
626	695	OB	41	3435	136.5691
627	1152	AF	10	1068	135.7576
628	1305	JP	01	30	135.5983
629	1124	ME	10	648	135.4914
630	1320	MAR	46	2505	135.3291
631	474	BZ	05	966	135.237
632	1376	BI	08	907	135.1441
633	425	SR	15	2203	135.0128
634	740	MV	02	742	134.5775
635	128	PI	48	3752	134.533
636	575	QV	10	842	134.5112
637	1262	GT	10	587	134.3419
638	413	BM	03	1648	134.2329
639	1319	FT	03	1088	134.1486
640	717	JN	07	1670	133.4628
641	1025	UL	02	1130	133.1868
642	611	KI	46	2910	133.0666
643	622	EC	04	1540	133.041
644	439	HG	04	1887	132.9108
645	647	QV	01	1425	132.9011
646	781	UL	03	518	132.7398
647	664	GG	10	1905	132.3027
648	297	UN	08	1321	130.9943
649	208	GG	01	1069	130.677
650	863	AR	44	3211	130.6078
651	945	PW	01	1464	130.1361
652	1160	WE	08	1397	129.5187
653	528	PE	01	1626	129.1423
654	437	PA	03	2212	128.8143
655	1179	MAR	42	3220	126.9322
656	145	SO	50	5703	126.9176
657	1099	CV	01	2277	126.7965
658	597	WV	03	1880	126.5924
659	480	LA	04	1464	126.4502
660	100	ST	01	1193	126.3749
661	1014	HX	02	1280	126.1559
662	458	BH	09	1322	126.0281
663	1029	BI	46	1219	126.0253
664	104	LY	43	490	125.9343
665	293	AD	08	2201	125.8261
666	419	LJ	01	1093	125.8163
667	1077	RS	01	843	125.7885

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
668	244	WD	45	593	125.5949
669	1458	JOR	43	805	125.5424
670	1186	HNY	01	461	125.368
671	254	HM	02	1920	125.0481
672	646	SF	03	709	124.953
673	60	BZ	01	1004	124.9218
674	63	CE	01	1730	124.834
675	956	LW	43	1805	124.6845
676	207	SW	03	1925	124.4097
677	1252	MP	04	1244	124.3918
678	765	DE	08	456	124.1969
679	460	HY	10	1799	124.0628
680	772	KI	48	2938	123.9351
681	988	FR	48	3155	123.8342
682	569	PE	06	1404	123.5548
683	676	WF	41	3119	123.552
684	357	WO	07	2539	123.5051
685	1589	BZ	03	2021	123.3499
686	1315	IR	06	1461	123.2847
687	1436	WLO	43	3308	123.2195
688	305	TE	01	1596	123.1898
689	1469	RO	07	2133	122.9289
690	287	CE	07	1719	122.4888
691	679	DV	10	1314	122.2615
692	787	FT	05	981	121.7194
693	16	WO	12	1565	121.7097
694	116	SW	04	682	121.6
695	510	HK	44	1154	121.5173
696	1410	RS	07	850	121.3238
697	934	RE	09	948	120.6215
698	919	TO	09	1215	120.5807
699	256	HL	07	839	120.1956
700	1495	UL	13	3651	120.122
701	1287	AF	09	2051	120.0881
702	108	UL	46	3505	119.9699
703	1150	DE	07	1259	119.9295
704	730	CD	12	1152	119.9118
705	763	UV	05	1248	119.2001
706	406	IM	47	1333	119.0441
707	441	AL	07	1272	119.0247
708	342	UN	01	857	118.7808
709	834	PA	06	1566	118.4942
710	592	WE	06	557	118.3788
711	853	MY	03	1532	118.0832
712	1181	DR	02	2453	117.6545
713	1311	HP	02	1393	117.6091
714	970	FD	04	1139	117.5998
715	1275	GS	09	88	117.35

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
716	973	KDL	47	1075	116.9914
717	1137	BG	07	2021	116.331
718	154	HM	07	1154	116.188
719	997	FRY	41	3919	115.8699
720	88	SR	13	1101	115.829
721	1141	GE	49	5844	115.8047
722	894	KB	01	1463	115.5665
723	327	AV	03	901	115.4756
724	497	MAR	43	1915	115.3623
725	148	WO	08	1268	114.9205
726	350	SF	46	2015	114.8765
727	1065	HOC	09	1754	114.683
728	1301	GS	20	218	114.339
729	656	SP	05	1977	113.99
730	381	SF	15	660	113.5625
731	129	MP	02	1540	113.5587
732	59	KT	46	1201	113.5402
733	329	BH	06	137	113.431
734	527	BA	03	1140	113.2902
735	1419	UV	07	1550	113.2482
736	418	RE	03	1093	113.2441
737	909	FP	07	1819	113.0843
738	671	QV	09	1080	112.9627
739	509	HB	47	1464	112.9113
740	534	GV	02	1750	112.4595
741	815	WR	09	1776	112.2618
742	585	BR	12	1510	112.1789
743	663	LJ	05	785	111.7484
744	981	WI	01	2299	111.7269
745	369	SB	06	1722	111.6985
746	122	BT	02	2034	111.6898
747	1148	SH	08	1466	111.6698
748	523	MB	02	46	111.425
749	82	HL	03	575	111.3563
750	1070	BG	03	1068	111.057
751	1007	TO	11	1342	110.8541
752	1109	MB	04	890	110.7543
753	722	SF	14	334	109.949
754	71	EC	08	1229	109.8152
755	1085	SP	09	2772	108.9764
756	359	DE	06	1157	108.9144
757	669	SA	01	1040	108.7587
758	1080	SB	08	839	108.6469
759	577	HY	08	1433	108.3131
760	1161	OB	42	2754	108.1821
761	541	WT	01	1218	107.6559
762	511	SH	12	858	107.5467
763	1412	DV	09	2358	107.2714

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764	166	RU	05	1687	107.2521
765	675	SE	01	904	107.1686
766	515	STF	41	1039	107.151
767	1177	HL	02	1817	107.044
768	661	GA	03	468	107.0082
769	1266	NS	02	1602	106.9449
770	595	HM	05	2552	106.6999
771	380	HOC	02	1731	106.3575
772	435	WV	02	745	106.355
773	216	QV	08	919	106.1739
774	1367	DR	06	796	105.9599
775	672	NS	01	1973	105.8708
776	157	ME	02	870	105.353
777	363	QV	02	1301	105.3038
778	1164	SA	47	1036	105.205
779	97	LU	03	995	104.7329
780	416	HA	07	1474	104.6952
781	690	AI	10	41	104.6783
782	898	HB	50	3493	104.2003
783	897	CG	06	918	104.1088
784	132	BU	03	41	104.0398
785	492	BI	02	1441	104.0363
786	1322	LP	01	56	103.8702
787	1115	DL	41	4498	103.7531
788	459	KL	47	3114	103.6947
789	173	HV	04	1657	103.6171
790	644	GL	10	926	103.5009
791	289	BG	09	262	103.4773
792	242	TWG	45	2154	103.3576
793	903	SP	03	1522	103.2479
794	186	KL	48	3802	103.2057
795	1076	GT	04	1270	103.1999
796	330	CRB	41	2071	102.9366
797	817	BG	02	2614	102.879
798	NEW	WD	50	1286	102.7895
799	230	HNY	07	590	102.62
800	762	BY	02	1524	102.3933
801	146	AN	06	1109	102.2946
802	638	WZ	45	3907	102.261
803	580	RE	02	1150	102.2329
804	1343	FZ	50	3771	102.0866
805	868	WW	10	1958	102.0782
806	447	TB	47	4882	101.6208
807	486	NM	04	1186	100.9061
808	982	WW	07	1994	100.8649
809	733	FW	03	2082	100.1166
810	308	LW	45	2538	99.7416
811	1011	KB	12	1066	99.5981

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
812	598	FR	44	6348	99.5888
813	333	IM	46	1391	99.467
814	1187	HE	01	1439	99.356
815	873	RE	07	1511	99.1161
816	1126	WZ	43	1660	98.6541
817	1165	DA	06	451	98.6105
818	548	TWG	44	5648	98.4456
819	935	FR	45	3218	98.3584
820	908	STW	03	1974	98.1845
821	735	BE	03	1610	98.0187
822	999	CK	04	1353	97.9176
823	2	OA	03	45	97.698
824	1251	CL	01	130	97.6763
825	496	CD	11	1133	97.6301
826	561	HY	13	719	97.5971
827	1378	IR	01	797	97.571
828	431	NS	06	1625	97.4656
829	768	PA	05	1547	97.4176
830	1406	SF	01	637	97.2592
831	1035	UW	05	998	97.0805
832	1009	MAR	50	3644	97.0583
833	565	KI	41	2233	97.0241
834	1231	TE	02	541	96.8697
835	423	RE	05	1388	96.6588
836	394	EC	11	707	96.3977
837	36	SE	42	1064	96.294
838	185	TB	46	1914	96.193
839	946	KI	44	4274	95.9309
840	1000	TV	01	981	95.7685
841	NEW	PA	10	974	95.6739
842	304	UL	15	425	95.5973
843	225	ADK	49	1128	95.5812
844	1008	HR	02	1102	95.1838
845	93	WZ	44	942	95.1429
846	936	NV	03	961	94.7839
847	1244	SF	05	253	94.5274
848	310	WW	08	257	93.8289
849	1308	VCR	44	3172	93.7303
850	955	BG	06	1642	93.691
851	1087	PZ	42	3078	93.6559
852	517	SO	44	1462	93.5499
853	1210	PA	07	1399	93.5299
854	866	EC	06	592	93.5074
855	1030	TB	06	1143	93.1495
856	1241	CE	11	2604	93.0869
857	1193	FZ	46	3462	93.0854
858	302	CD	04	1397	92.5692
859	1050	CYF	47	4368	92.2508

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
860	739	PO	05	1189	92.233
861	550	DE	01	1269	92.1425
862	1528	FAN	46	587	91.9832
863	1054	SIE	45	1993	91.6497
864	1390	WZ	48	1061	91.6409
865	895	WZ	47	4002	91.6167
866	457	WW	04	904	91.5888
867	1168	AF	02	1576	91.4448
868	213	KDL	41	3796	91.4156
869	782	KI	49	2862	91.1701
870	366	LC	01	268	91.0929
871	86	JP	06	261	91.0095
872	428	KN	06	2341	90.7531
873	870	MC	06	863	90.2269
874	963	DH	02	1129	90.1925
875	462	GW	02	2203	90.1908
876	902	CR	03	2076	89.7716
877	612	HM	08	1206	89.6663
878	786	HX	01	1687	89.3239
879	749	LP	02	392	89.2854
880	748	PZ	44	5128	89.0863
881	1506	LP	04	652	89.0449
882	454	IM	41	1579	88.8982
883	1033	GT	06	641	88.736
884	257	LU	43	3508	88.0936
885	698	WF	42	3698	88.0542
886	745	MY	07	1061	87.7199
887	440	LU	04	1529	87.7103
888	991	AF	04	1603	87.7088
889	572	GG	03	2523	87.69
890	667	SPW	42	2576	87.5999
891	925	CB	11	2478	87.5335
892	576	GV	05	398	87.2804
893	1095	AL	09	1978	87.1653
894	1571	SC	02	12	87.0633
895	886	MP	01	2772	86.9752
896	954	BY	03	1599	86.7234
897	702	SW	10	1206	86.7101
898	1155	HE	02	1697	86.538
899	589	CL	03	1455	86.0683
900	1292	CR	01	2064	85.952
901	700	WEB	02	432	85.8845
902	727	FR	46	3878	85.8408
903	484	CL	05	1131	85.6897
904	85	GE	46	3347	85.4666
905	1214	MDY	02	91	85.3422
906	1173	PO	07	655	84.979
907	942	OA	06	1435	84.9745

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
908	1082	SP	04	576	84.9133
909	1119	JOR	41	555	84.8749
910	927	SH	01	1405	84.6672
911	1423	WW	05	3028	84.5322
912	822	AF	05	1607	84.4431
913	1019	OB	46	7588	84.4045
914	1261	CB	05	1894	83.656
915	353	TB	41	6259	83.6538
916	436	HX	03	507	83.5222
917	490	WI	06	1047	83.4499
918	1242	AF	03	2128	83.3575
919	1044	PO	09	2327	83.2907
920	992	ME	11	820	83.2159
921	5	WL	02	342	83.1171
922	NEW	CG	07	429	83.0336
923	226	SR	10	1259	82.8815
924	1208	HG	05	287	82.6953
925	1316	CE	05	2277	82.5734
926	1170	LP	06	181	82.5304
927	1372	VCR	43	2146	82.4879
928	887	DR	08	1140	82.4562
929	540	FM	02	364	82.3432
930	34	FR	49	4197	82.2807
931	24	BT	03	2140	82.2653
932	348	GP	05	663	82.2587
933	274	DH	04	2094	82.1992
934	760	KB	07	620	82.0533
935	1121	EC	02	1754	81.898
936	499	GL	07	2340	81.7524
937	633	DH	06	1130	81.7418
938	985	RA	44	6541	81.4756
939	788	RE	04	946	81.2976
940	219	WEB	09	703	81.2316
941	1557	GT	02	24	81.1283
942	505	JP	02	64	80.9838
943	754	GE	43	6685	80.7372
944	204	HA	11	1539	80.6784
945	NEW	PA	11	1708	80.6345
946	1346	FZ	49	3839	80.3199
947	339	BR	02	1052	80.1102
948	609	WO	06	1216	79.652
949	201	SA	41	459	79.4283
950	1291	ADK	47	458	79.3255
951	1100	DH	08	2357	79.2607
952	321	NM	06	853	79.0395
953	377	TWG	42	494	78.8524
954	918	SE	02	1379	78.8441
955	643	QV	03	1013	78.8264

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956	87	GW	01	2051	78.6766
957	119	HK	46	3783	78.6425
958	376	AN	03	1195	78.6386
959	1013	VL	06	422	78.6007
960	1277	GL	01	2094	78.5262
961	1209	CE	06	1910	78.3367
962	1245	STF	42	2051	78.2405
963	1398	JN	08	1220	78.1914
964	181	SR	08	1066	78.0709
965	1036	WI	04	2385	77.5418
966	563	PA	01	2492	77.0192
967	773	BW	01	48	76.9179
968	951	KB	03	1108	76.8933
969	1203	GT	09	1137	76.8043
970	1219	TE	07	1367	76.6102
971	362	FT	10	1143	76.4336
972	1191	HG	06	377	76.3245
973	1370	CYF	45	3107	76.3234
974	793	UL	45	3200	76.1546
975	168	PG	01	341	76.152
976	275	DH	10	2715	76.0747
977	388	FRY	45	972	75.6259
978	840	KT	44	3041	75.4856
979	1347	AM	08	3607	75.3222
980	1117	VL	01	912	75.1976
981	854	ST	04	1412	74.7789
982	776	GL	05	1446	74.4508
983	127	TB	42	3531	74.3852
984	42	GE	41	4194	74.2101
985	1264	CA	03	1362	74.1134
986	1354	TO	02	805	74.0494
987	581	HB	45	4380	73.944
988	1279	HT	09	548	73.8355
989	588	CA	02	1637	73.5808
990	477	JN	09	1554	73.0428
991	655	ST	10	628	72.4941
992	149	AT	43	436	72.3766
993	1304	DN	03	2154	72.3643
994	792	WD	46	1251	72.1557
995	926	STF	01	684	72.0544
996	1198	SCW	01	1929	71.7991
997	229	AR	43	3544	71.5423
998	1063	IR	03	1619	71.4683
999	813	BR	14	545	71.3517
1000	584	PE	03	1721	70.9255
1001	709	ES	03	1655	70.7195
1002	591	TO	03	413	70.6888
1003	1439	HE	05	1685	70.6533

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
1004	738	PHR	02	1858	70.3713
1005	368	LA	02	1514	70.3639
1006	443	WF	49	4987	70.2109
1007	314	DV	11	1104	70.1056
1008	888	TRN	05	1547	70.0698
1009	1249	HV	06	1339	69.9018
1010	532	LA	01	1539	69.8946
1011	1111	BW	07	2687	69.3852
1012	1049	SPW	41	2714	69.2057
1013	1257	IM	48	2335	69.1626
1014	1384	BI	42	2933	69.0406
1015	194	CYF	50	2739	68.958
1016	399	SF	07	19	68.7763
1017	1200	KM	03	135	68.7748
1018	1515	HY	01	2175	68.5615
1019	637	SCW	02	565	68.4667
1020	965	AR	47	3955	68.1677
1021	728	CV	08	1861	68.1429
1022	1289	DR	12	864	68.0024
1023	1094	LK	03	1132	67.9506
1024	1269	OB	48	4820	67.5682
1025	1340	SA	50	804	67.4017
1026	820	TAN	44	703	67.096
1027	519	CA	01	959	67.0184
1028	884	STF	02	424	66.9578
1029	58	AR	41	2120	66.5134
1030	649	BAR	41	6852	66.3451
1031	55	CL	09	404	66.1148
1032	874	UL	47	2909	66.0092
1033	478	KB	21	1210	65.96
1034	619	CD	09	1770	65.9198
1035	603	BY	04	1281	65.7068
1036	109	EU	09	1352	65.5476
1037	400	RE	06	1318	65.4715
1038	514	SA	54	2893	65.4081
1039	507	LW	41	4729	65.2523
1040	1246	KT	43	1993	65.0359
1041	320	LM	04	1283	64.6076
1042	1324	FRY	43	3452	64.5328
1043	910	CD	01	948	63.9038
1044	1228	HP	03	2513	63.7091
1045	1248	MB	09	1033	63.5393
1046	1142	TV	04	1248	63.5079
1047	1092	WLO	41	4333	63.4883
1048	1220	MC	02	598	63.4235
1049	429	SP	10	1407	63.0615
1050	1113	HR	04	2227	62.879
1051	1341	GA	09	2057	62.8573

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1052	1104	SO	46	3981	62.8553
1053	610	ES	05	1722	62.7719
1054	340	LU	44	3488	62.7593
1055	264	IND	04	12	62.755
1056	1112	LU	01	725	62.7359
1057	415	TE	05	1355	62.6645
1058	789	DN	01	863	62.5547
1059	1184	STF	04	860	62.2401
1060	1090	TV	03	1452	62.2327
1061	1401	HOC	08	1943	61.7651
1062	990	KN	03	606	61.739
1063	635	KL	44	4595	61.6807
1064	559	LY	47	515	61.6371
1065	692	OB	43	4588	61.4911
1066	801	HT	08	956	61.3384
1067	705	WZ	46	3916	61.1929
1068	869	HE	15	1547	61.1592
1069	1130	AF	07	1477	60.9961
1070	961	ADK	43	687	60.9071
1071	220	HY	11	1095	60.9046
1072	481	PA	08	1227	60.7499
1073	1328	MB	10	448	60.6943
1074	1267	FZ	43	339	60.6737
1075	1068	BY	05	1589	60.6623
1076	1105	KN	02	1421	60.5195
1077	957	BI	43	3374	60.4401
1078	172	WF	03	1162	60.261
1079	924	SP	08	1399	60.174
1080	923	KI	45	2668	60.0159
1081	555	DV	08	893	60.0083
1082	1204	TO	07	1322	59.9472
1083	578	GZ	48	157	59.9004
1084	74	SA	46	277	59.757
1085	878	MY	08	1550	59.736
1086	544	CV	07	1801	59.0783
1087	1476	ADK	46	27	58.8681
1088	547	LJ	09	3263	58.7944
1089	979	FL	41	5032	58.715
1090	1021	FW	01	781	58.6865
1091	1075	CD	06	602	58.2621
1092	206	FR	42	3633	58.1709
1093	452	MID	01	889	58.1082
1094	1038	BA	01	855	58.0284
1095	1023	MV	01	529	57.7835
1096	420	NB	45	1255	57.7728
1097	798	SB	03	1547	57.6278
1098	771	DN	10	1426	57.6051
1099	699	HP	07	2286	57.4222

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1100	456	WE	04	37	57.2443
1101	879	HOC	06	757	56.9643
1102	282	EU	05	1110	56.9435
1103	1466	BW	08	17	56.6541
1104	133	SO	45	5957	56.5163
1105	687	CB	08	903	56.3618
1106	1185	CB	09	1795	56.3434
1107	1057	WE	07	34	55.7515
1108	1317	MY	11	1134	55.7478
1109	298	CB	12	1653	55.7077
1110	258	HA	03	1566	55.2589
1111	747	BA	04	1270	55.1786
1112	233	CE	10	1643	55.097
1113	1499	WF	01	408	54.848
1114	1039	WBY	02	1183	54.8287
1115	1284	WI	43	4499	54.8204
1116	711	RA	45	2564	54.6164
1117	1428	AF	12	674	54.5245
1118	144	SA	45	4686	54.4531
1119	501	RA	43	967	54.3548
1120	1055	STW	02	1385	53.8516
1121	573	BA	45	3765	53.6939
1122	1278	BI	11	210	53.6881
1123	1482	FW	06	1346	53.6719
1124	1309	WF	44	4864	53.3463
1125	867	GZ	43	2978	53.282
1126	1335	QV	04	990	52.9297
1127	839	AD	10	538	52.8373
1128	1217	EU	01	400	52.7456
1129	522	ST	03	930	52.591
1130	476	DV	02	1785	52.2523
1131	650	GZ	44	3098	52.2011
1132	816	HY	06	2553	52.1389
1133	1409	SR	07	78	52.0414
1134	1371	KDL	44	2715	52.0392
1135	1420	CC	04	1313	51.6615
1136	1227	SH	09	1584	51.5291
1137	1072	SR	09	933	51.2846
1138	488	PJ	01	415	51.2427
1139	1088	SC	03	52	51.1658
1140	1470	HE	13	2122	50.9983
1141	947	FW	04	2000	50.9283
1142	1353	BI	04	589	50.7837
1143	766	HK	42	3264	50.6775
1144	1480	SH	10	1104	50.5642
1145	1225	AN	07	1891	50.529
1146	402	TRN	02	350	50.4402
1147	290	CD	10	1363	50.4252

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1148	1641	GS	21	18	50.3789
1149	1524	HT	06	1961	50.2366
1150	996	GL	09	1992	50.1822
1151	1434	RO	04	1579	50.0077
1152	1106	SA	42	899	49.9991
1153	151	NB	44	465	49.9949
1154	114	THW	47	3297	49.7027
1155	106	GL	06	1601	49.6157
1156	1281	WI	42	4777	49.3923
1157	442	EC	15	1599	49.392
1158	628	TE	04	550	49.0346
1159	1449	EL	10	852	48.9739
1160	516	THW	41	4269	48.9338
1161	1460	RE	08	827	48.7797
1162	NEW	RED	05	1048	48.7134
1163	498	THW	45	4309	48.6603
1164	1413	OB	49	1041	48.6518
1165	300	BM	04	770	48.6507
1166	1194	EC	05	712	48.6336
1167	1128	LJ	03	909	48.6013
1168	1297	WF	47	2357	48.4736
1169	993	FT	04	1724	48.4414
1170	931	MP	10	1067	48.4105
1171	917	MAR	48	2939	48.3694
1172	535	TB	48	3878	48.1767
1173	1182	NS	03	1328	48.1701
1174	1069	CD	08	1794	48.0846
1175	131	UN	04	295	48.0503
1176	1276	TRN	03	41	47.6876
1177	1140	AL	05	822	47.6196
1178	432	ME	06	1135	47.4672
1179	1006	BZ	04	317	47.4223
1180	1411	NM	03	1402	47.4129
1181	482	CD	05	1794	47.3909
1182	1131	HB	44	3047	47.0053
1183	821	HY	07	993	46.9805
1184	1233	CYF	42	3489	46.8442
1185	150	KM	01	1478	46.6487
1186	1017	SH	04	2152	46.4176
1187	640	DE	03	160	46.3837
1188	719	SO	49	6481	46.292
1189	972	MAR	44	3333	46.113
1190	1430	QV	05	1202	46.0841
1191	860	CRB	43	4512	45.7556
1192	1288	AM	07	725	45.5705
1193	660	DR	04	1802	45.412
1194	1206	MDY	01	1391	45.3998
1195	1163	EU	11	2485	45.2497

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1196	734	MAR	49	2865	45.1769
1197	1250	RA	41	3053	45.1635
1198	83	BW	10	50	45.1448
1199	662	JN	05	1612	44.9643
1200	1314	GP	02	30	44.711
1201	1078	HT	01	2878	44.5932
1202	1325	TV	02	1081	44.5769
1203	689	AL	11	1614	44.555
1204	725	EL	08	438	44.4767
1205	1174	HY	03	997	44.4754
1206	410	CV	05	1647	44.3334
1207	1172	OA	02	568	44.3147
1208	1239	BR	11	902	44.3094
1209	971	LW	46	4635	44.2654
1210	1138	LV	02	796	44.1737
1211	1326	WZ	41	5206	44.167
1212	91	NP	44	2515	43.7264
1213	1330	EU	04	714	43.58
1214	977	WE	02	728	43.5138
1215	373	OB	44	4104	43.1414
1216	861	SF	41	2399	42.9737
1217	332	SH	05	1713	42.9336
1218	928	CG	01	608	42.8134
1219	281	CV	09	1006	42.774
1220	701	LA	03	1623	42.6507
1221	1158	THW	43	1893	42.5594
1222	461	MB	06	28	42.4468
1223	836	FD	06	2442	42.4294
1224	48	MY	10	813	42.3769
1225	1147	CE	08	1876	42.3164
1226	937	BL	03	1619	42.0815
1227	525	HE	07	1707	42.0247
1228	1240	CE	03	1948	41.9899
1229	916	AI	08	51	41.8594
1230	1456	DN	12	686	41.8303
1231	858	CK	02	1035	41.7646
1232	1350	GA	04	1291	41.7258
1233	1178	WI	44	5014	41.6393
1234	1387	FD	12	1968	41.4681
1235	1271	IM	49	3972	41.2951
1236	1451	DN	07	1743	40.9359
1237	899	FD	09	2492	40.9235
1238	1366	KM	07	1582	40.7151
1239	674	THW	46	4710	40.6907
1240	336	MAR	51	3615	40.2963
1241	1048	SW	06	933	40.2955
1242	1580	WD	42	83	40.2737
1243	1334	BM	06	1455	40.1132

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1244	989	STW	04	891	40.0844
1245	538	NM	02	2558	39.8251
1246	1403	UW	07	1969	39.7598
1247	472	TRN	01	1034	39.6075
1248	949	PE	05	1224	39.5533
1249	322	FRY	42	3949	39.4257
1250	1005	AF	06	2341	39.4121
1251	1059	DH	01	3112	39.281
1252	1473	SF	43	3744	39.0568
1253	444	KM	05	1481	38.7992
1254	830	SIE	46	2906	38.6827
1255	1386	CYF	44	4517	38.5923
1256	NEW	STF	44	288	37.8093
1257	1045	KI	47	3514	37.6112
1258	1221	HNY	02	1557	37.4448
1259	842	GT	03	2800	37.3124
1260	627	SO	48	3187	37.26
1261	1056	IND	06	16	37.2019
1262	826	HY	12	979	37.1286
1263	268	FT	01	38	37.0642
1264	629	HE	03	1580	37.0486
1265	1463	FD	02	2503	36.9978
1266	913	SW	05	580	36.8526
1267	862	SH	11	1681	36.7873
1268	960	THW	49	1688	36.7251
1269	1363	GA	02	1911	36.6097
1270	1159	CR	05	1012	36.6022
1271	808	GE	47	3909	36.5973
1272	504	WL	41	1183	36.538
1273	193	CD	07	1541	36.3663
1274	852	HB	49	3423	36.0281
1275	835	ES	02	938	35.9839
1276	930	EL	02	48	35.8675
1277	12	ADK	44	410	35.8564
1278	1465	OB	47	4746	35.7988
1279	804	HY	05	1483	35.7472
1280	921	WT	10	301	35.6245
1281	1089	ED	06	2333	35.6211
1282	1388	BL	09	1265	35.3754
1283	1192	FL	44	3574	35.3066
1284	819	KB	04	958	35.1852
1285	309	HNY	03	2057	34.9557
1286	750	MB	03	1099	34.7615
1287	716	GA	10	793	34.7271
1288	1446	SO	41	2445	34.6827
1289	412	GT	12	1622	34.5992
1290	1197	IM	45	3321	34.4977
1291	1503	HNY	06	872	34.4962

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1292	1408	HA	02	1675	34.4705
1293	1034	IND	03	18	34.1994
1294	677	GL	08	1098	34.1236
1295	1139	KI	42	4602	34.0767
1296	823	BM	02	65	33.9052
1297	1312	CD	02	1203	33.4827
1298	1475	EC	09	1345	33.3557
1299	658	WEB	07	123	33.2256
1300	1282	MY	06	1668	33.22
1301	1081	EL	05	650	33.1735
1302	1300	MC	08	358	33.06
1303	7	FAN	45	239	33.0513
1304	1157	SP	06	1899	33.0061
1305	248	AR	42	4007	32.4904
1306	1488	DN	02	1023	32.2367
1307	1176	AI	05	71	32.1782
1308	473	KT	48	3183	32.1303
1309	1559	HG	08	21	32.0986
1310	774	UV	03	726	31.718
1311	864	MP	08	1854	31.6646
1312	190	FRY	48	3026	31.6497
1313	80	RO	03	1058	31.6403
1314	331	SH	06	1052	31.5021
1315	430	CD	03	1455	31.4933
1316	238	WEB	01	1949	31.3159
1317	964	DL	42	1689	31.2999
1318	1525	GS	25	433	31.1215
1319	1562	PK	01	247	30.9332
1320	1123	SA	44	1015	30.7007
1321	1015	CYF	43	2087	30.5105
1322	600	HB	46	4559	30.2727
1323	831	ES	01	901	30.0792
1324	1307	WW	01	550	30.0664
1325	785	WEB	03	1799	29.919
1326	392	SP	02	1898	29.8985
1327	1207	BI	09	1650	29.716
1328	797	BE	04	1908	29.7111
1329	784	BAR	43	5312	29.6675
1330	1464	WW	06	1460	29.442
1331	291	CA	05	509	29.4315
1332	950	FL	48	3723	29.4254
1333	494	JN	02	1683	29.2414
1334	1144	MDY	03	2237	29.0915
1335	438	WD	48	1533	29.0456
1336	1424	JN	04	784	28.9613
1337	1273	RO	01	3269	28.8647
1338	1211	FL	43	3460	28.8412
1339	1356	KB	20	875	28.8319

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1340	81	PJ	03	1450	28.7821
1341	1280	FRY	49	5067	28.6239
1342	1382	GE	44	5932	28.5159
1343	1313	FRY	47	4631	28.4223
1344	1389	MY	02	1303	28.4054
1345	1153	FT	06	614	28.1645
1346	632	SB	05	1248	27.9266
1347	1101	ED	07	1073	27.8783
1348	375	CG	05	1704	27.8304
1349	998	KB	06	1314	27.6223
1350	395	HT	03	419	27.5416
1351	1417	CK	05	1507	27.4872
1352	372	SB	04	904	27.4824
1353	1098	PE	02	1629	26.7938
1354	1397	FRY	46	4869	26.7798
1355	1500	DR	05	2091	26.7192
1356	1512	DN	09	180	26.7022
1357	1166	EC	03	537	26.6502
1358	1429	HG	01	207	26.6002
1359	1407	HT	05	823	26.4884
1360	1213	AN	11	1559	26.4771
1361	1394	TE	09	1361	26.2759
1362	1365	TE	06	1923	26.0957
1363	1295	SP	07	1832	26.0282
1364	162	DN	11	2155	25.8113
1365	1441	UL	16	504	25.6416
1366	1527	KB	18	704	25.6174
1367	1167	GE	48	4663	25.5921
1368	1359	ED	08	1487	25.4927
1369	922	BI	05	672	25.4593
1370	NEW	DL	47	1326	25.3336
1371	1448	MY	05	593	25.241
1372	1523	UV	04	1027	25.1848
1373	599	JN	01	1511	25.0519
1374	1042	HE	06	1876	24.7278
1375	1268	GG	02	2502	24.3583
1376	1237	OB	45	2727	24.0068
1377	1438	NSH	02	156	23.9966
1378	1196	ME	09	1519	23.9354
1379	112	DV	03	721	23.3599
1380	1342	HP	06	583	23.2684
1381	848	JOR	42	54	23.1713
1382	1433	BM	05	349	23.1358
1383	1516	MID	02	1461	23.0625
1384	1133	LP	08	990	23.0069
1385	761	CL	08	59	22.9934
1386	1375	BI	03	849	22.8619
1387	1060	WR	14	286	22.6929

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1388	1361	VCR	41	5607	22.6799
1389	693	CK	01	915	22.4856
1390	NEW	FT	11	939	22.2791
1391	838	CV	04	1362	22.2271
1392	NEW	RED	04	11	22.0409
1393	467	ES	04	398	21.6692
1394	1383	DV	07	902	21.5655
1395	1357	SC	01	23	21.45
1396	1487	GR	04	29	21.3852
1397	976	KN	01	1120	21.3742
1398	877	ME	07	1381	21.1534
1399	76	IR	05	2041	20.9267
1400	1243	RO	02	2650	20.9186
1401	1180	WI	41	3894	20.845
1402	1040	HE	09	1823	20.7504
1403	411	CR	07	104	20.6363
1404	113	IND	05	50	20.6132
1405	583	JP	07	538	20.4214
1406	1302	FL	45	4394	20.3776
1407	731	VCR	42	4684	20.2754
1408	1453	HE	10	1353	20.1713
1409	319	GE	42	3365	19.9889
1410	1489	JN	10	2828	19.9686
1411	1447	PO	08	1840	19.9581
1412	1114	EL	06	314	19.8884
1413	586	JN	06	2522	19.7574
1414	570	WT	07	1211	19.7545
1415	1293	WEB	10	552	19.4838
1416	1414	SR	01	253	19.1894
1417	814	SE	03	855	19.031
1418	1001	CK	06	759	18.8316
1419	513	IT	42	83	18.811
1420	1010	UV	01	1171	18.5082
1421	969	WE	03	154	18.456
1422	1373	DE	05	1364	18.3744
1423	1471	CYF	48	4350	18.3621
1424	397	PJ	06	1125	18.3467
1425	1405	LY	45	1867	18.0732
1426	453	PZ	45	2190	18.0244
1427	NEW	RE	43	4456	17.9312
1428	875	ED	02	1508	17.8276
1429	1260	MB	08	725	17.8142
1430	1513	EU	12	163	17.7158
1431	26	BR	05	606	17.6954
1432	65	IM	42	2097	17.5721
1433	537	GA	06	991	17.2875
1434	757	KT	45	3979	17.263
1435	177	FZ	52	3878	17.1903

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
1436	1461	BM	08	1037	17.1015
1437	794	LY	48	2919	17.023
1438	799	PO	04	1134	16.9767
1439	893	IND	02	27	16.9341
1440	1145	MY	09	209	16.5242
1441	1459	BI	44	46	16.4109
1442	56	FP	02	18	16.2211
1443	1303	KB	05	1315	16.1482
1444	1189	KT	50	3090	15.9427
1445	1255	RO	43	1750	15.8753
1446	1318	HA	06	879	15.8703
1447	1224	UL	14	865	15.8512
1448	1091	PO	03	773	15.8299
1449	653	UW	04	715	15.6208
1450	224	WI	02	993	15.5748
1451	1336	GZ	47	1066	15.5623
1452	1235	SDY	03	12	15.4267
1453	1462	WT	09	342	15.3868
1454	483	SH	03	2276	15.3598
1455	712	BI	45	2936	15.3385
1456	1467	HY	04	1813	15.2628
1457	531	HY	02	1715	15.1994
1458	1321	HP	01	935	14.9945
1459	1129	TV	05	82	14.5402
1460	1496	HP	05	3113	14.4961
1461	1327	PJ	07	249	14.439
1462	445	KG	43	3527	14.2746
1463	1490	KB	19	973	14.0982
1464	1212	DL	46	1995	13.6965
1465	1283	MY	01	964	13.5849
1466	623	HP	04	2130	13.4022
1467	1190	HP	08	879	13.3787
1468	1379	FZ	54	4674	13.323
1469	1253	WEB	06	945	13.2845
1470	1344	GP	09	197	12.688
1471	1435	EU	08	202	12.5631
1472	1381	BH	05	563	12.3805
1473	770	ST	15	809	12.2248
1474	542	PJ	05	697	11.7872
1475	1492	HE	14	1658	11.6713
1476	1355	HV	05	689	11.6542
1477	464	WEB	05	586	11.6499
1478	1517	KB	11	736	11.6207
1479	1323	SB	07	1693	11.576
1480	72	TO	08	673	11.0789
1481	1494	ED	05	1051	10.9275
1482	102	EL	07	1706	10.7818
1483	NEW	RE	41	731	10.732

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1484	1222	RO	08	1777	10.5083
1485	1445	FD	08	2674	10.4398
1486	262	FT	02	1119	10.3506
1487	1558	HA	10	486	10.3131
1488	1360	AF	01	2566	10.2697
1489	1074	UL	04	1272	9.8493
1490	192	EC	12	789	9.4007
1491	1103	ADK	41	110	9.36
1492	1368	PO	06	1756	9.204
1493	1058	JP	03	37	9.1211
1494	NEW	RE	42	524	9.0622
1495	1427	CRB	48	4909	8.5458
1496	1454	CR	02	395	8.4492
1497	1256	ED	03	1547	8.2924
1498	1218	HT	04	475	8.2553
1499	1610	FRK	43	33	8.0673
1500	1338	PO	01	1088	8.0143
1501	1358	CA	07	479	7.8401
1502	1556	GS	29	28	7.7143
1503	1331	FL	49	5553	7.6942
1504	1066	UL	09	572	7.6036
1505	301	DE	02	994	7.4605
1506	975	KT	42	4614	7.4497
1507	1692	SPW	48	23	7.3504
1508	1671	PK	42	12	6.7292
1509	1505	HE	12	1212	6.5696
1510	1566	PK	47	85	6.3524
1511	732	BZ	07	344	6.3272
1512	566	WO	10	567	6.2366
1513	1457	ED	01	1472	6.2102
1514	1468	KN	04	47	6.083
1515	668	HT	07	975	5.5949
1516	1136	FL	47	4153	5.5282
1517	941	WEB	12	584	5.5186
1518	1440	WEB	11	1097	5.482
1519	1205	LM	02	733	5.4805
1520	1062	RO	44	491	5.3981
1521	827	SF	13	270	4.7093
1522	1521	EC	01	232	4.6723
1523	1474	DV	04	935	4.4272
1524	596	WD	47	398	4.411
1525	1061	WEB	08	826	4.3622
1526	1532	BI	01	359	4.3094
1527	587	HY	09	1300	4.2769
1528	1043	FAN	48	1305	3.9718
1529	1298	RO	06	929	3.6536
1530	1097	SR	16	89	3.4906
1531	1510	EC	10	391	3.4628

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1532	1498	BI	10	15	3.458
1533	39	WI	03	332	3.171
1534	1396	WEB	04	635	2.9657
1535	1385	EL	04	764	2.7328
1536	552	ED	04	1899	2.6472
1537	1422	MY	12	1009	2.4961
1538	795	WE	01	161	2.4096
1539	790	LY	42	39	2.2505
1540	1561	KB	15	304	2.046
1541	1520	GN	11	863	1.9069
1542	1508	FRY	44	298	1.6977
1543	1511	DN	08	376	1.5544
1544	1442	WD	41	408	1.467
1545	165	UL	42	605	1.1578
1546	1575	SF	44	659	0.8519
1547	1544	FRK	46	347	0.7985
1548	1543	FRK	42	745	0.5423
1549	1514	PK	04	498	0.463
1550	1552	GS	07	286	0.3517
1551	1481	BG	05	346	0.3341
1552	984	HNY	04	372	0.2567
1553	1570	PZ	47	280	0.1835
1554	1569	PK	50	19	0.1321
1555	1579	SR	14	791	0.1226
1556	1531	SF	45	1050	0.0732
1557	1534	BR	06	13	0
1558	1529	DT	19	342	0
1559	1595	DT	20	11	0
1560	1599	DT	26	18	0
1561	1542	DT	35	30	0
1562	1603	DT	36	17	0
1563	1604	DT	37	17	0
1564	1421	FRK	41	37	0
1565	1545	FRK	47	338	0
1566	1377	GA	01	43	0
1567	1546	GG	08	14	0
1568	1548	GN	43	384	0
1569	1549	GN	46	15	0
1570	1550	GN	51	24	0
1571	824	GR	01	24	0
1572	1551	GR	03	19	0
1573	1477	GS	02	59	0
1574	1637	GS	05	164	0
1575	1554	GS	14	14	0
1576	1555	GS	23	18	0
1577	1519	GS	26	105	0
1578	174	IND	01	13	0
1579	1560	IT	01	41	0

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2019 SAIDI Ranking	2018 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2019 SAIDI Value
1580	1658	KB	08	13	0
1581	1232	KB	13	29	0
1582	NEW	MID	05	358	0
1583	1666	PK	05	103	0
1584	1670	PK	41	91	0
1585	1563	PK	43	345	0
1586	1522	PK	44	659	0
1587	1565	PK	46	224	0
1588	1567	PK	48	12	0
1589	1568	PK	49	15	0
1590	1573	SF	08	79	0
1591	1016	SF	09	32	0
1592	1574	SF	10	21	0
1593	857	SF	12	451	0
1594	NEW	SPW	61	625	0
1595	NEW	SPW	64	141	0
1596	1578	SR	04	124	0
1597	1238	TAN	46	150	0
1598	1530	UL	41	238	0
1599	1333	WD	44	11	0
1600	626	WLO	47	19	0

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CenterPoint Energy

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2019 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	16.56%
Vegetation	12.95%
Animals and Birds	8.03%
People (Including cars and farm equip)	1.29%
Utility-owned Equipment	24.94%
Other	16.84%
Unknown	19.39%