



Empire District Electric Co.
Electric Utility System Reliability
Monitoring and Reporting Submission Requirements –
Annual Reliability Report
4 CSR 240-23.010

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Introduction

This report details Empire District Electric Company's (Empire) annual reliability metrics and worst performing circuits for calendar year 2015 as required by Missouri Public Service Commission Rule 4 CSR 240-23.010, Electric Utility System Reliability Monitoring and Reporting Submission Requirements. This report will provide the reliability measures requested by the Rule, the list of Worst Performing Circuits (WPCs), the Multi-Year Worst Performing Circuits, and the actions taken or planned to improve the performance of these circuits.

Definitions

For the purpose of this report, the following definitions shall apply:

1. System Average Interruption Frequency Index (SAIFI) – how often the average customer experiences a sustained interruption over a predefined period of time.
2. Customer Average Interruption Frequency Index (CAIFI) – the average frequency of sustained interruptions for those customers experiencing sustained interruptions. The customer is counted once regardless of the number of times interrupted for this calculation.
3. System Average Interruption Duration Index (SAIDI) – the total duration of interruption for the average customer during a predefined period of time. SAIDI is measured in minutes.
4. Customer Average Interruption Duration Index (CAIDI) – the average time required to restore service. CAIDI is measured in minutes.
5. Worst Performing Circuit (WPC) – A distribution circuit whose SAIFI value, adjusted to exclude major events per IEEE Standard 1366-20012 when compared to the SAIFI values for the other circuits in the Empire system places it among the 5% of circuits with the highest SAIFI values in the Empire system.



2015 Multi-Year Worst Performing Circuits

Empire has identified four multi-year worst performing circuits in accordance with 4 CSR 240-23.010(8). To improve the performance of the circuits, Empire adopted a corrective action plan that includes the following activities:

- Empire employees perform a “walk-through” of the worst performing circuit collecting engineering data to support the following coordination study and sectionalizing program. Visually identifiable defects are noted and corrected as part of the corrective action plan.
- Upon walk-through completion, a coordination study of the circuit occurs. The coordination study evaluates protective equipment settings and application to ensure each protective device properly operates with other upstream and downstream protective equipment. Additional sectionalizing is then added to the circuit to reduce the number of customers experiencing an outage, in the event an outage occurs, thus increasing reliability to other customers on the circuit. Faulted circuit indicators are also added to the circuit to reduce restoration time and shorten customer outage duration.
- In addition to the coordination study and sectionalizing program, any vegetation related issues identified are scheduled to be cleared for each circuit.

The multi-year worst performing circuits are indicated in the chart below and are ranked according to their 2015 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

Multi-Year Worst Performing Circuits SAIFI 2013 - 2015				
Location	Circuit Number	2015	2014	2013
Granby - North	3471	4.104	-	6.163
Joplin - 24th Street	4222	4.491	2.373	4.561
Forsyth - North	4102	3.408	3.396	-
Willard	3692	3.087	3.751	-



Circuit: 3471

Area Served: Granby, Missouri

2015 SAIFI: 4.491

2014 SAIFI: 2.373

This circuit received a comprehensive intrusive inspection in 2014 and is scheduled to receive an infrared inspection in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2013 and is scheduled again for 2016.

In 2014, Empire installed additional transmission breakers at substation #131 – Diamond which is the radial transmission source for substation #347 – Granby. The project significantly reduces the transmission exposure for the source to Granby and will improve the momentary and sustained interruption performance for all distribution circuits served by the Granby substation, including circuit 3471. During the construction of this project, the system was reconfigured which resulted in a temporary decrease in transmission and distribution reliability. Circuit 3471 was also temporarily configured to serve additional customers normally served by circuit 1311. The construction configuration added circuit exposure to 3471.

A coordination study and sectionalizing corrective action program for circuit 3471 was completed in 2015. The full benefits of this project have not been demonstrated in each year of the worst performing circuit multi-year analysis due to the construction timing.

Empire will continue to monitor the performance of circuit 3471 and evaluate cost effective solutions to further improve service reliability.

**Circuit: 4222****Area Served: Joplin, Missouri****2015 SAIFI: 4.104****2013 SAIFI: 6.163**

This circuit received an infrared inspection in 2012. This circuit is scheduled to receive a visual inspection in 2016 and comprehensive intrusive inspection in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program for circuit 4222 was completed during 2015. The full benefits of this project have not been demonstrated in each year of the worst performing circuit multi-year analysis due to the construction timing.

Empire will continue to monitor the performance of circuit 4222 and evaluate cost effective solutions to further improve service reliability.

Circuit: 4102**Area Served: Forsyth, Missouri****2015 SAIFI: 3.408****2014 SAIFI: 3.396**

This circuit received a visual inspection in 2011 and an infrared inspection in 2015. A comprehensive intrusive inspection is scheduled in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2015 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program for circuit 4102 was completed in 2011.

A portion of the overhead conductor is scheduled for replacement in 2017 as part of Empire's Operation Toughen Up reliability initiative. The project will retire small copper conductor which has failed during momentary or permanent fault events occurring downstream on the circuit path. The failure generates a permanent fault or an additional faulted location delaying service restoration. Replacement of the conductor will eliminate this failure potential.

Empire will re-evaluate the current sectionalization and protection coordination to determine if additional equipment is appropriate. Empire will also continue to monitor the performance of circuit 4102 and evaluate cost effective solutions to further improve service reliability.



Circuit: 3692

Area Served: Willard, Missouri

2015 SAIFI: 3.087

2014 SAIFI: 3.751

This circuit received a visual inspection in 2010 and a comprehensive intrusive inspection in 2012. Circuit 3692 will receive an infrared inspection in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2013 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program for circuit 3692 is scheduled for 2016.



2015 Worst Performing Circuits

The table below lists the 2015 Worst Performing Circuits ranked according to their SAIFI value. A more detailed list of each circuit's corrective action will follow.

Worst Performing Circuits – System 2015 Measured by SAIFI										
Location	Circuit Number	Number of Outages	Outage Hours Reported	Customer Outage Minutes	Customers Affected	Total Cust on Affected Circuit	Area	SAIFI	SAIDI	CAIDI
Granby- North	3471	34	52.28	216256	3388	170	216	4.104	1268.70	63.83
Joplin – 24th Street	4222	26	29.20	379584	7531	1032	214	7.298	367.85	50.40
Purcell – Southwest	4211	30	53.84	443636	3708	763	215	4.112	581.36	119.64
Brighton – East	3231	46	47.23	106595	1965	413	213	4.760	258.24	54.25
Oakland – North	4324	17	27.60	612578	5718	1248	215	4.581	490.79	107.13
Seneca – East	3751	25	52.42	519602	3862	873	216	4.425	595.38	134.54
Carthage – Northwest	1082	49	73.76	525737	5618	1318	215	4.261	398.76	93.58
Marionville – North	4373	36	58.20	229053	3157	764	211	4.129	299.61	72.55
Neosho – South Junction	1843	58	126.59	452416	4288	1082	216	3.963	418.17	105.51
Willard	3693	6	8.98	48004	636	184	217	3.461	261.25	75.48
Forsyth – North	4102	31	47.25	212276	3080	904	209	3.408	234.86	68.92
Black Hawk Junction	4155	20	33.24	375975	6897	2083	217	3.311	180.50	54.51
Anderson	3221	31	56.50	188717	3889	1235	216	3.149	152.81	48.53
Willard	3692	10	14.18	97387	1260	408	217	3.87	238.60	77.29



Circuit: 3471

Area Served: Granby, Missouri

2015 SAIFI: 4.491

2014 SAIFI: 2.373

This circuit received a comprehensive intrusive inspection in 2014 and is scheduled to receive an infrared inspection in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2013 and is scheduled again for 2016.

In 2014, Empire installed additional transmission breakers at substation #131 – Diamond which is the radial transmission source for substation #347 – Granby. The project significantly reduces the transmission exposure for the source to Granby and will improve the momentary and sustained interruption performance for all distribution circuits served by the Granby substation, including circuit 3471. During the construction of this project, the system was reconfigured which resulted in a temporary decrease in transmission and distribution reliability. Circuit 3471 was also temporarily configured to serve additional customers normally served by circuit 1311. The construction configuration added circuit exposure to 3471.

A coordination study and sectionalizing corrective action program for circuit 3471 was completed in 2015. The full benefits of this project have not been demonstrated in each year of the worst performing circuit multi-year analysis due to the construction timing.

Empire will continue to monitor the performance of circuit 3471 and evaluate cost effective solutions to further improve service reliability.

Circuit: 4222

**Area Served: Joplin, Missouri****2015 SAIFI: 4.104****2013 SAIFI: 6.163**

This circuit received an infrared inspection in 2012. This circuit is scheduled to receive a visual inspection in 2016 and comprehensive intrusive inspection in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program for circuit 4222 was completed during 2015. The full benefits of this project have not been demonstrated in each year of the worst performing circuit multi-year analysis due to the construction timing. Empire will continue to monitor the performance of circuit 4222 and evaluate cost effective solutions to further improve service reliability.

Circuit: 4211**Area Served: Purcell, Missouri****SAIFI: 4.859**

This circuit received an infrared inspection in 2013. The circuit is scheduled to receive a comprehensive intrusive inspection in 2018 and a visual inspection in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2011 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program was completed in 2013.

Circuit: 3231**Area Served: Brighton, Missouri****SAIFI: 4.760**

This circuit received a visual inspection in 2010. This circuit is scheduled to receive an infrared inspection and comprehensive intrusive inspection in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2017. A coordination study and sectionalizing corrective action program was performed in 2012.

**Circuit: 4324****Area Served: Webb City, Missouri****SAIFI: 4.581**

This circuit received an infrared inspection in 2012. This circuit is scheduled to receive a visual inspection in 2016 and a comprehensive intrusive inspection in 2020. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled for 2016 and 2018. A coordination study and sectionalizing corrective action program is scheduled for completion in 2016.

Circuit: 3751**Area Served: Seneca, Missouri****SAIFI: 4.425**

This circuit received a visual inspection in 2013 and a comprehensive intrusive inspection in 2014. This circuit is scheduled to receive an infrared inspection in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled for 2016 and 2021.

A coordination study and sectionalizing corrective action program was performed in 2012.

Circuit: 1082**Area Served: Carthage, Missouri****SAIFI: 4.261**

This circuit received a comprehensive intrusive inspection in 2010 and was visually inspected in 2011. This circuit is scheduled to receive an infrared inspection in 2017. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2015 and is scheduled again for 2018.

A coordination study and sectionalizing corrective action program was performed in 2015.

Circuit: 4373



Area Served: Marionville, Missouri
SAIFI: 4.129

This circuit will receive a comprehensive intrusive inspection in 2017 and an infrared inspection in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2018.

A coordination study and sectionalizing corrective action program was performed in 2013.

Circuit: 1843
Area Served: Neosho, Missouri
SAIFI: 3.963

This circuit received a comprehensive intrusive inspection in 2011, a visual inspection in 2011, and is scheduled to receive an infrared inspection in 2017. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program was performed in 2015.

Circuit: 3693
Area Served: Willard, Missouri
SAIFI: 3.461

This circuit received an infrared inspection in 2010, a comprehensive intrusive inspection in 2011, and a visual inspection in 2015. This circuit is scheduled to receive its next infrared inspection in 2021. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2012 and is scheduled again for 2018.

A coordination study and sectionalizing corrective action program was performed in 2011.

Circuit: 4102



Area Served: Forsyth, Missouri

2015 SAIFI: 3.408

2014 SAIFI: 3.396

This circuit received a visual inspection in 2011 and an infrared inspection in 2015. A comprehensive intrusive inspection is scheduled in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2015 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program for circuit 4102 was completed in 2011.

A portion of the overhead conductor is scheduled for replacement in 2017 as part of Empire's Operation Toughen Up reliability initiative. The project will retire small copper conductor which has failed during momentary or permanent fault events occurring downstream on the circuit path. The failure generates a permanent fault or an additional faulted location delaying service restoration. Replacement of the conductor will eliminate this failure potential.

Empire will re-evaluate the current sectionalization and protection coordination to determine if additional equipment is appropriate. Empire will also continue to monitor the performance of circuit 4102 and evaluate cost effective solutions to further improve service reliability.

Circuit: 4155

Area Served: Ozark, Missouri

2014 SAIFI: 3.576

This circuit is receiving an infrared inspection in 2016, a comprehensive intrusive inspection in 2018, and a visual inspection in 2020. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2014 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program was performed in 2010.

Circuit: 3221



Area Served: Anderson, Missouri
SAIFI: 3.149

This circuit received a visual inspection in 2009, a comprehensive intrusive inspection in 2012, and an infrared inspection in 2015. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2013 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program was performed in 2014.

Circuit: 3692
Area Served: Willard, Missouri
2015 SAIFI: 3.087
2014 SAIFI: 3.751

This circuit received a visual inspection in 2010 and a comprehensive intrusive inspection in 2012. Circuit 3692 will receive an infrared inspection in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2013 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program for circuit 3692 is scheduled for 2016.

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2015 to 1/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	5.25	1,718	135,385	1,566	1.097	78.80	86.45	1.094	0.99806
1082	11	14.09	2,635	94,747	1,306	2.018	35.96	72.55	2.019	0.99837
1091	1	0.70	1	42	708	0.001	42.00	0.06	1.000	0.99999
1092	3	4.88	40	2,910	951	0.042	72.75	3.06	1.053	0.99993
1094	1	0.42	1	25	1,228	0.001	25.00	0.02	1.000	0.99999
1141	1	0.72	1	43	900	0.001	43.00	0.05	1.000	0.99999
1211	2	3.92	2	235	1,475	0.001	117.50	0.16	1.000	0.99999
1213	1	1.08	26	1,696	543	0.048	65.23	3.12	1.000	0.99993
1230	1	0.70	1	42	1,180	0.001	42.00	0.04	1.000	0.99999
1233	1	1.25	1	75	639	0.002	75.00	0.12	1.000	0.99999
1243	1	0.57	12	417	1,189	0.010	34.75	0.35	1.000	0.99999
1263	1	1.00	24	1,445	1,142	0.021	60.21	1.27	1.000	0.99997
1265	7	5.07	194	6,643	1,279	0.152	34.24	5.19	1.054	0.99988
1273	2	3.12	12	1,109	863	0.014	92.42	1.29	1.000	0.99997
1282	1	1.55	1	93	936	0.001	93.00	0.10	1.000	0.99999
1284	1	0.70	9	384	867	0.010	42.67	0.44	1.000	0.99999
1285	1	4.70	76	21,499	1,086	0.070	282.88	19.80	1.000	0.99956

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1453	3	6.27	39	4,908	1,786	0.022	125.85	2.75	3.000	0.99994
1521	1	1.03	1	62	355	0.003	62.00	0.17	1.000	0.99999
1522	1	2.33	7	982	101	0.069	140.29	9.72	1.000	0.99978
1523	1	1.67	1	100	714	0.001	100.00	0.14	1.000	0.99999
1841	2	5.00	6	1,248	629	0.010	208.00	1.98	1.000	0.99996
1842	1	0.58	1	35	280	0.004	35.00	0.13	1.000	0.99999
1843	1	1.02	1	61	1,081	0.001	61.00	0.06	1.000	0.99999
2091	1	1.10	1	66	871	0.001	66.00	0.08	1.000	0.99999
2211	1	2.33	20	2,811	722	0.028	140.55	3.89	1.000	0.99991
2212	2	2.72	2	163	1,276	0.002	81.50	0.13	1.000	0.99999
2621	1	1.18	10	711	1,156	0.009	71.10	0.62	1.000	0.99999
2711	1	2.03	1	122	253	0.004	122.00	0.48	1.000	0.99999
2951	2	1.56	8	291	1,381	0.006	36.38	0.21	1.000	0.99999
3081	1	2.37	31	4,403	568	0.055	142.03	7.75	1.000	0.99983
3121	1	1.42	1	85	1,120	0.001	85.00	0.08	1.000	0.99999
3122	2	2.55	46	3,010	845	0.054	65.43	3.56	1.000	0.99992
3221	1	1.00	1	60	1,233	0.001	60.00	0.05	1.000	0.99999
3222	1	0.85	1	51	768	0.001	51.00	0.07	1.000	0.99999
3231	1	0.75	1	45	411	0.002	45.00	0.11	1.000	0.99999
3303	1	0.47	24	691	978	0.025	28.79	0.71	1.000	0.99998
3311	2	1.73	36	1,593	535	0.067	44.25	2.98	1.000	0.99993
3422	1	0.62	25	932	968	0.026	37.28	0.96	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3471	6	9.59	61	2,929	169	0.361	48.02	17.33	1.070	0.99961
3553	2	1.44	2	86	1,026	0.002	43.00	0.08	1.000	0.99999
3591	1	0.57	37	1,290	1,138	0.033	34.86	1.13	1.000	0.99997
3592	2	1.91	88	5,105	1,724	0.051	58.01	2.96	1.048	0.99993
3593	2	1.66	59	2,675	933	0.063	45.34	2.87	1.000	0.99994
3621	3	3.86	40	1,636	1,553	0.026	40.90	1.05	1.026	0.99998
3662	1	1.13	1	68	761	0.001	68.00	0.09	1.000	0.99999
3664	2	1.12	29	1,038	516	0.056	35.79	2.01	1.036	0.99995
3694	1	0.52	45	1,414	1,255	0.036	31.42	1.13	1.000	0.99997
3702	1	0.37	45	1,004	605	0.074	22.31	1.66	1.000	0.99996
3751	1	0.42	1	25	872	0.001	25.00	0.03	1.000	0.99999
3871	1	1.57	51	4,762	1,391	0.037	93.37	3.42	1.000	0.99992
3893	2	1.39	2	83	1,096	0.002	41.50	0.08	1.000	0.99999
3951	3	3.87	153	12,420	909	0.168	81.18	13.66	1.041	0.99969
3952	6	13.11	48	13,078	1,250	0.038	272.46	10.46	1.000	0.99977
3971	1	1.23	1	74	660	0.002	74.00	0.11	1.000	0.99999
3981	4	4.21	15	993	1,499	0.010	66.20	0.66	1.000	0.99999
3982	1	0.67	1,759	70,535	1,756	1.002	40.10	40.17	1.000	0.99910
3991	2	119.60	2	7,176	722	0.003	3588.00	9.94	1.000	0.99978
3992	1	0.72	1	43	165	0.006	43.00	0.26	1.000	0.99999
4031	3	1.88	710	27,091	698	1.017	38.16	38.81	1.020	0.99913
4092	1	0.98	421	24,839	424	0.993	59.00	58.58	1.000	0.99869

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	1	1.02	13	793	905	0.014	61.00	0.88	1.000	0.99998
4131	1	1.67	1	100	197	0.005	100.00	0.51	1.000	0.99999
4137	1	0.57	792	27,218	792	1.000	34.37	34.37	1.000	0.99923
4138	1	0.40	16	397	746	0.021	24.81	0.53	1.000	0.99999
4142	1	2.48	1	149	586	0.002	149.00	0.25	1.000	0.99999
4151	3	2.63	42	2,180	1,239	0.034	51.90	1.76	1.000	0.99996
4153	1	2.10	7	883	1,299	0.005	126.14	0.68	1.000	0.99998
4154	4	5.88	44	2,943	1,152	0.038	66.89	2.55	1.000	0.99994
4155	1	1.45	18	1,571	2,072	0.009	87.28	0.76	1.000	0.99998
4171	1	1.23	28	2,095	672	0.042	74.82	3.12	1.000	0.99993
4172	1	0.80	35	1,689	1,695	0.021	48.26	1.00	1.000	0.99998
4181	2	2.35	491	16,148	485	1.012	32.89	33.29	1.002	0.99925
4182	1	0.58	44	1,569	1,012	0.043	35.66	1.55	1.000	0.99997
4211	1	0.88	1	53	960	0.001	53.00	0.06	1.000	0.99999
4212	1	0.52	1	31	806	0.001	31.00	0.04	1.000	0.99999
4222	1	1.72	1	103	1,022	0.001	103.00	0.10	1.000	0.99999
4224	1	0.50	29	879	760	0.038	30.31	1.16	1.000	0.99997
4313	1	0.68	4	165	317	0.013	41.25	0.52	1.000	0.99999
4324	1	0.85	1	51	1,243	0.001	51.00	0.04	1.000	0.99999
4341	1	1.05	6	380	1,761	0.003	63.33	0.22	1.000	0.99999
4342	1	0.37	12	272	1,734	0.007	22.67	0.16	1.000	0.99999
4361	3	2.94	59	3,208	1,648	0.036	54.37	1.95	1.017	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4363	6	3.34	46	1,578	1,346	0.034	34.30	1.17	1.179	0.99997
4371	3	3.88	3	233	1,534	0.002	77.67	0.15	1.500	0.99999
4373	3	4.61	49	4,775	754	0.065	97.45	6.33	1.114	0.99986
4431	1	0.07	1	4	1,352	0.001	4.00	0.00	1.000	0.99999
4432	1	0.90	61	3,307	456	0.134	54.21	7.25	1.000	0.99984
4511	1	1.92	25	2,886	1,125	0.022	115.44	2.57	1.000	0.99994
4601	1	2.67	88	14,156	408	0.216	160.86	34.70	1.000	0.99922
4692	1	4.52	1	271	484	0.002	271.00	0.56	1.000	0.99999
5601	1	0.27	188	3,125	1,153	0.163	16.62	2.71	1.000	0.99994
5602	1	2.23	50	6,728	679	0.074	134.56	9.91	1.000	0.99978
5603	5	6.16	74	2,751	1,286	0.058	37.18	2.14	1.000	0.99995
5902	1	0.70	1	42	1,008	0.001	42.00	0.04	1.000	0.99999
6022	2	2.02	3	181	488	0.006	60.33	0.37	1.000	0.99999
6024	1	0.88	168	9,063	390	0.431	53.95	23.24	1.000	0.99948
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	175	328.96	10,993	579,561	162,387	0.068	52.72	3.57	1.165	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2015 to 1/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	5.25	1,718	135,385	1,566	1.097	78.80	86.45	1.094	0.99806
1082	11	14.09	2,635	94,747	1,306	2.018	35.96	72.55	2.019	0.99837
1091	1	0.70	1	42	708	0.001	42.00	0.06	1.000	0.99999
1092	3	4.88	40	2,910	951	0.042	72.75	3.06	1.053	0.99993
1094	1	0.42	1	25	1,228	0.001	25.00	0.02	1.000	0.99999
1141	1	0.72	1	43	900	0.001	43.00	0.05	1.000	0.99999
1211	2	3.92	2	235	1,475	0.001	117.50	0.16	1.000	0.99999
1213	1	1.08	26	1,696	543	0.048	65.23	3.12	1.000	0.99993
1230	1	0.70	1	42	1,180	0.001	42.00	0.04	1.000	0.99999
1233	1	1.25	1	75	639	0.002	75.00	0.12	1.000	0.99999
1243	1	0.57	12	417	1,189	0.010	34.75	0.35	1.000	0.99999
1263	1	1.00	24	1,445	1,142	0.021	60.21	1.27	1.000	0.99997
1265	7	5.07	194	6,643	1,279	0.152	34.24	5.19	1.054	0.99988
1273	2	3.12	12	1,109	863	0.014	92.42	1.29	1.000	0.99997
1282	1	1.55	1	93	936	0.001	93.00	0.10	1.000	0.99999
1284	1	0.70	9	384	867	0.010	42.67	0.44	1.000	0.99999
1285	1	4.70	76	21,499	1,086	0.070	282.88	19.80	1.000	0.99956

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1453	3	6.27	39	4,908	1,786	0.022	125.85	2.75	3.000	0.99994
1521	1	1.03	1	62	355	0.003	62.00	0.17	1.000	0.99999
1522	1	2.33	7	982	101	0.069	140.29	9.72	1.000	0.99978
1523	1	1.67	1	100	714	0.001	100.00	0.14	1.000	0.99999
1841	2	5.00	6	1,248	629	0.010	208.00	1.98	1.000	0.99996
1842	1	0.58	1	35	280	0.004	35.00	0.13	1.000	0.99999
1843	1	1.02	1	61	1,081	0.001	61.00	0.06	1.000	0.99999
2091	1	1.10	1	66	871	0.001	66.00	0.08	1.000	0.99999
2211	1	2.33	20	2,811	722	0.028	140.55	3.89	1.000	0.99991
2212	2	2.72	2	163	1,276	0.002	81.50	0.13	1.000	0.99999
2621	1	1.18	10	711	1,156	0.009	71.10	0.62	1.000	0.99999
2711	1	2.03	1	122	253	0.004	122.00	0.48	1.000	0.99999
2951	2	1.56	8	291	1,381	0.006	36.38	0.21	1.000	0.99999
3081	1	2.37	31	4,403	568	0.055	142.03	7.75	1.000	0.99983
3121	1	1.42	1	85	1,120	0.001	85.00	0.08	1.000	0.99999
3122	2	2.55	46	3,010	845	0.054	65.43	3.56	1.000	0.99992
3221	1	1.00	1	60	1,233	0.001	60.00	0.05	1.000	0.99999
3222	1	0.85	1	51	768	0.001	51.00	0.07	1.000	0.99999
3231	1	0.75	1	45	411	0.002	45.00	0.11	1.000	0.99999
3303	1	0.47	24	691	978	0.025	28.79	0.71	1.000	0.99998
3311	2	1.73	36	1,593	535	0.067	44.25	2.98	1.000	0.99993
3422	1	0.62	25	932	968	0.026	37.28	0.96	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3471	6	9.59	61	2,929	169	0.361	48.02	17.33	1.070	0.99961
3553	2	1.44	2	86	1,026	0.002	43.00	0.08	1.000	0.99999
3591	1	0.57	37	1,290	1,138	0.033	34.86	1.13	1.000	0.99997
3592	2	1.91	88	5,105	1,724	0.051	58.01	2.96	1.048	0.99993
3593	2	1.66	59	2,675	933	0.063	45.34	2.87	1.000	0.99994
3621	3	3.86	40	1,636	1,553	0.026	40.90	1.05	1.026	0.99998
3662	1	1.13	1	68	761	0.001	68.00	0.09	1.000	0.99999
3664	2	1.12	29	1,038	516	0.056	35.79	2.01	1.036	0.99995
3694	1	0.52	45	1,414	1,255	0.036	31.42	1.13	1.000	0.99997
3702	1	0.37	45	1,004	605	0.074	22.31	1.66	1.000	0.99996
3751	1	0.42	1	25	872	0.001	25.00	0.03	1.000	0.99999
3871	1	1.57	51	4,762	1,391	0.037	93.37	3.42	1.000	0.99992
3893	2	1.39	2	83	1,096	0.002	41.50	0.08	1.000	0.99999
3951	3	3.87	153	12,420	909	0.168	81.18	13.66	1.041	0.99969
3952	6	13.11	48	13,078	1,250	0.038	272.46	10.46	1.000	0.99977
3971	1	1.23	1	74	660	0.002	74.00	0.11	1.000	0.99999
3981	4	4.21	15	993	1,499	0.010	66.20	0.66	1.000	0.99999
3982	1	0.67	1,759	70,535	1,756	1.002	40.10	40.17	1.000	0.99910
3991	2	119.60	2	7,176	722	0.003	3588.00	9.94	1.000	0.99978
3992	1	0.72	1	43	165	0.006	43.00	0.26	1.000	0.99999
4031	3	1.88	710	27,091	698	1.017	38.16	38.81	1.020	0.99913
4092	1	0.98	421	24,839	424	0.993	59.00	58.58	1.000	0.99869

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	1	1.02	13	793	905	0.014	61.00	0.88	1.000	0.99998
4131	1	1.67	1	100	197	0.005	100.00	0.51	1.000	0.99999
4137	1	0.57	792	27,218	792	1.000	34.37	34.37	1.000	0.99923
4138	1	0.40	16	397	746	0.021	24.81	0.53	1.000	0.99999
4142	1	2.48	1	149	586	0.002	149.00	0.25	1.000	0.99999
4151	3	2.63	42	2,180	1,239	0.034	51.90	1.76	1.000	0.99996
4153	1	2.10	7	883	1,299	0.005	126.14	0.68	1.000	0.99998
4154	4	5.88	44	2,943	1,152	0.038	66.89	2.55	1.000	0.99994
4155	1	1.45	18	1,571	2,072	0.009	87.28	0.76	1.000	0.99998
4171	1	1.23	28	2,095	672	0.042	74.82	3.12	1.000	0.99993
4172	1	0.80	35	1,689	1,695	0.021	48.26	1.00	1.000	0.99998
4181	2	2.35	491	16,148	485	1.012	32.89	33.29	1.002	0.99925
4182	1	0.58	44	1,569	1,012	0.043	35.66	1.55	1.000	0.99997
4211	1	0.88	1	53	960	0.001	53.00	0.06	1.000	0.99999
4212	1	0.52	1	31	806	0.001	31.00	0.04	1.000	0.99999
4222	1	1.72	1	103	1,022	0.001	103.00	0.10	1.000	0.99999
4224	1	0.50	29	879	760	0.038	30.31	1.16	1.000	0.99997
4313	1	0.68	4	165	317	0.013	41.25	0.52	1.000	0.99999
4324	1	0.85	1	51	1,243	0.001	51.00	0.04	1.000	0.99999
4341	1	1.05	6	380	1,761	0.003	63.33	0.22	1.000	0.99999
4342	1	0.37	12	272	1,734	0.007	22.67	0.16	1.000	0.99999
4361	3	2.94	59	3,208	1,648	0.036	54.37	1.95	1.017	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4363	6	3.34	46	1,578	1,346	0.034	34.30	1.17	1.179	0.99997
4371	3	3.88	3	233	1,534	0.002	77.67	0.15	1.500	0.99999
4373	3	4.61	49	4,775	754	0.065	97.45	6.33	1.114	0.99986
4431	1	0.07	1	4	1,352	0.001	4.00	0.00	1.000	0.99999
4432	1	0.90	61	3,307	456	0.134	54.21	7.25	1.000	0.99984
4511	1	1.92	25	2,886	1,125	0.022	115.44	2.57	1.000	0.99994
4601	1	2.67	88	14,156	408	0.216	160.86	34.70	1.000	0.99922
4692	1	4.52	1	271	484	0.002	271.00	0.56	1.000	0.99999
5601	1	0.27	188	3,125	1,153	0.163	16.62	2.71	1.000	0.99994
5602	1	2.23	50	6,728	679	0.074	134.56	9.91	1.000	0.99978
5603	5	6.16	74	2,751	1,286	0.058	37.18	2.14	1.000	0.99995
5902	1	0.70	1	42	1,008	0.001	42.00	0.04	1.000	0.99999
6022	2	2.02	3	181	488	0.006	60.33	0.37	1.000	0.99999
6024	1	0.88	168	9,063	390	0.431	53.95	23.24	1.000	0.99948
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	175	328.96	10,993	579,561	162,387	0.068	52.72	3.57	1.165	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2015 to 10/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	4.09	409	33,930	1,579	0.259	82.96	21.49	1.002	0.99952
1051	1	3.40	17	3,469	1,067	0.016	204.06	3.25	1.000	0.99993
1052	1	1.78	9	969	1,162	0.008	107.67	0.83	1.000	0.99998
1082	6	4.99	14	612	1,324	0.011	43.71	0.46	1.000	0.99999
1084	1	1.38	1	83	5	0.200	83.00	16.60	1.000	0.99963
1092	3	3.05	41	3,074	965	0.042	74.98	3.19	1.051	0.99993
1093	1	1.03	47	2,933	239	0.197	62.40	12.27	1.000	0.99973
1094	1	0.95	101	5,783	1,231	0.082	57.26	4.70	1.000	0.99989
1102	2	4.87	19	629	452	0.042	33.11	1.39	1.056	0.99997
1141	1	1.45	902	78,744	902	1.000	87.30	87.30	1.000	0.99804
1142	1	1.43	215	18,583	215	1.000	86.43	86.43	1.000	0.99806
1211	3	6.00	34	2,406	1,478	0.023	70.76	1.63	1.000	0.99996
1230	1	0.77	1	46	1,180	0.001	46.00	0.04	1.000	0.99999
1232	2	3.60	25	2,678	1,176	0.021	107.12	2.28	1.000	0.99995
1241	7	9.32	222	23,291	845	0.263	104.91	27.56	1.099	0.99938
1243	2	1.63	89	3,742	1,194	0.075	42.04	3.13	1.000	0.99993
1263	5	3.00	120	3,007	1,154	0.104	25.06	2.61	1.017	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1264	3	1.72	3	103	21	0.143	34.33	4.90	1.500	0.99989
1265	3	2.48	126	13,211	1,284	0.098	104.85	10.29	1.016	0.99977
1271	1	0.85	3	154	951	0.003	51.33	0.16	1.000	0.99999
1273	1	0.60	11	396	864	0.013	36.00	0.46	1.000	0.99999
1282	5	12.18	76	20,309	1,030	0.074	267.22	19.72	1.727	0.99956
1285	1	12.05	1	723	1,088	0.001	723.00	0.66	1.000	0.99999
1311	2	3.41	273	12,156	272	1.004	44.53	44.69	1.004	0.99900
1312	5	3.72	986	45,982	928	1.063	46.63	49.55	1.063	0.99889
1452	2	6.72	58	2,550	448	0.129	43.97	5.69	1.000	0.99987
1453	2	2.80	39	1,123	1,787	0.022	28.79	0.63	1.000	0.99999
1521	1	1.30	1	78	359	0.003	78.00	0.22	1.000	0.99999
1522	2	2.28	2	137	102	0.020	68.50	1.34	1.000	0.99997
1523	1	0.77	17	782	719	0.024	46.00	1.09	1.000	0.99998
1841	2	2.40	15	1,813	639	0.023	120.87	2.84	1.000	0.99994
1843	5	18.66	100	22,998	1,082	0.092	229.98	21.26	1.031	0.99952
2051	2	2.22	5	298	161	0.031	59.60	1.85	1.000	0.99996
2052	1	0.87	1	52	85	0.012	52.00	0.61	1.000	0.99999
2091	1	1.12	11	737	874	0.013	67.00	0.84	1.000	0.99998
2172	1	1.75	14	1,474	224	0.063	105.29	6.58	1.000	0.99985
2211	2	2.74	35	2,085	725	0.048	59.57	2.88	1.029	0.99994
2212	2	1.84	18	662	1,289	0.014	36.78	0.51	1.059	0.99999
2491	1	2.38	44	6,306	62	0.710	143.32	101.71	1.000	0.99772

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2511	3	4.48	3	269	619	0.005	89.67	0.43	1.000	0.99999
2621	1	1.53	23	2,117	1,162	0.020	92.04	1.82	1.000	0.99996
2622	1	2.45	1	147	113	0.009	147.00	1.30	1.000	0.99997
2951	1	2.68	1	161	1,379	0.001	161.00	0.12	1.000	0.99999
2961	1	0.55	18	602	645	0.028	33.44	0.93	1.000	0.99998
3121	1	1.82	230	25,219	1,122	0.205	109.65	22.48	1.000	0.99950
3122	2	2.52	4	211	847	0.005	52.75	0.25	1.000	0.99999
3123	1	0.55	1	33	1,044	0.001	33.00	0.03	1.000	0.99999
3181	4	5.22	4	313	720	0.006	78.25	0.43	1.000	0.99999
3221	2	5.81	8	2,108	1,237	0.006	263.50	1.70	1.143	0.99996
3222	1	0.80	1	48	766	0.001	48.00	0.06	1.000	0.99999
3231	1	1.77	1	106	413	0.002	106.00	0.26	1.000	0.99999
3232	1	0.70	1	42	428	0.002	42.00	0.10	1.000	0.99999
3303	1	0.40	1	24	979	0.001	24.00	0.02	1.000	0.99999
3312	1	0.12	1	7	393	0.003	7.00	0.02	1.000	0.99999
3314	1	1.28	14	1,084	219	0.064	77.43	4.95	1.000	0.99989
3315	3	2.69	31	2,413	1,572	0.020	77.84	1.53	1.069	0.99997
3422	2	2.58	2	155	967	0.002	77.50	0.16	1.000	0.99999
3471	1	1.42	4	340	172	0.023	85.00	1.98	1.000	0.99996
3472	7	4.53	188	11,793	1,574	0.119	62.73	7.49	1.112	0.99983
3552	2	5.00	9	1,274	566	0.016	141.56	2.25	1.000	0.99995
3553	3	2.59	95	2,974	1,032	0.092	31.31	2.88	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3592	6	8.56	130	12,630	1,741	0.075	97.15	7.25	1.000	0.99984
3593	5	7.18	118	12,172	929	0.127	103.15	13.10	1.000	0.99971
3621	4	4.48	73	5,343	1,559	0.047	73.19	3.43	1.014	0.99992
3661	3	4.78	109	6,894	1,025	0.106	63.25	6.73	1.000	0.99985
3662	1	1.37	1	82	782	0.001	82.00	0.10	1.000	0.99999
3663	2	1.95	11	671	789	0.014	61.00	0.85	1.000	0.99998
3664	1	0.82	15	740	520	0.029	49.33	1.42	1.000	0.99997
3675	1	0.37	8	179	414	0.019	22.38	0.43	1.000	0.99999
3692	1	1.88	1	113	410	0.002	113.00	0.28	1.000	0.99999
3701	1	1.42	484	41,373	484	1.000	85.48	85.48	1.000	0.99809
3702	3	2.84	636	52,598	609	1.044	82.70	86.37	1.044	0.99807
3751	4	12.63	918	63,644	875	1.049	69.33	72.74	1.049	0.99837
3872	5	8.08	82	11,039	1,067	0.077	134.62	10.35	1.000	0.99977
3873	2	2.67	2	160	792	0.003	80.00	0.20	1.000	0.99999
3878	2	2.08	17	623	789	0.022	36.65	0.79	1.000	0.99998
3891	2	1.89	449	18,187	448	1.002	40.51	40.60	1.002	0.99909
3893	6	9.77	12	791	1,107	0.011	65.92	0.71	1.000	0.99998
3901	1	1.82	15	1,639	880	0.017	109.27	1.86	1.000	0.99996
3903	1	0.87	1	52	298	0.003	52.00	0.17	1.000	0.99999
3912	2	0.95	2	57	1,133	0.002	28.50	0.05	1.000	0.99999
3914	1	0.68	36	1,502	369	0.098	41.72	4.07	1.000	0.99991
3951	3	3.24	63	2,861	923	0.068	45.41	3.10	1.050	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3952	6	5.30	42	1,664	1,261	0.033	39.62	1.32	1.050	0.99997
3953	3	3.76	10	495	519	0.019	49.50	0.95	1.000	0.99998
3971	1	1.50	50	4,483	665	0.075	89.66	6.74	1.000	0.99985
3981	1	0.82	1	49	1,498	0.001	49.00	0.03	1.000	0.99999
3982	3	1.60	76	2,879	1,763	0.043	37.88	1.63	1.000	0.99996
3991	2	1.95	38	1,425	723	0.053	37.50	1.97	1.000	0.99996
3992	1	0.92	6	335	166	0.036	55.83	2.02	1.000	0.99995
4031	1	1.08	1	65	696	0.001	65.00	0.09	1.000	0.99999
4091	2	2.93	9	593	1,143	0.008	65.89	0.52	1.125	0.99999
4102	2	2.63	7	680	903	0.008	97.14	0.75	1.000	0.99998
4131	1	1.68	1	101	199	0.005	101.00	0.51	1.000	0.99999
4134	1	0.93	51	2,879	833	0.061	56.45	3.46	1.000	0.99992
4138	2	3.62	8	463	740	0.011	57.88	0.63	1.000	0.99999
4142	5	7.85	44	4,900	593	0.074	111.36	8.26	1.023	0.99981
4151	3	3.56	1,279	132,187	1,241	1.031	103.35	106.52	1.031	0.99761
4152	7	9.74	886	92,342	816	1.086	104.22	113.16	1.087	0.99746
4153	1	0.93	1,280	72,042	1,309	0.978	56.28	55.04	1.000	0.99877
4154	2	2.51	1,203	114,265	1,202	1.001	94.98	95.06	1.001	0.99787
4155	5	5.14	4,639	314,110	2,094	2.215	67.71	150.00	2.215	0.99664
4171	3	3.41	55	2,589	675	0.081	47.07	3.84	1.019	0.99991
4172	8	8.97	166	15,868	1,711	0.097	95.59	9.27	1.006	0.99979
4173	1	0.90	27	1,473	628	0.043	54.56	2.35	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4181	3	4.72	9	982	492	0.018	109.11	2.00	1.000	0.99996
4182	3	2.97	92	4,248	1,017	0.090	46.17	4.18	1.011	0.99991
4211	1	1.20	1	72	697	0.001	72.00	0.10	1.000	0.99999
4212	6	6.84	84	6,068	815	0.103	72.24	7.45	1.012	0.99983
4222	11	10.98	1,896	33,337	1,042	1.025	17.58	31.99	1.025	0.99928
4301	1	1.30	101	7,953	101	1.000	78.74	78.74	1.000	0.99824
4302	1	1.32	649	51,649	649	1.000	79.58	79.58	1.000	0.99822
4303	1	1.33	953	76,700	951	1.002	80.48	80.65	1.000	0.99819
4304	1	1.32	236	18,699	236	1.000	79.23	79.23	1.000	0.99823
4311	1	0.62	13	486	790	0.016	37.38	0.62	1.000	0.99999
4313	2	2.36	5	455	318	0.016	91.00	1.43	1.000	0.99997
4332	1	0.08	1	5	303	0.003	5.00	0.02	1.000	0.99999
4333	1	0.32	1,385	27,122	682	1.000	19.58	39.77	1.000	0.99911
4341	4	4.23	81	4,006	1,779	0.046	49.46	2.25	1.025	0.99995
4342	1	0.93	27	1,512	1,749	0.015	56.00	0.86	1.000	0.99998
4343	3	3.02	1,014	98,968	1,022	0.992	97.60	96.84	1.010	0.99783
4362	1	0.62	35	1,308	826	0.042	37.37	1.58	1.000	0.99996
4363	3	2.95	33	1,793	1,650	0.020	54.33	1.09	1.031	0.99998
4371	5	4.52	76	4,880	1,538	0.049	64.21	3.17	1.027	0.99993
4372	4	2.68	55	3,221	439	0.125	58.56	7.34	1.078	0.99984
4373	2	2.29	2	137	773	0.003	68.50	0.18	1.000	0.99999
4386	1	6.03	240	86,642	1,655	0.145	361.01	52.35	1.000	0.99883

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4431	4	6.72	4	403	1,382	0.003	100.75	0.29	1.000	0.99999
4432	1	0.97	25	1,458	459	0.054	58.32	3.18	1.000	0.99993
4511	5	5.98	107	5,799	1,128	0.095	54.20	5.14	1.019	0.99988
4602	2	1.85	49	2,867	947	0.052	58.51	3.03	1.000	0.99993
4692	2	6.65	105	34,784	466	0.225	331.28	74.64	1.019	0.99833
4712	1	0.78	1	47	29	0.034	47.00	1.62	1.000	0.99996
4714	1	0.72	10	439	326	0.031	43.90	1.35	1.000	0.99997
5601	4	5.44	43	1,263	1,157	0.037	29.37	1.09	1.000	0.99998
5602	2	1.67	2	100	680	0.003	50.00	0.15	1.000	0.99999
5603	3	3.98	51	2,976	1,287	0.040	58.35	2.31	1.041	0.99995
5901	1	0.98	651	38,832	651	1.000	59.65	59.65	1.000	0.99866
5902	1	1.00	1,006	60,577	1,006	1.000	60.22	60.22	1.000	0.99865
5903	1	0.98	76	4,500	236	0.322	59.21	19.07	1.000	0.99957
5904	3	4.57	1,239	73,927	1,199	1.033	59.67	61.66	1.033	0.99862
5905	2	1.78	1,863	111,488	1,862	1.001	59.84	59.88	1.001	0.99866
6021	6	3.03	140	5,635	1,262	0.111	40.25	4.47	1.007	0.99990
6023	1	0.93	6	338	126	0.048	56.33	2.68	1.000	0.99994
6024	1	1.17	12	842	392	0.031	70.17	2.15	1.000	0.99995
6141	4	4.96	12	591	632	0.019	49.25	0.94	1.000	0.99998
6143	1	1.62	1	97	371	0.003	97.00	0.26	1.000	0.99999
6144	1	1.45	1	87	316	0.003	87.00	0.28	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	349	461.01	30,200	2,146,078	164,188	0.184	71.06	13.07	1.106	0.99971

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
 10/1/2015 to 10/31/2015
 EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	4.09	409	33,930	1,579	0.259	82.96	21.49	1.002	0.99952
1051	1	3.40	17	3,469	1,067	0.016	204.06	3.25	1.000	0.99993
1052	1	1.78	9	969	1,162	0.008	107.67	0.83	1.000	0.99998
1082	6	4.99	14	612	1,324	0.011	43.71	0.46	1.000	0.99999
1084	1	1.38	1	83	5	0.200	83.00	16.60	1.000	0.99963
1092	3	3.05	41	3,074	965	0.042	74.98	3.19	1.051	0.99993
1093	1	1.03	47	2,933	239	0.197	62.40	12.27	1.000	0.99973
1094	1	0.95	101	5,783	1,231	0.082	57.26	4.70	1.000	0.99989
1102	2	4.87	19	629	452	0.042	33.11	1.39	1.056	0.99997
1141	1	1.45	902	78,744	902	1.000	87.30	87.30	1.000	0.99804
1142	1	1.43	215	18,583	215	1.000	86.43	86.43	1.000	0.99806
1211	3	6.00	34	2,406	1,478	0.023	70.76	1.63	1.000	0.99996
1230	1	0.77	1	46	1,180	0.001	46.00	0.04	1.000	0.99999
1232	2	3.60	25	2,678	1,176	0.021	107.12	2.28	1.000	0.99995
1241	7	9.32	222	23,291	845	0.263	104.91	27.56	1.099	0.99938
1243	2	1.63	89	3,742	1,194	0.075	42.04	3.13	1.000	0.99993
1263	5	3.00	120	3,007	1,154	0.104	25.06	2.61	1.017	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1264	3	1.72	3	103	21	0.143	34.33	4.90	1.500	0.99989
1265	3	2.48	126	13,211	1,284	0.098	104.85	10.29	1.016	0.99977
1271	1	0.85	3	154	951	0.003	51.33	0.16	1.000	0.99999
1273	1	0.60	11	396	864	0.013	36.00	0.46	1.000	0.99999
1282	5	12.18	76	20,309	1,030	0.074	267.22	19.72	1.727	0.99956
1285	1	12.05	1	723	1,088	0.001	723.00	0.66	1.000	0.99999
1311	2	3.41	273	12,156	272	1.004	44.53	44.69	1.004	0.99900
1312	5	3.72	986	45,982	928	1.063	46.63	49.55	1.063	0.99889
1452	2	6.72	58	2,550	448	0.129	43.97	5.69	1.000	0.99987
1453	2	2.80	39	1,123	1,787	0.022	28.79	0.63	1.000	0.99999
1521	1	1.30	1	78	359	0.003	78.00	0.22	1.000	0.99999
1522	2	2.28	2	137	102	0.020	68.50	1.34	1.000	0.99997
1523	1	0.77	17	782	719	0.024	46.00	1.09	1.000	0.99998
1841	2	2.40	15	1,813	639	0.023	120.87	2.84	1.000	0.99994
1843	5	18.66	100	22,998	1,082	0.092	229.98	21.26	1.031	0.99952
2051	2	2.22	5	298	161	0.031	59.60	1.85	1.000	0.99996
2052	1	0.87	1	52	85	0.012	52.00	0.61	1.000	0.99999
2091	1	1.12	11	737	874	0.013	67.00	0.84	1.000	0.99998
2172	1	1.75	14	1,474	224	0.063	105.29	6.58	1.000	0.99985
2211	2	2.74	35	2,085	725	0.048	59.57	2.88	1.029	0.99994
2212	2	1.84	18	662	1,289	0.014	36.78	0.51	1.059	0.99999
2491	1	2.38	44	6,306	62	0.710	143.32	101.71	1.000	0.99772

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2511	3	4.48	3	269	619	0.005	89.67	0.43	1.000	0.99999
2621	1	1.53	23	2,117	1,162	0.020	92.04	1.82	1.000	0.99996
2622	1	2.45	1	147	113	0.009	147.00	1.30	1.000	0.99997
2951	1	2.68	1	161	1,379	0.001	161.00	0.12	1.000	0.99999
2961	1	0.55	18	602	645	0.028	33.44	0.93	1.000	0.99998
3121	1	1.82	230	25,219	1,122	0.205	109.65	22.48	1.000	0.99950
3122	2	2.52	4	211	847	0.005	52.75	0.25	1.000	0.99999
3123	1	0.55	1	33	1,044	0.001	33.00	0.03	1.000	0.99999
3181	4	5.22	4	313	720	0.006	78.25	0.43	1.000	0.99999
3221	2	5.81	8	2,108	1,237	0.006	263.50	1.70	1.143	0.99996
3222	1	0.80	1	48	766	0.001	48.00	0.06	1.000	0.99999
3231	1	1.77	1	106	413	0.002	106.00	0.26	1.000	0.99999
3232	1	0.70	1	42	428	0.002	42.00	0.10	1.000	0.99999
3303	1	0.40	1	24	979	0.001	24.00	0.02	1.000	0.99999
3312	1	0.12	1	7	393	0.003	7.00	0.02	1.000	0.99999
3314	1	1.28	14	1,084	219	0.064	77.43	4.95	1.000	0.99989
3315	3	2.69	31	2,413	1,572	0.020	77.84	1.53	1.069	0.99997
3422	2	2.58	2	155	967	0.002	77.50	0.16	1.000	0.99999
3471	1	1.42	4	340	172	0.023	85.00	1.98	1.000	0.99996
3472	7	4.53	188	11,793	1,574	0.119	62.73	7.49	1.112	0.99983
3552	2	5.00	9	1,274	566	0.016	141.56	2.25	1.000	0.99995
3553	3	2.59	95	2,974	1,032	0.092	31.31	2.88	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3592	6	8.56	130	12,630	1,741	0.075	97.15	7.25	1.000	0.99984
3593	5	7.18	118	12,172	929	0.127	103.15	13.10	1.000	0.99971
3621	4	4.48	73	5,343	1,559	0.047	73.19	3.43	1.014	0.99992
3661	3	4.78	109	6,894	1,025	0.106	63.25	6.73	1.000	0.99985
3662	1	1.37	1	82	782	0.001	82.00	0.10	1.000	0.99999
3663	2	1.95	11	671	789	0.014	61.00	0.85	1.000	0.99998
3664	1	0.82	15	740	520	0.029	49.33	1.42	1.000	0.99997
3675	1	0.37	8	179	414	0.019	22.38	0.43	1.000	0.99999
3692	1	1.88	1	113	410	0.002	113.00	0.28	1.000	0.99999
3701	1	1.42	484	41,373	484	1.000	85.48	85.48	1.000	0.99809
3702	3	2.84	636	52,598	609	1.044	82.70	86.37	1.044	0.99807
3751	4	12.63	918	63,644	875	1.049	69.33	72.74	1.049	0.99837
3872	5	8.08	82	11,039	1,067	0.077	134.62	10.35	1.000	0.99977
3873	2	2.67	2	160	792	0.003	80.00	0.20	1.000	0.99999
3878	2	2.08	17	623	789	0.022	36.65	0.79	1.000	0.99998
3891	2	1.89	449	18,187	448	1.002	40.51	40.60	1.002	0.99909
3893	6	9.77	12	791	1,107	0.011	65.92	0.71	1.000	0.99998
3901	1	1.82	15	1,639	880	0.017	109.27	1.86	1.000	0.99996
3903	1	0.87	1	52	298	0.003	52.00	0.17	1.000	0.99999
3912	2	0.95	2	57	1,133	0.002	28.50	0.05	1.000	0.99999
3914	1	0.68	36	1,502	369	0.098	41.72	4.07	1.000	0.99991
3951	3	3.24	63	2,861	923	0.068	45.41	3.10	1.050	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3952	6	5.30	42	1,664	1,261	0.033	39.62	1.32	1.050	0.99997
3953	3	3.76	10	495	519	0.019	49.50	0.95	1.000	0.99998
3971	1	1.50	50	4,483	665	0.075	89.66	6.74	1.000	0.99985
3981	1	0.82	1	49	1,498	0.001	49.00	0.03	1.000	0.99999
3982	3	1.60	76	2,879	1,763	0.043	37.88	1.63	1.000	0.99996
3991	2	1.95	38	1,425	723	0.053	37.50	1.97	1.000	0.99996
3992	1	0.92	6	335	166	0.036	55.83	2.02	1.000	0.99995
4031	1	1.08	1	65	696	0.001	65.00	0.09	1.000	0.99999
4091	2	2.93	9	593	1,143	0.008	65.89	0.52	1.125	0.99999
4102	2	2.63	7	680	903	0.008	97.14	0.75	1.000	0.99998
4131	1	1.68	1	101	199	0.005	101.00	0.51	1.000	0.99999
4134	1	0.93	51	2,879	833	0.061	56.45	3.46	1.000	0.99992
4138	2	3.62	8	463	740	0.011	57.88	0.63	1.000	0.99999
4142	5	7.85	44	4,900	593	0.074	111.36	8.26	1.023	0.99981
4151	3	3.56	1,279	132,187	1,241	1.031	103.35	106.52	1.031	0.99761
4152	7	9.74	886	92,342	816	1.086	104.22	113.16	1.087	0.99746
4153	1	0.93	1,280	72,042	1,309	0.978	56.28	55.04	1.000	0.99877
4154	2	2.51	1,203	114,265	1,202	1.001	94.98	95.06	1.001	0.99787
4155	5	5.14	4,639	314,110	2,094	2.215	67.71	150.00	2.215	0.99664
4171	3	3.41	55	2,589	675	0.081	47.07	3.84	1.019	0.99991
4172	8	8.97	166	15,868	1,711	0.097	95.59	9.27	1.006	0.99979
4173	1	0.90	27	1,473	628	0.043	54.56	2.35	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4181	3	4.72	9	982	492	0.018	109.11	2.00	1.000	0.99996
4182	3	2.97	92	4,248	1,017	0.090	46.17	4.18	1.011	0.99991
4211	1	1.20	1	72	697	0.001	72.00	0.10	1.000	0.99999
4212	6	6.84	84	6,068	815	0.103	72.24	7.45	1.012	0.99983
4222	11	10.98	1,896	33,337	1,042	1.025	17.58	31.99	1.025	0.99928
4301	1	1.30	101	7,953	101	1.000	78.74	78.74	1.000	0.99824
4302	1	1.32	649	51,649	649	1.000	79.58	79.58	1.000	0.99822
4303	1	1.33	953	76,700	951	1.002	80.48	80.65	1.000	0.99819
4304	1	1.32	236	18,699	236	1.000	79.23	79.23	1.000	0.99823
4311	1	0.62	13	486	790	0.016	37.38	0.62	1.000	0.99999
4313	2	2.36	5	455	318	0.016	91.00	1.43	1.000	0.99997
4332	1	0.08	1	5	303	0.003	5.00	0.02	1.000	0.99999
4333	1	0.32	1,385	27,122	682	1.00	19.58	39.77	1.000	0.99911
4341	4	4.23	81	4,006	1,779	0.046	49.46	2.25	1.025	0.99995
4342	1	0.93	27	1,512	1,749	0.015	56.00	0.86	1.000	0.99998
4343	3	3.02	1,014	98,968	1,022	0.992	97.60	96.84	1.010	0.99783
4362	1	0.62	35	1,308	826	0.042	37.37	1.58	1.000	0.99996
4363	3	2.95	33	1,793	1,650	0.020	54.33	1.09	1.031	0.99998
4371	5	4.52	76	4,880	1,538	0.049	64.21	3.17	1.027	0.99993
4372	4	2.68	55	3,221	439	0.125	58.56	7.34	1.078	0.99984
4373	2	2.29	2	137	773	0.003	68.50	0.18	1.000	0.99999
4386	1	6.03	240	86,642	1,655	0.145	361.01	52.35	1.000	0.99883

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4431	4	6.72	4	403	1,382	0.003	100.75	0.29	1.000	0.99999
4432	1	0.97	25	1,458	459	0.054	58.32	3.18	1.000	0.99993
4511	5	5.98	107	5,799	1,128	0.095	54.20	5.14	1.019	0.99988
4602	2	1.85	49	2,867	947	0.052	58.51	3.03	1.000	0.99993
4692	2	6.65	105	34,784	466	0.225	331.28	74.64	1.019	0.99833
4712	1	0.78	1	47	29	0.034	47.00	1.62	1.000	0.99996
4714	1	0.72	10	439	326	0.031	43.90	1.35	1.000	0.99997
5601	4	5.44	43	1,263	1,157	0.037	29.37	1.09	1.000	0.99998
5602	2	1.67	2	100	680	0.003	50.00	0.15	1.000	0.99999
5603	3	3.98	51	2,976	1,287	0.040	58.35	2.31	1.041	0.99995
5901	1	0.98	651	38,832	651	1.000	59.65	59.65	1.000	0.99866
5902	1	1.00	1,006	60,577	1,006	1.000	60.22	60.22	1.000	0.99865
5903	1	0.98	76	4,500	236	0.322	59.21	19.07	1.000	0.99957
5904	3	4.57	1,239	73,927	1,199	1.033	59.67	61.66	1.033	0.99862
5905	2	1.78	1,863	111,488	1,862	1.001	59.84	59.88	1.001	0.99866
6021	6	3.03	140	5,635	1,262	0.111	40.25	4.47	1.007	0.99990
6023	1	0.93	6	338	126	0.048	56.33	2.68	1.000	0.99994
6024	1	1.17	12	842	392	0.031	70.17	2.15	1.000	0.99995
6141	4	4.96	12	591	632	0.019	49.25	0.94	1.000	0.99998
6143	1	1.62	1	97	371	0.003	97.00	0.26	1.000	0.99999
6144	1	1.45	1	87	316	0.003	87.00	0.28	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	349	461.01	30,200	2,146,078	164,188	0.184	71.06	13.07	1.106	0.99971

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2015 to 11/30/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	5.18	76	3,269	1,579	0.048	43.01	2.07	1.027	0.99995
1051	2	2.27	132	13,240	1,067	0.124	100.30	12.41	1.008	0.99971
1052	4	4.55	1,282	61,423	1,162	1.103	47.91	52.86	1.103	0.99878
1082	2	1.90	1,329	105,189	1,324	1.004	79.15	79.45	1.006	0.99816
1092	4	6.36	110	15,356	965	0.114	139.60	15.91	1.028	0.99963
1101	2	1.27	4	180	976	0.004	45.00	0.18	1.000	0.99999
1102	1	0.23	25	367	452	0.055	14.68	0.81	1.000	0.99998
1141	1	2.62	1	157	902	0.001	157.00	0.17	1.000	0.99999
1211	1	0.60	1	36	1,478	0.001	36.00	0.02	1.000	0.99999
1242	2	0.88	54	1,012	678	0.080	18.74	1.49	1.000	0.99997
1263	3	3.76	51	1,142	1,154	0.044	22.39	0.99	1.159	0.99998
1265	1	1.58	1	95	1,284	0.001	95.00	0.07	1.000	0.99999
1267	1	0.77	82	3,822	82	1.000	46.61	46.61	1.000	0.99892
1271	6	7.60	41	6,658	951	0.043	162.39	7.00	1.025	0.99984
1273	6	7.08	23	992	864	0.027	43.13	1.15	1.045	0.99997
1282	5	8.69	15	1,063	1,030	0.015	70.87	1.03	1.000	0.99998
1284	4	6.52	30	1,707	867	0.035	56.90	1.97	1.034	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1312	11	7.95	26	1,445	928	0.028	55.58	1.56	1.000	0.99996
1452	1	0.83	8	400	448	0.018	50.00	0.89	1.000	0.99998
1453	2	1.13	45	1,905	1,787	0.025	42.33	1.07	1.000	0.99998
1454	4	9.36	397	71,245	935	0.425	179.46	76.20	1.000	0.99824
1455	2	6.05	2	363	381	0.005	181.50	0.95	1.000	0.99998
1521	1	2.63	3	476	359	0.008	158.67	1.33	1.000	0.99997
1522	2	4.12	2	247	102	0.020	123.50	2.42	1.000	0.99994
1843	2	9.61	7	2,002	1,082	0.006	286.00	1.85	1.000	0.99996
2051	1	2.67	161	25,760	161	1.000	160.00	160.00	1.000	0.99630
2052	1	2.67	85	13,600	85	1.000	160.00	160.00	1.000	0.99630
2091	1	4.92	1	295	874	0.001	295.00	0.34	1.000	0.99999
2092	1	1.60	1	96	911	0.001	96.00	0.11	1.000	0.99999
2211	1	1.30	47	3,684	725	0.065	78.38	5.08	1.000	0.99988
2212	1	1.37	17	1,403	1,289	0.013	82.53	1.09	1.000	0.99997
2491	1	6.47	62	24,056	62	1.000	388.00	388.00	1.000	0.99102
2492	1	6.95	29	12,115	29	1.000	417.76	417.76	1.000	0.99033
2511	2	3.47	620	61,390	619	1.002	99.02	99.18	1.002	0.99770
2621	5	5.28	10	636	1,162	0.009	63.60	0.55	1.000	0.99999
2711	1	1.55	1	93	254	0.004	93.00	0.37	1.000	0.99999
2951	2	1.50	37	1,238	1,379	0.027	33.46	0.90	1.028	0.99998
3121	2	2.05	3	189	1,122	0.003	63.00	0.17	1.000	0.99999
3122	1	1.13	12	818	847	0.014	68.17	0.97	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3123	1	0.35	1	21	1,044	0.001	21.00	0.02	1.000	0.99999
3221	2	5.43	12	1,725	1,237	0.010	143.75	1.39	1.000	0.99997
3222	3	5.98	1,291	126,658	766	1.060	98.11	165.35	1.060	0.99617
3231	2	1.99	414	27,723	413	1.002	66.96	67.13	1.002	0.99845
3232	2	1.55	7	263	428	0.016	37.57	0.61	1.167	0.99999
3301	1	5.03	1	302	196	0.005	302.00	1.54	1.000	0.99996
3303	1	0.60	82	2,976	979	0.084	36.29	3.04	1.000	0.99993
3311	1	2.12	1	127	533	0.002	127.00	0.24	1.000	0.99999
3315	2	2.02	32	2,250	1,572	0.020	70.31	1.43	1.000	0.99997
3422	2	2.78	123	10,130	967	0.127	82.36	10.48	1.017	0.99976
3423	2	2.05	25	1,298	386	0.065	51.92	3.36	1.042	0.99992
3471	1	2.07	172	21,491	172	1.000	124.95	124.95	1.000	0.99711
3472	2	3.15	1,439	240,456	1,574	0.914	167.10	152.77	1.001	0.99646
3552	1	2.57	5	773	566	0.009	154.60	1.37	1.000	0.99997
3553	2	1.69	5	266	1,032	0.005	53.20	0.26	1.000	0.99999
3592	3	5.11	24	2,107	1,741	0.014	87.79	1.21	1.000	0.99997
3593	4	4.80	69	4,333	929	0.074	62.80	4.66	1.030	0.99989
3594	1	1.40	1	84	668	0.001	84.00	0.13	1.000	0.99999
3621	1	1.13	1	68	1,559	0.001	68.00	0.04	1.000	0.99999
3661	2	3.75	2	225	1,025	0.002	112.50	0.22	1.000	0.99999
3663	7	5.15	7	308	789	0.009	44.00	0.39	1.000	0.99999
3664	6	3.79	29	1,383	520	0.056	47.69	2.66	1.074	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3671	1	0.58	24	851	497	0.048	35.46	1.71	1.000	0.99996
3693	1	1.97	20	2,360	185	0.108	118.00	12.76	1.000	0.99970
3701	2	1.94	299	12,465	484	0.618	41.69	25.75	1.031	0.99940
3702	1	0.58	16	570	609	0.026	35.63	0.94	1.000	0.99998
3751	3	19.46	68	4,773	875	0.078	70.19	5.45	1.015	0.99987
3873	1	1.03	1	62	792	0.001	62.00	0.08	1.000	0.99999
3878	2	3.33	2	200	789	0.003	100.00	0.25	1.000	0.99999
3891	2	1.62	14	727	448	0.031	51.93	1.62	1.000	0.99996
3892	2	6.55	7	1,336	499	0.014	190.86	2.68	1.000	0.99994
3893	2	1.53	3	119	1,107	0.003	39.67	0.11	1.000	0.99999
3901	1	2.25	1	135	880	0.001	135.00	0.15	1.000	0.99999
3903	1	2.65	1	159	298	0.003	159.00	0.53	1.000	0.99999
3912	1	0.42	1	25	1,133	0.001	25.00	0.02	1.000	0.99999
3914	1	1.02	36	2,229	369	0.098	61.92	6.04	1.000	0.99986
3951	3	6.39	28	2,894	923	0.030	103.36	3.14	1.077	0.99993
3952	4	8.80	4	528	1,261	0.003	132.00	0.42	1.000	0.99999
3953	2	4.30	32	4,105	519	0.062	128.28	7.91	1.000	0.99982
3971	2	3.13	18	1,622	665	0.027	90.11	2.44	1.000	0.99994
3982	4	11.49	119	21,160	1,763	0.067	177.82	12.00	1.044	0.99972
3991	10	10.39	41	3,825	723	0.057	93.29	5.29	1.000	0.99988
403	1	5.92	1	355	267	0.004	355.00	1.33	1.000	0.99997
4031	5	3.60	33	1,401	696	0.047	42.45	2.01	1.065	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4101	1	2.60	41	6,398	583	0.070	156.05	10.97	1.000	0.99975
4102	1	2.90	44	7,543	903	0.049	171.43	8.35	1.000	0.99981
4131	1	3.53	21	4,459	199	0.106	212.33	22.41	1.000	0.99948
4133	1	0.70	1	42	639	0.002	42.00	0.07	1.000	0.99999
4134	2	1.97	2	118	833	0.002	59.00	0.14	1.000	0.99999
4137	4	3.69	818	75,516	794	1.030	92.32	95.11	5.843	0.99780
4138	1	1.52	1	91	740	0.001	91.00	0.12	1.000	0.99999
4151	1	0.78	1	47	1,241	0.001	47.00	0.04	1.000	0.99999
4152	1	1.07	17	1,091	816	0.021	64.18	1.34	1.000	0.99997
4153	1	0.63	14	545	1,309	0.011	38.93	0.42	1.000	0.99999
4154	3	7.00	134	28,737	1,202	0.111	214.46	23.91	1.008	0.99945
4155	3	8.39	2,105	45,359	2,094	1.005	21.55	21.66	1.005	0.99950
4171	5	3.73	694	45,551	675	1.028	65.64	67.48	1.028	0.99844
4172	7	8.66	1,884	249,942	1,711	1.101	132.67	146.08	1.096	0.99662
4173	1	0.93	23	1,289	628	0.037	56.04	2.05	1.000	0.99995
4182	1	2.23	1	134	1,017	0.001	134.00	0.13	1.000	0.99999
4211	3	5.94	12	1,780	697	0.017	148.33	2.55	1.000	0.99994
4212	1	1.15	17	1,188	815	0.021	69.88	1.46	1.000	0.99997
4223	1	0.80	8	385	798	0.010	48.13	0.48	1.000	0.99999
4224	9	24.97	61	11,521	755	0.081	188.87	15.26	1.000	0.99965
4302	4	7.07	183	15,494	649	0.282	84.67	23.87	1.017	0.99945
4303	1	0.75	5	229	951	0.005	45.80	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4311	1	1.42	1	85	790	0.001	85.00	0.11	1.000	0.99999
4324	3	10.38	69	19,482	1,248	0.055	282.35	15.61	1.150	0.99964
4331	1	1.50	1	90	301	0.003	90.00	0.30	1.000	0.99999
4341	3	3.59	50	5,235	1,779	0.028	104.70	2.94	1.020	0.99993
4342	2	1.60	56	2,671	1,749	0.032	47.70	1.53	1.000	0.99996
4343	1	1.50	5	450	1,022	0.005	90.00	0.44	1.000	0.99999
4361	4	9.76	173	62,573	794	0.218	361.69	78.81	1.407	0.99818
4362	4	5.38	850	49,510	826	1.029	58.25	59.94	1.029	0.99861
4363	4	6.55	1,655	223,857	1,650	1.003	135.26	135.67	1.004	0.99686
4371	3	5.99	153	8,298	1,538	0.099	54.24	5.40	2.013	0.99988
4372	1	1.05	5	316	439	0.011	63.20	0.72	1.000	0.99998
4373	3	4.98	11	1,222	773	0.014	111.09	1.58	1.100	0.99996
4381	6	8.18	107	1,986	335	0.319	18.56	5.93	1.049	0.99986
4385	3	2.58	1,100	28,452	1,109	0.992	25.87	25.66	1.554	0.99941
4431	4	12.45	99	14,120	1,382	0.072	142.63	10.22	1.031	0.99976
4432	2	2.60	124	9,766	459	0.270	78.76	21.28	1.107	0.99951
4511	2	4.87	81	6,308	1,128	0.072	77.88	5.59	1.000	0.99987
4512	1	0.98	1	59	1,006	0.001	59.00	0.06	1.000	0.99999
4513	1	1.27	1	76	674	0.001	76.00	0.11	1.000	0.99999
4602	1	1.53	86	7,873	947	0.091	91.55	8.31	1.000	0.99981
5601	3	3.42	94	5,902	1,157	0.081	62.79	5.10	1.000	0.99988
5603	1	6.23	1	374	1,287	0.001	374.00	0.29	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5641	2	5.56	2	334	322	0.006	167.00	1.04	1.000	0.99998
5902	1	0.80	1	48	1,006	0.001	48.00	0.05	1.000	0.99999
5903	8	4.77	51	649	236	0.216	12.73	2.75	1.000	0.99994
5904	3	3.32	82	2,511	1,199	0.068	30.62	2.09	1.000	0.99995
5905	2	1.64	28	1,193	1,862	0.015	42.61	0.64	1.037	0.99999
6021	3	4.14	77	5,066	1,262	0.061	65.79	4.01	1.000	0.99991
6023	1	0.78	1	47	126	0.008	47.00	0.37	1.000	0.99999
6141	2	4.16	174	21,804	632	0.275	125.31	34.50	1.955	0.99920
6142	2	3.02	39	3,596	308	0.127	92.21	11.68	1.000	0.99973
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	327	526.94	20,610	1,927,444	164,188	0.126	93.52	11.74	1.088	0.99973

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2015 to 11/30/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	5.18	76	3,269	1,579	0.048	43.01	2.07	1.027	0.99995
1051	2	2.27	132	13,240	1,067	0.124	100.30	12.41	1.008	0.99971
1052	4	4.55	1,282	61,423	1,162	1.103	47.91	52.86	1.103	0.99878
1082	2	1.90	1,329	105,189	1,324	1.004	79.15	79.45	1.006	0.99816
1092	4	6.36	110	15,356	965	0.114	139.60	15.91	1.028	0.99963
1101	2	1.27	4	180	976	0.004	45.00	0.18	1.000	0.99999
1102	1	0.23	25	367	452	0.055	14.68	0.81	1.000	0.99998
1141	1	2.62	1	157	902	0.001	157.00	0.17	1.000	0.99999
1211	1	0.60	1	36	1,478	0.001	36.00	0.02	1.000	0.99999
1242	2	0.88	54	1,012	678	0.080	18.74	1.49	1.000	0.99997
1263	3	3.76	51	1,142	1,154	0.044	22.39	0.99	1.159	0.99998
1265	1	1.58	1	95	1,284	0.001	95.00	0.07	1.000	0.99999
1267	1	0.77	82	3,822	82	1.000	46.61	46.61	1.000	0.99892
1271	6	7.60	41	6,658	951	0.043	162.39	7.00	1.025	0.99984
1273	6	7.08	23	992	864	0.027	43.13	1.15	1.045	0.99997
1282	5	8.69	15	1,063	1,030	0.015	70.87	1.03	1.000	0.99998
1284	4	6.52	30	1,707	867	0.035	56.90	1.97	1.034	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1312	11	7.95	26	1,445	928	0.028	55.58	1.56	1.000	0.99996
1452	1	0.83	8	400	448	0.018	50.00	0.89	1.000	0.99998
1453	2	1.13	45	1,905	1,787	0.025	42.33	1.07	1.000	0.99998
1454	4	9.36	397	71,245	935	0.425	179.46	76.20	1.000	0.99824
1455	2	6.05	2	363	381	0.005	181.50	0.95	1.000	0.99998
1521	1	2.63	3	476	359	0.008	158.67	1.33	1.000	0.99997
1522	2	4.12	2	247	102	0.020	123.50	2.42	1.000	0.99994
1843	2	9.61	7	2,002	1,082	0.006	286.00	1.85	1.000	0.99996
2051	1	2.67	161	25,760	161	1.000	160.00	160.00	1.000	0.99630
2052	1	2.67	85	13,600	85	1.000	160.00	160.00	1.000	0.99630
2091	1	4.92	1	295	874	0.001	295.00	0.34	1.000	0.99999
2092	1	1.60	1	96	911	0.001	96.00	0.11	1.000	0.99999
2211	1	1.30	47	3,684	725	0.065	78.38	5.08	1.000	0.99988
2212	1	1.37	17	1,403	1,289	0.013	82.53	1.09	1.000	0.99997
2491	1	6.47	62	24,056	62	1.000	388.00	388.00	1.000	0.99102
2492	1	6.95	29	12,115	29	1.000	417.76	417.76	1.000	0.99033
2511	2	3.47	620	61,390	619	1.002	99.02	99.18	1.002	0.99770
2621	5	5.28	10	636	1,162	0.009	63.60	0.55	1.000	0.99999
2711	1	1.55	1	93	254	0.004	93.00	0.37	1.000	0.99999
2951	2	1.50	37	1,238	1,379	0.027	33.46	0.90	1.028	0.99998
3121	2	2.05	3	189	1,122	0.003	63.00	0.17	1.000	0.99999
3122	1	1.13	12	818	847	0.014	68.17	0.97	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3123	1	0.35	1	21	1,044	0.001	21.00	0.02	1.000	0.99999
3221	2	5.43	12	1,725	1,237	0.010	143.75	1.39	1.000	0.99997
3222	3	5.98	1,291	126,658	766	1.060	98.11	165.35	1.060	0.99617
3231	2	1.99	414	27,723	413	1.002	66.96	67.13	1.002	0.99845
3232	2	1.55	7	263	428	0.016	37.57	0.61	1.167	0.99999
3301	1	5.03	1	302	196	0.005	302.00	1.54	1.000	0.99996
3303	1	0.60	82	2,976	979	0.084	36.29	3.04	1.000	0.99993
3311	1	2.12	1	127	533	0.002	127.00	0.24	1.000	0.99999
3315	2	2.02	32	2,250	1,572	0.020	70.31	1.43	1.000	0.99997
3422	2	2.78	123	10,130	967	0.127	82.36	10.48	1.017	0.99976
3423	2	2.05	25	1,298	386	0.065	51.92	3.36	1.042	0.99992
3471	1	2.07	172	21,491	172	1.000	124.95	124.95	1.000	0.99711
3472	2	3.15	1,439	240,456	1,574	0.914	167.10	152.77	1.001	0.99646
3552	1	2.57	5	773	566	0.009	154.60	1.37	1.000	0.99997
3553	2	1.69	5	266	1,032	0.005	53.20	0.26	1.000	0.99999
3592	3	5.11	24	2,107	1,741	0.014	87.79	1.21	1.000	0.99997
3593	4	4.80	69	4,333	929	0.074	62.80	4.66	1.030	0.99989
3594	1	1.40	1	84	668	0.001	84.00	0.13	1.000	0.99999
3621	1	1.13	1	68	1,559	0.001	68.00	0.04	1.000	0.99999
3661	2	3.75	2	225	1,025	0.002	112.50	0.22	1.000	0.99999
3663	7	5.15	7	308	789	0.009	44.00	0.39	1.000	0.99999
3664	6	3.79	29	1,383	520	0.056	47.69	2.66	1.074	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3671	1	0.58	24	851	497	0.048	35.46	1.71	1.000	0.99996
3693	1	1.97	20	2,360	185	0.108	118.00	12.76	1.000	0.99970
3701	2	1.94	299	12,465	484	0.618	41.69	25.75	1.031	0.99940
3702	1	0.58	16	570	609	0.026	35.63	0.94	1.000	0.99998
3751	3	19.46	68	4,773	875	0.078	70.19	5.45	1.015	0.99987
3873	1	1.03	1	62	792	0.001	62.00	0.08	1.000	0.99999
3878	2	3.33	2	200	789	0.003	100.00	0.25	1.000	0.99999
3891	2	1.62	14	727	448	0.031	51.93	1.62	1.000	0.99996
3892	2	6.55	7	1,336	499	0.014	190.86	2.68	1.000	0.99994
3893	2	1.53	3	119	1,107	0.003	39.67	0.11	1.000	0.99999
3901	1	2.25	1	135	880	0.001	135.00	0.15	1.000	0.99999
3903	1	2.65	1	159	298	0.003	159.00	0.53	1.000	0.99999
3912	1	0.42	1	25	1,133	0.001	25.00	0.02	1.000	0.99999
3914	1	1.02	36	2,229	369	0.098	61.92	6.04	1.000	0.99986
3951	3	6.39	28	2,894	923	0.030	103.36	3.14	1.077	0.99993
3952	4	8.80	4	528	1,261	0.003	132.00	0.42	1.000	0.99999
3953	2	4.30	32	4,105	519	0.062	128.28	7.91	1.000	0.99982
3971	2	3.13	18	1,622	665	0.027	90.11	2.44	1.000	0.99994
3982	4	11.49	119	21,160	1,763	0.067	177.82	12.00	1.044	0.99972
3991	10	10.39	41	3,825	723	0.057	93.29	5.29	1.000	0.99988
403	1	5.92	1	355	267	0.004	355.00	1.33	1.000	0.99997
4031	5	3.60	33	1,401	696	0.047	42.45	2.01	1.065	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4101	1	2.60	41	6,398	583	0.070	156.05	10.97	1.000	0.99975
4102	1	2.90	44	7,543	903	0.049	171.43	8.35	1.000	0.99981
4131	1	3.53	21	4,459	199	0.106	212.33	22.41	1.000	0.99948
4133	1	0.70	1	42	639	0.002	42.00	0.07	1.000	0.99999
4134	2	1.97	2	118	833	0.002	59.00	0.14	1.000	0.99999
4137	4	3.69	818	75,516	794	1.030	92.32	95.11	5.843	0.99780
4138	1	1.52	1	91	740	0.001	91.00	0.12	1.000	0.99999
4151	1	0.78	1	47	1,241	0.001	47.00	0.04	1.000	0.99999
4152	1	1.07	17	1,091	816	0.021	64.18	1.34	1.000	0.99997
4153	1	0.63	14	545	1,309	0.011	38.93	0.42	1.000	0.99999
4154	3	7.00	134	28,737	1,202	0.111	214.46	23.91	1.008	0.99945
4155	3	8.39	2,105	45,359	2,094	1.005	21.55	21.66	1.005	0.99950
4171	5	3.73	694	45,551	675	1.028	65.64	67.48	1.028	0.99844
4172	7	8.66	1,884	249,942	1,711	1.101	132.67	146.08	1.096	0.99662
4173	1	0.93	23	1,289	628	0.037	56.04	2.05	1.000	0.99995
4182	1	2.23	1	134	1,017	0.001	134.00	0.13	1.000	0.99999
4211	3	5.94	12	1,780	697	0.017	148.33	2.55	1.000	0.99994
4212	1	1.15	17	1,188	815	0.021	69.88	1.46	1.000	0.99997
4223	1	0.80	8	385	798	0.010	48.13	0.48	1.000	0.99999
4224	9	24.97	61	11,521	755	0.081	188.87	15.26	1.000	0.99965
4302	4	7.07	183	15,494	649	0.282	84.67	23.87	1.017	0.99945
4303	1	0.75	5	229	951	0.005	45.80	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4311	1	1.42	1	85	790	0.001	85.00	0.11	1.000	0.99999
4324	3	10.38	69	19,482	1,248	0.055	282.35	15.61	1.150	0.99964
4331	1	1.50	1	90	301	0.003	90.00	0.30	1.000	0.99999
4341	3	3.59	50	5,235	1,779	0.028	104.70	2.94	1.020	0.99993
4342	2	1.60	56	2,671	1,749	0.032	47.70	1.53	1.000	0.99996
4343	1	1.50	5	450	1,022	0.005	90.00	0.44	1.000	0.99999
4361	4	9.76	173	62,573	794	0.218	361.69	78.81	1.407	0.99818
4362	4	5.38	850	49,510	826	1.029	58.25	59.94	1.029	0.99861
4363	4	6.55	1,655	223,857	1,650	1.003	135.26	135.67	1.004	0.99686
4371	3	5.99	153	8,298	1,538	0.099	54.24	5.40	2.013	0.99988
4372	1	1.05	5	316	439	0.011	63.20	0.72	1.000	0.99998
4373	3	4.98	11	1,222	773	0.014	111.09	1.58	1.100	0.99996
4381	6	8.18	107	1,986	335	0.319	18.56	5.93	1.049	0.99986
4385	3	2.58	1,100	28,452	1,109	0.992	25.87	25.66	1.554	0.99941
4431	4	12.45	99	14,120	1,382	0.072	142.63	10.22	1.031	0.99976
4432	2	2.60	124	9,766	459	0.270	78.76	21.28	1.107	0.99951
4511	2	4.87	81	6,308	1,128	0.072	77.88	5.59	1.000	0.99987
4512	1	0.98	1	59	1,006	0.001	59.00	0.06	1.000	0.99999
4513	1	1.27	1	76	674	0.001	76.00	0.11	1.000	0.99999
4602	1	1.53	86	7,873	947	0.091	91.55	8.31	1.000	0.99981
5601	3	3.42	94	5,902	1,157	0.081	62.79	5.10	1.000	0.99988
5603	1	6.23	1	374	1,287	0.001	374.00	0.29	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5641	2	5.56	2	334	322	0.006	167.00	1.04	1.000	0.99998
5902	1	0.80	1	48	1,006	0.001	48.00	0.05	1.000	0.99999
5903	8	4.77	51	649	236	0.216	12.73	2.75	1.000	0.99994
5904	3	3.32	82	2,511	1,199	0.068	30.62	2.09	1.000	0.99995
5905	2	1.64	28	1,193	1,862	0.015	42.61	0.64	1.037	0.99999
6021	3	4.14	77	5,066	1,262	0.061	65.79	4.01	1.000	0.99991
6023	1	0.78	1	47	126	0.008	47.00	0.37	1.000	0.99999
6141	2	4.16	174	21,804	632	0.275	125.31	34.50	1.955	0.99920
6142	2	3.02	39	3,596	308	0.127	92.21	11.68	1.000	0.99973
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	327	526.94	20,610	1,927,444	164,188	0.126	93.52	11.74	1.088	0.99973

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2015 to 12/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	3.10	138	9,028	1,579	0.087	65.42	5.72	1.000	0.99987
1051	1	4.42	131	34,819	1,067	0.123	265.79	32.63	1.000	0.99927
1052	2	1.72	16	840	1,162	0.014	52.50	0.72	1.000	0.99998
1082	1	1.38	1	83	1,324	0.001	83.00	0.06	1.000	0.99999
1092	3	5.20	3	312	965	0.003	104.00	0.32	1.000	0.99999
1093	1	1.17	6	420	239	0.025	70.00	1.76	1.000	0.99996
1094	4	7.73	128	11,219	1,231	0.104	87.65	9.11	1.016	0.99980
1101	1	0.83	1	50	976	0.001	50.00	0.05	1.000	0.99999
1102	2	1.10	84	2,245	452	0.186	26.73	4.97	1.000	0.99989
1141	1	0.53	902	29,269	902	1.000	32.45	32.45	1.000	0.99927
1142	1	1.00	8	483	215	0.037	60.38	2.25	1.000	0.99995
1242	1	1.73	9	937	678	0.013	104.11	1.38	1.000	0.99997
1243	5	5.67	80	1,803	1,194	0.067	22.54	1.51	1.013	0.99997
1262	1	0.52	1	31	148	0.007	31.00	0.21	1.000	0.99999
1263	1	4.05	1	243	1,154	0.001	243.00	0.21	1.000	0.99999
1271	1	1.27	1	76	951	0.001	76.00	0.08	1.000	0.99999
1273	4	8.28	19	2,199	864	0.022	115.74	2.55	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	1	0.63	17	659	1,030	0.017	38.76	0.64	1.000	0.99999
1284	2	1.90	23	2,132	867	0.027	92.70	2.46	1.000	0.99994
1285	1	1.05	1,088	69,142	1,088	1.000	63.55	63.55	1.000	0.99858
1312	2	1.73	43	2,178	928	0.046	50.65	2.35	1.000	0.99995
1451	1	1.47	264	23,337	518	0.510	88.40	45.05	1.000	0.99899
1452	2	1.85	26	1,451	448	0.058	55.81	3.24	1.083	0.99993
1453	2	1.05	84	2,754	1,787	0.047	32.79	1.54	1.000	0.99997
1454	2	4.17	1,575	123,390	935	1.001	78.34	131.97	1.001	0.99704
1521	2	2.88	17	1,333	359	0.047	78.41	3.71	1.063	0.99992
1841	1	1.03	1	62	639	0.002	62.00	0.10	1.000	0.99999
1843	3	9.90	36	5,826	1,082	0.033	161.83	5.38	1.000	0.99988
2091	1	2.70	1	162	874	0.001	162.00	0.19	1.000	0.99999
2212	2	5.50	2	330	1,289	0.002	165.00	0.26	1.000	0.99999
2621	4	6.88	24	3,518	1,162	0.021	146.58	3.03	1.043	0.99993
2622	1	3.02	2	363	113	0.018	181.50	3.21	1.000	0.99993
2921	4	4.22	4	253	372	0.011	63.25	0.68	1.333	0.99998
2951	4	3.02	16	744	1,379	0.012	46.50	0.54	1.000	0.99999
3081	1	0.58	1	35	573	0.002	35.00	0.06	1.000	0.99999
3082	1	1.62	1	97	322	0.003	97.00	0.30	1.000	0.99999
3121	1	0.78	1	47	1,122	0.001	47.00	0.04	1.000	0.99999
3122	2	1.75	41	2,047	847	0.048	49.93	2.42	1.000	0.99995
3221	9	12.82	3,737	172,233	1,237	3.021	46.09	139.23	3.021	0.99688

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3222	5	16.10	37	6,020	766	0.048	162.70	7.86	1.121	0.99982
3312	1	4.12	12	2,968	393	0.031	247.33	7.55	1.000	0.99983
3313	1	1.75	1	105	1,315	0.001	105.00	0.08	1.000	0.99999
3423	1	0.72	27	1,181	386	0.070	43.74	3.06	1.000	0.99993
3471	1	1.35	1	81	172	0.006	81.00	0.47	1.000	0.99999
3472	4	9.22	4	553	1,574	0.003	138.25	0.35	1.000	0.99999
3552	1	1.42	85	7,274	566	0.150	85.58	12.85	1.000	0.99971
3553	2	1.72	2	103	1,032	0.002	51.50	0.10	1.000	0.99999
3591	1	0.73	1	44	1,182	0.001	44.00	0.04	1.000	0.99999
3621	1	0.97	1	58	1,559	0.001	58.00	0.04	1.000	0.99999
3661	1	6.55	14	5,506	1,025	0.014	393.29	5.37	1.000	0.99988
3662	1	4.33	55	14,300	782	0.070	260.00	18.29	1.000	0.99959
3663	3	5.08	32	3,239	789	0.041	101.22	4.11	1.032	0.99991
3664	2	2.80	2	168	520	0.004	84.00	0.32	1.000	0.99999
3672	1	1.13	1	68	137	0.007	68.00	0.50	1.000	0.99999
3691	1	1.63	1	98	1,156	0.001	98.00	0.08	1.000	0.99999
3702	1	7.10	8	3,408	609	0.013	426.00	5.60	1.000	0.99987
3751	2	1.63	49	2,596	875	0.056	52.98	2.97	1.000	0.99993
3871	2	3.55	2	213	1,380	0.001	106.50	0.15	1.000	0.99999
3872	1	1.45	1	87	1,067	0.001	87.00	0.08	1.000	0.99999
3873	1	2.72	44	7,075	792	0.056	160.80	8.93	1.000	0.99980
3891	1	0.68	1	41	448	0.002	41.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3892	1	2.02	1	121	499	0.002	121.00	0.24	1.000	0.99999
3893	3	4.22	4	288	1,107	0.004	72.00	0.26	1.000	0.99999
3894	2	3.30	2	198	116	0.017	99.00	1.71	2.000	0.99996
3901	3	3.35	24	1,829	880	0.027	76.21	2.08	1.043	0.99995
3903	1	1.32	5	397	298	0.017	79.40	1.33	1.000	0.99997
3912	2	2.53	2	152	1,133	0.002	76.00	0.13	1.000	0.99999
3913	1	0.90	24	1,308	809	0.030	54.50	1.62	1.000	0.99996
3914	1	1.60	11	1,066	369	0.030	96.91	2.89	1.000	0.99994
3951	4	2.59	140	6,234	923	0.152	44.53	6.75	1.014	0.99985
3952	3	10.45	19	3,990	1,261	0.015	210.00	3.16	1.056	0.99993
3953	1	3.97	30	7,162	519	0.058	238.73	13.80	1.000	0.99969
3971	1	3.00	1	180	665	0.002	180.00	0.27	1.000	0.99999
3981	2	1.83	3	155	1,498	0.002	51.67	0.10	1.000	0.99999
3982	4	2.98	242	6,773	1,763	0.137	27.99	3.84	1.013	0.99991
3991	4	7.06	52	5,349	723	0.072	102.87	7.40	1.020	0.99983
4031	1	6.23	65	24,366	696	0.093	374.86	35.01	1.000	0.99922
405	1	0.55	1	33	52	0.019	33.00	0.63	1.000	0.99999
4091	1	2.00	1	120	1,143	0.001	120.00	0.10	1.000	0.99999
4092	1	1.35	3	245	430	0.007	81.67	0.57	1.000	0.99999
4102	1	0.83	41	2,071	903	0.045	50.51	2.29	1.000	0.99995
4134	1	0.92	825	45,375	833	0.990	55.00	54.47	1.000	0.99878
4138	2	2.12	2	127	740	0.003	63.50	0.17	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4141	2	3.43	2	206	82	0.024	103.00	2.51	1.000	0.99994
4151	1	1.23	2	149	1,241	0.002	74.50	0.12	1.000	0.99999
4153	1	1.08	34	2,215	1,309	0.026	65.15	1.69	1.000	0.99996
4172	7	6.08	120	7,077	1,711	0.070	58.98	4.14	1.017	0.99991
4173	2	1.93	102	7,076	628	0.162	69.37	11.27	1.000	0.99975
4182	2	7.34	13	1,586	1,017	0.013	122.00	1.56	1.083	0.99997
4211	3	4.65	699	130,060	697	1.003	186.07	186.60	1.003	0.99582
4222	1	3.23	1	194	1,042	0.001	194.00	0.19	1.000	0.99999
4223	1	0.35	1	21	798	0.001	21.00	0.03	1.000	0.99999
4313	1	1.03	88	5,479	318	0.277	62.26	17.23	1.000	0.99961
4341	2	1.33	1,778	65,703	1,779	0.999	36.95	36.93	1.001	0.99917
4343	1	1.48	1	89	1,022	0.001	89.00	0.09	1.000	0.99999
4361	1	1.43	37	3,197	794	0.047	86.41	4.03	1.000	0.99991
4362	2	3.67	34	6,059	826	0.041	178.21	7.34	1.030	0.99984
4363	3	4.56	3	274	1,650	0.002	91.33	0.17	1.000	0.99999
4371	2	1.02	2	61	1,538	0.001	30.50	0.04	1.000	0.99999
4373	2	4.88	13	1,846	773	0.017	142.00	2.39	1.000	0.99995
4381	16	25.52	16	1,533	335	0.048	95.81	4.58	1.000	0.99990
4385	5	8.71	157	20,659	1,109	0.142	131.59	18.63	1.019	0.99958
4431	2	5.27	2	316	1,382	0.001	158.00	0.23	1.000	0.99999
4432	2	4.95	460	103,179	459	1.002	224.30	224.79	1.002	0.99496
4692	3	3.92	43	2,886	466	0.092	67.12	6.19	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	4	2.01	110	2,421	1,157	0.095	22.01	2.09	1.009	0.99995
5602	1	0.87	1	52	680	0.001	52.00	0.08	1.000	0.99999
5603	5	3.51	26	1,202	1,287	0.020	46.23	0.93	1.000	0.99998
5901	1	1.23	1	74	651	0.002	74.00	0.11	1.000	0.99999
5902	6	44.77	1,399	160,068	1,006	1.391	114.42	159.11	1.391	0.99644
5903	2	1.89	2	113	236	0.008	56.50	0.48	1.000	0.99999
5904	5	4.25	164	8,761	1,199	0.137	53.42	7.31	1.000	0.99984
6021	3	2.47	75	2,985	1,262	0.059	39.80	2.37	1.000	0.99995
6141	4	6.91	531	67,748	632	0.840	127.59	107.20	1.008	0.99760
6143	1	0.88	11	591	371	0.030	53.73	1.59	1.000	0.99996
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	252	428.00	16,340	1,272,755	164,188	0.100	77.89	7.75	1.218	0.99983

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2015 to 12/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	3.10	138	9,028	1,579	0.087	65.42	5.72	1.000	0.99987
1051	1	4.42	131	34,819	1,067	0.123	265.79	32.63	1.000	0.99927
1052	2	1.72	16	840	1,162	0.014	52.50	0.72	1.000	0.99998
1082	1	1.38	1	83	1,324	0.001	83.00	0.06	1.000	0.99999
1092	3	5.20	3	312	965	0.003	104.00	0.32	1.000	0.99999
1093	1	1.17	6	420	239	0.025	70.00	1.76	1.000	0.99996
1094	4	7.73	128	11,219	1,231	0.104	87.65	9.11	1.016	0.99980
1101	1	0.83	1	50	976	0.001	50.00	0.05	1.000	0.99999
1102	2	1.10	84	2,245	452	0.186	26.73	4.97	1.000	0.99989
1141	1	0.53	902	29,269	902	1.000	32.45	32.45	1.000	0.99927
1142	1	1.00	8	483	215	0.037	60.38	2.25	1.000	0.99995
1242	1	1.73	9	937	678	0.013	104.11	1.38	1.000	0.99997
1243	5	5.67	80	1,803	1,194	0.067	22.54	1.51	1.013	0.99997
1262	1	0.52	1	31	148	0.007	31.00	0.21	1.000	0.99999
1263	1	4.05	1	243	1,154	0.001	243.00	0.21	1.000	0.99999
1271	1	1.27	1	76	951	0.001	76.00	0.08	1.000	0.99999
1273	4	8.28	19	2,199	864	0.022	115.74	2.55	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	1	0.63	17	659	1,030	0.017	38.76	0.64	1.000	0.99999
1284	2	1.90	23	2,132	867	0.027	92.70	2.46	1.000	0.99994
1285	1	1.05	1,088	69,142	1,088	1.000	63.55	63.55	1.000	0.99858
1312	2	1.73	43	2,178	928	0.046	50.65	2.35	1.000	0.99995
1451	1	1.47	264	23,337	518	0.510	88.40	45.05	1.000	0.99899
1452	2	1.85	26	1,451	448	0.058	55.81	3.24	1.083	0.99993
1453	2	1.05	84	2,754	1,787	0.047	32.79	1.54	1.000	0.99997
1454	2	4.17	1,575	123,390	935	1.001	78.34	131.97	1.001	0.99704
1521	2	2.88	17	1,333	359	0.047	78.41	3.71	1.063	0.99992
1841	1	1.03	1	62	639	0.002	62.00	0.10	1.000	0.99999
1843	3	9.90	36	5,826	1,082	0.033	161.83	5.38	1.000	0.99988
2091	1	2.70	1	162	874	0.001	162.00	0.19	1.000	0.99999
2212	2	5.50	2	330	1,289	0.002	165.00	0.26	1.000	0.99999
2621	4	6.88	24	3,518	1,162	0.021	146.58	3.03	1.043	0.99993
2622	1	3.02	2	363	113	0.018	181.50	3.21	1.000	0.99993
2921	4	4.22	4	253	372	0.011	63.25	0.68	1.333	0.99998
2951	4	3.02	16	744	1,379	0.012	46.50	0.54	1.000	0.99999
3081	1	0.58	1	35	573	0.002	35.00	0.06	1.000	0.99999
3082	1	1.62	1	97	322	0.003	97.00	0.30	1.000	0.99999
3121	1	0.78	1	47	1,122	0.001	47.00	0.04	1.000	0.99999
3122	2	1.75	41	2,047	847	0.048	49.93	2.42	1.000	0.99995
3221	9	12.82	3,737	172,233	1,237	3.021	46.09	139.23	3.021	0.99688

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3222	5	16.10	37	6,020	766	0.048	162.70	7.86	1.121	0.99982
3312	1	4.12	12	2,968	393	0.031	247.33	7.55	1.000	0.99983
3313	1	1.75	1	105	1,315	0.001	105.00	0.08	1.000	0.99999
3423	1	0.72	27	1,181	386	0.070	43.74	3.06	1.000	0.99993
3471	1	1.35	1	81	172	0.006	81.00	0.47	1.000	0.99999
3472	4	9.22	4	553	1,574	0.003	138.25	0.35	1.000	0.99999
3552	1	1.42	85	7,274	566	0.150	85.58	12.85	1.000	0.99971
3553	2	1.72	2	103	1,032	0.002	51.50	0.10	1.000	0.99999
3591	1	0.73	1	44	1,182	0.001	44.00	0.04	1.000	0.99999
3621	1	0.97	1	58	1,559	0.001	58.00	0.04	1.000	0.99999
3661	1	6.55	14	5,506	1,025	0.014	393.29	5.37	1.000	0.99988
3662	1	4.33	55	14,300	782	0.070	260.00	18.29	1.000	0.99959
3663	3	5.08	32	3,239	789	0.041	101.22	4.11	1.032	0.99991
3664	2	2.80	2	168	520	0.004	84.00	0.32	1.000	0.99999
3672	1	1.13	1	68	137	0.007	68.00	0.50	1.000	0.99999
3691	1	1.63	1	98	1,156	0.001	98.00	0.08	1.000	0.99999
3702	1	7.10	8	3,408	609	0.013	426.00	5.60	1.000	0.99987
3751	2	1.63	49	2,596	875	0.056	52.98	2.97	1.000	0.99993
3871	2	3.55	2	213	1,380	0.001	106.50	0.15	1.000	0.99999
3872	1	1.45	1	87	1,067	0.001	87.00	0.08	1.000	0.99999
3873	1	2.72	44	7,075	792	0.056	160.80	8.93	1.000	0.99980
3891	1	0.68	1	41	448	0.002	41.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3892	1	2.02	1	121	499	0.002	121.00	0.24	1.000	0.99999
3893	3	4.22	4	288	1,107	0.004	72.00	0.26	1.000	0.99999
3894	2	3.30	2	198	116	0.017	99.00	1.71	2.000	0.99996
3901	3	3.35	24	1,829	880	0.027	76.21	2.08	1.043	0.99995
3903	1	1.32	5	397	298	0.017	79.40	1.33	1.000	0.99997
3912	2	2.53	2	152	1,133	0.002	76.00	0.13	1.000	0.99999
3913	1	0.90	24	1,308	809	0.030	54.50	1.62	1.000	0.99996
3914	1	1.60	11	1,066	369	0.030	96.91	2.89	1.000	0.99994
3951	4	2.59	140	6,234	923	0.152	44.53	6.75	1.014	0.99985
3952	3	10.45	19	3,990	1,261	0.015	210.00	3.16	1.056	0.99993
3953	1	3.97	30	7,162	519	0.058	238.73	13.80	1.000	0.99969
3971	1	3.00	1	180	665	0.002	180.00	0.27	1.000	0.99999
3981	2	1.83	3	155	1,498	0.002	51.67	0.10	1.000	0.99999
3982	4	2.98	242	6,773	1,763	0.137	27.99	3.84	1.013	0.99991
3991	4	7.06	52	5,349	723	0.072	102.87	7.40	1.020	0.99983
4031	1	6.23	65	24,366	696	0.093	374.86	35.01	1.000	0.99922
405	1	0.55	1	33	52	0.019	33.00	0.63	1.000	0.99999
4091	1	2.00	1	120	1,143	0.001	120.00	0.10	1.000	0.99999
4092	1	1.35	3	245	430	0.007	81.67	0.57	1.000	0.99999
4102	1	0.83	41	2,071	903	0.045	50.51	2.29	1.000	0.99995
4134	1	0.92	825	45,375	833	0.990	55.00	54.47	1.000	0.99878
4138	2	2.12	2	127	740	0.003	63.50	0.17	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4141	2	3.43	2	206	82	0.024	103.00	2.51	1.000	0.99994
4151	1	1.23	2	149	1,241	0.002	74.50	0.12	1.000	0.99999
4153	1	1.08	34	2,215	1,309	0.026	65.15	1.69	1.000	0.99996
4172	7	6.08	120	7,077	1,711	0.070	58.98	4.14	1.017	0.99991
4173	2	1.93	102	7,076	628	0.162	69.37	11.27	1.000	0.99975
4182	2	7.34	13	1,586	1,017	0.013	122.00	1.56	1.083	0.99997
4211	3	4.65	699	130,060	697	1.003	186.07	186.60	1.003	0.99582
4222	1	3.23	1	194	1,042	0.001	194.00	0.19	1.000	0.99999
4223	1	0.35	1	21	798	0.001	21.00	0.03	1.000	0.99999
4313	1	1.03	88	5,479	318	0.277	62.26	17.23	1.000	0.99961
4341	2	1.33	1,778	65,703	1,779	0.999	36.95	36.93	1.001	0.99917
4343	1	1.48	1	89	1,022	0.001	89.00	0.09	1.000	0.99999
4361	1	1.43	37	3,197	794	0.047	86.41	4.03	1.000	0.99991
4362	2	3.67	34	6,059	826	0.041	178.21	7.34	1.030	0.99984
4363	3	4.56	3	274	1,650	0.002	91.33	0.17	1.000	0.99999
4371	2	1.02	2	61	1,538	0.001	30.50	0.04	1.000	0.99999
4373	2	4.88	13	1,846	773	0.017	142.00	2.39	1.000	0.99995
4381	16	25.52	16	1,533	335	0.048	95.81	4.58	1.000	0.99990
4385	5	8.71	157	20,659	1,109	0.142	131.59	18.63	1.019	0.99958
4431	2	5.27	2	316	1,382	0.001	158.00	0.23	1.000	0.99999
4432	2	4.95	460	103,179	459	1.002	224.30	224.79	1.002	0.99496
4692	3	3.92	43	2,886	466	0.092	67.12	6.19	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	4	2.01	110	2,421	1,157	0.095	22.01	2.09	1.009	0.99995
5602	1	0.87	1	52	680	0.001	52.00	0.08	1.000	0.99999
5603	5	3.51	26	1,202	1,287	0.020	46.23	0.93	1.000	0.99998
5901	1	1.23	1	74	651	0.002	74.00	0.11	1.000	0.99999
5902	6	44.77	1,399	160,068	1,006	1.391	114.42	159.11	1.391	0.99644
5903	2	1.89	2	113	236	0.008	56.50	0.48	1.000	0.99999
5904	5	4.25	164	8,761	1,199	0.137	53.42	7.31	1.000	0.99984
6021	3	2.47	75	2,985	1,262	0.059	39.80	2.37	1.000	0.99995
6141	4	6.91	531	67,748	632	0.840	127.59	107.20	1.008	0.99760
6143	1	0.88	11	591	371	0.030	53.73	1.59	1.000	0.99996
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	252	428.00	16,340	1,272,755	164,188	0.100	77.89	7.75	1.218	0.99983

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2015 to 2/28/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	2	1.39	16	399	1,068	0.015	24.94	0.37	1.000	0.99999
1082	2	3.47	85	10,202	1,311	0.065	120.02	7.78	1.049	0.99981
1092	2	5.43	3	452	955	0.003	150.67	0.47	1.000	0.99999
1094	1	2.37	1	142	1,228	0.001	142.00	0.12	1.000	0.99999
1211	1	2.30	7	969	1,475	0.005	138.43	0.66	1.000	0.99998
1212	1	1.38	11	919	327	0.034	83.55	2.81	1.000	0.99993
1213	2	1.40	2	84	543	0.004	42.00	0.15	1.000	0.99999
1265	1	0.63	18	684	1,278	0.014	38.00	0.54	1.000	0.99999
1453	1	0.63	36	1,383	1,786	0.020	38.42	0.77	1.000	0.99998
1454	1	0.17	1	10	938	0.001	10.00	0.01	1.000	0.99999
1521	2	2.20	2	132	356	0.006	66.00	0.37	1.000	0.99999
2092	1	2.27	1	136	908	0.001	136.00	0.15	1.000	0.99999
2171	1	1.32	1	79	560	0.002	79.00	0.14	1.000	0.99999
2212	2	7.18	38	11,438	1,282	0.030	301.00	8.92	1.000	0.99978
2621	1	2.62	1	157	1,156	0.001	157.00	0.14	1.000	0.99999
2711	1	0.45	253	7,012	253	1.000	27.72	27.72	1.000	0.99931
2961	1	1.08	18	1,183	645	0.028	65.72	1.83	1.000	0.99995

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3121	1	0.53	47	1,515	1,120	0.042	32.23	1.35	1.000	0.99997
3122	2	2.40	10	934	844	0.012	93.40	1.11	1.000	0.99997
3221	2	4.95	6	849	1,233	0.005	141.50	0.69	1.200	0.99998
3232	1	1.10	1	66	426	0.002	66.00	0.15	1.000	0.99999
3303	1	0.87	82	4,287	978	0.084	52.28	4.38	1.000	0.99989
3314	1	0.83	19	967	219	0.087	50.89	4.42	1.000	0.99989
3315	2	1.55	18	919	1,568	0.011	51.06	0.59	1.000	0.99999
3471	2	1.27	7	291	169	0.041	41.57	1.72	1.000	0.99996
3552	1	1.25	18	1,358	566	0.032	75.44	2.40	1.000	0.99994
3592	1	1.43	1,724	149,068	1,724	1.000	86.47	86.47	1.000	0.99786
3593	1	1.43	928	80,272	933	0.995	86.50	86.04	1.000	0.99787
3661	1	1.08	1	65	1,020	0.001	65.00	0.06	1.000	0.99999
3663	1	1.77	1	106	780	0.001	106.00	0.14	1.000	0.99999
3664	1	3.00	1	180	517	0.002	180.00	0.35	1.000	0.99999
3691	1	1.10	1,144	76,228	1,144	1.000	66.63	66.63	1.000	0.99835
3692	1	1.12	408	27,397	407	1.002	67.15	67.31	1.000	0.99833
3693	1	1.08	183	11,971	183	1.000	65.42	65.42	1.000	0.99838
3694	1	1.07	1,256	80,635	1,255	1.001	64.20	64.25	1.000	0.99841
3701	1	0.72	1	43	479	0.002	43.00	0.09	1.000	0.99999
3751	1	1.48	132	11,836	871	0.152	89.67	13.59	1.000	0.99966
3871	1	2.07	60	7,433	1,391	0.043	123.88	5.34	1.000	0.99987
3872	1	1.33	13	1,043	1,068	0.012	80.23	0.98	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3891	1	1.08	1	65	438	0.002	65.00	0.15	1.000	0.99999
3893	1	1.67	1	100	1,097	0.001	100.00	0.09	1.000	0.99999
3894	2	1.97	23	1,393	116	0.198	60.57	12.01	1.000	0.99970
3901	1	1.47	1	88	878	0.001	88.00	0.10	1.000	0.99999
3913	1	1.22	1	73	806	0.001	73.00	0.09	1.000	0.99999
3951	1	0.87	1	52	910	0.001	52.00	0.06	1.000	0.99999
3952	1	0.53	1	32	1,253	0.001	32.00	0.03	1.000	0.99999
3982	2	1.23	35	1,470	1,758	0.020	42.00	0.84	1.000	0.99998
3991	2	1.32	31	1,241	722	0.043	40.03	1.72	1.000	0.99996
4031	2	2.28	2	137	696	0.003	68.50	0.20	1.000	0.99999
4101	1	3.28	68	13,434	579	0.117	197.56	23.20	1.000	0.99942
4102	4	8.89	4	533	905	0.004	133.25	0.59	1.000	0.99999
4132	3	3.49	7	494	565	0.012	70.57	0.87	1.000	0.99998
4172	2	6.60	26	3,339	1,698	0.015	128.42	1.97	1.040	0.99995
4212	1	1.60	1	96	809	0.001	96.00	0.12	1.000	0.99999
4222	1	1.88	1	113	1,024	0.001	113.00	0.11	1.000	0.99999
4224	3	1.36	48	1,592	756	0.063	33.17	2.11	1.021	0.99995
4302	1	1.30	1	78	648	0.002	78.00	0.12	1.000	0.99999
4341	1	1.50	1	90	1,761	0.001	90.00	0.05	1.000	0.99999
4342	2	3.08	35	3,250	1,734	0.020	92.86	1.87	1.029	0.99995
4343	1	0.55	15	504	1,022	0.015	33.60	0.49	1.000	0.99999
4361	1	0.57	48	1,646	1,652	0.029	34.29	1.00	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4362	1	1.53	1	92	825	0.001	92.00	0.11	1.000	0.99999
4371	1	1.42	1	85	1,534	0.001	85.00	0.06	1.000	0.99999
4372	1	1.75	1	105	431	0.002	105.00	0.24	1.000	0.99999
4381	1	4.92	1	295	323	0.003	295.00	0.91	1.000	0.99998
4385	1	0.08	8	40	1,113	0.007	5.00	0.04	1.000	0.99999
4431	1	1.90	285	32,627	1,350	0.211	114.48	24.17	1.000	0.99940
4476	2	2.45	2	147	28	0.071	73.50	5.25	2.000	0.99987
4511	2	2.20	1,165	97,229	1,125	1.036	83.46	86.43	1.036	0.99786
4512	2	2.85	1,014	85,875	948	1.070	84.69	90.59	1.070	0.99775
4513	1	1.42	650	55,596	650	1.000	85.53	85.53	1.000	0.99788
4692	1	0.45	1	27	482	0.002	27.00	0.06	1.000	0.99999
4714	2	1.40	2	84	490	0.004	42.00	0.17	1.000	0.99999
5601	1	1.28	1	77	1,154	0.001	77.00	0.07	1.000	0.99999
5603	2	2.25	6	475	1,286	0.005	79.17	0.37	1.200	0.99999
5641	1	0.42	1	25	321	0.003	25.00	0.08	1.000	0.99999
5901	1	0.62	1	37	746	0.001	37.00	0.05	1.000	0.99999
5902	1	0.82	11	540	1,006	0.011	49.09	0.54	1.000	0.99999
5905	1	1.40	1	84	1,848	0.001	84.00	0.05	1.000	0.99999
6021	1	0.47	56	1,623	1,223	0.046	28.98	1.33	1.000	0.99997
6022	1	0.67	51	2,068	489	0.104	40.55	4.23	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	109	147.76	10,165	799,795	162,390	0.063	78.68	4.93	1.012	0.99988

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2015 to 2/28/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	2	1.39	16	399	1,068	0.015	24.94	0.37	1.000	0.99999
1082	2	3.47	85	10,202	1,311	0.065	120.02	7.78	1.049	0.99981
1092	2	5.43	3	452	955	0.003	150.67	0.47	1.000	0.99999
1094	1	2.37	1	142	1,228	0.001	142.00	0.12	1.000	0.99999
1211	1	2.30	7	969	1,475	0.005	138.43	0.66	1.000	0.99998
1212	1	1.38	11	919	327	0.034	83.55	2.81	1.000	0.99993
1213	2	1.40	2	84	543	0.004	42.00	0.15	1.000	0.99999
1265	1	0.63	18	684	1,278	0.014	38.00	0.54	1.000	0.99999
1453	1	0.63	36	1,383	1,786	0.020	38.42	0.77	1.000	0.99998
1454	1	0.17	1	10	938	0.001	10.00	0.01	1.000	0.99999
1521	2	2.20	2	132	356	0.006	66.00	0.37	1.000	0.99999
2092	1	2.27	1	136	908	0.001	136.00	0.15	1.000	0.99999
2171	1	1.32	1	79	560	0.002	79.00	0.14	1.000	0.99999
2212	2	7.18	38	11,438	1,282	0.030	301.00	8.92	1.000	0.99978
2621	1	2.62	1	157	1,156	0.001	157.00	0.14	1.000	0.99999
2711	1	0.45	253	7,012	253	1.000	27.72	27.72	1.000	0.99931
2961	1	1.08	18	1,183	645	0.028	65.72	1.83	1.000	0.99995

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3121	1	0.53	47	1,515	1,120	0.042	32.23	1.35	1.000	0.99997
3122	2	2.40	10	934	844	0.012	93.40	1.11	1.000	0.99997
3221	2	4.95	6	849	1,233	0.005	141.50	0.69	1.200	0.99998
3232	1	1.10	1	66	426	0.002	66.00	0.15	1.000	0.99999
3303	1	0.87	82	4,287	978	0.084	52.28	4.38	1.000	0.99989
3314	1	0.83	19	967	219	0.087	50.89	4.42	1.000	0.99989
3315	2	1.55	18	919	1,568	0.011	51.06	0.59	1.000	0.99999
3471	2	1.27	7	291	169	0.041	41.57	1.72	1.000	0.99996
3552	1	1.25	18	1,358	566	0.032	75.44	2.40	1.000	0.99994
3592	1	1.43	1,724	149,068	1,724	1.000	86.47	86.47	1.000	0.99786
3593	1	1.43	928	80,272	933	0.995	86.50	86.04	1.000	0.99787
3661	1	1.08	1	65	1,020	0.001	65.00	0.06	1.000	0.99999
3663	1	1.77	1	106	780	0.001	106.00	0.14	1.000	0.99999
3664	1	3.00	1	180	517	0.002	180.00	0.35	1.000	0.99999
3691	1	1.10	1,144	76,228	1,144	1.000	66.63	66.63	1.000	0.99835
3692	1	1.12	408	27,397	407	1.002	67.15	67.31	1.000	0.99833
3693	1	1.08	183	11,971	183	1.000	65.42	65.42	1.000	0.99838
3694	1	1.07	1,256	80,635	1,255	1.001	64.20	64.25	1.000	0.99841
3701	1	0.72	1	43	479	0.002	43.00	0.09	1.000	0.99999
3751	1	1.48	132	11,836	871	0.152	89.67	13.59	1.000	0.99966
3871	1	2.07	60	7,433	1,391	0.043	123.88	5.34	1.000	0.99987
3872	1	1.33	13	1,043	1,068	0.012	80.23	0.98	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3891	1	1.08	1	65	438	0.002	65.00	0.15	1.000	0.99999
3893	1	1.67	1	100	1,097	0.001	100.00	0.09	1.000	0.99999
3894	2	1.97	23	1,393	116	0.198	60.57	12.01	1.000	0.99970
3901	1	1.47	1	88	878	0.001	88.00	0.10	1.000	0.99999
3913	1	1.22	1	73	806	0.001	73.00	0.09	1.000	0.99999
3951	1	0.87	1	52	910	0.001	52.00	0.06	1.000	0.99999
3952	1	0.53	1	32	1,253	0.001	32.00	0.03	1.000	0.99999
3982	2	1.23	35	1,470	1,758	0.020	42.00	0.84	1.000	0.99998
3991	2	1.32	31	1,241	722	0.043	40.03	1.72	1.000	0.99996
4031	2	2.28	2	137	696	0.003	68.50	0.20	1.000	0.99999
4101	1	3.28	68	13,434	579	0.117	197.56	23.20	1.000	0.99942
4102	4	8.89	4	533	905	0.004	133.25	0.59	1.000	0.99999
4132	3	3.49	7	494	565	0.012	70.57	0.87	1.000	0.99998
4172	2	6.60	26	3,339	1,698	0.015	128.42	1.97	1.040	0.99995
4212	1	1.60	1	96	809	0.001	96.00	0.12	1.000	0.99999
4222	1	1.88	1	113	1,024	0.001	113.00	0.11	1.000	0.99999
4224	3	1.36	48	1,592	756	0.063	33.17	2.11	1.021	0.99995
4302	1	1.30	1	78	648	0.002	78.00	0.12	1.000	0.99999
4341	1	1.50	1	90	1,761	0.001	90.00	0.05	1.000	0.99999
4342	2	3.08	35	3,250	1,734	0.020	92.86	1.87	1.029	0.99995
4343	1	0.55	15	504	1,022	0.015	33.60	0.49	1.000	0.99999
4361	1	0.57	48	1,646	1,652	0.029	34.29	1.00	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4362	1	1.53	1	92	825	0.001	92.00	0.11	1.000	0.99999
4371	1	1.42	1	85	1,534	0.001	85.00	0.06	1.000	0.99999
4372	1	1.75	1	105	431	0.002	105.00	0.24	1.000	0.99999
4381	1	4.92	1	295	323	0.003	295.00	0.91	1.000	0.99998
4385	1	0.08	8	40	1,113	0.007	5.00	0.04	1.000	0.99999
4431	1	1.90	285	32,627	1,350	0.211	114.48	24.17	1.000	0.99940
4476	2	2.45	2	147	28	0.071	73.50	5.25	2.000	0.99987
4511	2	2.20	1,165	97,229	1,125	1.036	83.46	86.43	1.036	0.99786
4512	2	2.85	1,014	85,875	948	1.070	84.69	90.59	1.070	0.99775
4513	1	1.42	650	55,596	650	1.000	85.53	85.53	1.000	0.99788
4692	1	0.45	1	27	482	0.002	27.00	0.06	1.000	0.99999
4714	2	1.40	2	84	490	0.004	42.00	0.17	1.000	0.99999
5601	1	1.28	1	77	1,154	0.001	77.00	0.07	1.000	0.99999
5603	2	2.25	6	475	1,286	0.005	79.17	0.37	1.200	0.99999
5641	1	0.42	1	25	321	0.003	25.00	0.08	1.000	0.99999
5901	1	0.62	1	37	746	0.001	37.00	0.05	1.000	0.99999
5902	1	0.82	11	540	1,006	0.011	49.09	0.54	1.000	0.99999
5905	1	1.40	1	84	1,848	0.001	84.00	0.05	1.000	0.99999
6021	1	0.47	56	1,623	1,223	0.046	28.98	1.33	1.000	0.99997
6022	1	0.67	51	2,068	489	0.104	40.55	4.23	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	109	147.76	10,165	799,795	162,390	0.063	78.68	4.93	1.012	0.99988

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2015 to 3/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	1.37	197	5,592	1,567	0.126	28.39	3.57	1.005	0.99992
1082	2	2.63	51	6,174	1,316	0.039	121.06	4.69	1.000	0.99989
1084	1	1.25	1	75	5	0.200	75.00	15.00	1.000	0.99966
1091	3	4.02	758	19,838	710	1.068	26.17	27.94	1.068	0.99937
1092	3	4.70	3	282	959	0.003	94.00	0.29	1.500	0.99999
1093	1	0.75	70	3,194	239	0.293	45.63	13.36	1.000	0.99970
1101	1	0.98	1	59	973	0.001	59.00	0.06	1.000	0.99999
1141	1	2.45	1	147	900	0.001	147.00	0.16	1.000	0.99999
1142	1	7.07	2	849	215	0.009	424.50	3.95	1.000	0.99991
1212	2	2.57	2	154	327	0.006	77.00	0.47	1.000	0.99999
1213	3	4.75	3	285	543	0.006	95.00	0.52	1.000	0.99999
1230	3	4.90	3	294	1,180	0.003	98.00	0.25	1.000	0.99999
1233	1	2.75	1	165	639	0.002	165.00	0.26	1.000	0.99999
1241	1	1.45	1	87	843	0.001	87.00	0.10	1.000	0.99999
1243	5	3.93	12	603	1,189	0.010	50.25	0.51	1.000	0.99999
1265	1	0.57	57	1,941	1,277	0.045	34.05	1.52	1.000	0.99997
1281	1	0.37	1	22	162	0.006	22.00	0.14	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	2	1.02	34	1,212	937	0.036	35.65	1.29	1.000	0.99997
1283	1	1.10	1	66	365	0.003	66.00	0.18	1.000	0.99999
1452	2	2.78	56	7,511	447	0.125	134.13	16.80	1.018	0.99962
1453	1	1.18	1	71	1,786	0.001	71.00	0.04	1.000	0.99999
1454	1	0.83	62	3,158	938	0.066	50.94	3.37	1.000	0.99992
1521	5	5.31	8	578	356	0.022	72.25	1.62	1.000	0.99996
1523	1	6.25	1	375	714	0.001	375.00	0.53	1.000	0.99999
1843	2	2.30	20	1,391	1,082	0.018	69.55	1.29	2.000	0.99997
2091	1	0.58	12	423	872	0.014	35.25	0.49	1.000	0.99999
2092	1	1.02	1	61	908	0.001	61.00	0.07	1.000	0.99999
2171	1	2.62	1	157	561	0.002	157.00	0.28	1.000	0.99999
2211	1	0.72	38	1,640	722	0.053	43.16	2.27	1.000	0.99995
2212	2	2.85	2	171	1,287	0.002	85.50	0.13	1.000	0.99999
2621	4	5.27	1,404	118,213	1,156	1.215	84.20	102.26	1.215	0.99771
2921	1	1.62	66	6,449	368	0.179	97.71	17.52	1.000	0.99961
2951	4	7.45	4	447	1,380	0.003	111.75	0.32	1.000	0.99999
2961	3	1.88	674	36,260	645	1.045	53.80	56.22	1.050	0.99874
3121	4	3.79	180	14,132	1,120	0.161	78.51	12.62	1.017	0.99972
3122	1	0.62	39	1,478	843	0.046	37.90	1.75	1.000	0.99996
3123	1	0.48	17	494	1,033	0.016	29.06	0.48	1.000	0.99999
3221	1	2.70	57	9,246	1,233	0.046	162.21	7.50	1.000	0.99983
3222	1	0.73	1	44	766	0.001	44.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3231	2	1.46	14	681	413	0.034	48.64	1.65	1.167	0.99996
3232	1	0.62	13	487	426	0.031	37.46	1.14	1.000	0.99997
3313	1	0.95	1	57	1,252	0.001	57.00	0.05	1.000	0.99999
3315	2	2.85	19	2,121	1,568	0.012	111.63	1.35	1.056	0.99997
3422	2	3.77	8	1,003	968	0.008	125.38	1.04	1.000	0.99998
3423	1	1.63	1	98	386	0.003	98.00	0.25	1.000	0.99999
3472	4	2.86	6	293	1,567	0.004	48.83	0.19	1.000	0.99999
3552	1	0.67	1	40	562	0.002	40.00	0.07	1.000	0.99999
3553	1	0.75	12	550	1,026	0.012	45.83	0.54	1.000	0.99999
3594	1	1.40	6	506	656	0.009	84.33	0.77	1.000	0.99998
3621	1	0.68	18	746	1,554	0.012	41.44	0.48	1.000	0.99999
3663	2	2.53	5	317	783	0.006	63.40	0.40	1.000	0.99999
3664	2	2.02	58	3,515	518	0.112	60.60	6.79	1.000	0.99985
3691	1	2.22	1	133	1,144	0.001	133.00	0.12	1.000	0.99999
3702	1	2.08	1	125	605	0.002	125.00	0.21	1.000	0.99999
3872	2	2.33	47	3,142	1,068	0.044	66.85	2.94	1.000	0.99993
3878	1	1.15	1	69	781	0.001	69.00	0.09	1.000	0.99999
3891	2	1.82	64	3,512	437	0.146	54.88	8.04	1.032	0.99982
3893	4	3.20	30	1,104	1,098	0.027	36.80	1.01	1.000	0.99998
3894	1	1.87	1	112	115	0.009	112.00	0.97	1.000	0.99998
3914	1	0.35	1	21	369	0.003	21.00	0.06	1.000	0.99999
3952	1	0.68	21	879	1,256	0.017	41.86	0.70	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3953	4	3.59	67	3,736	519	0.129	55.76	7.20	1.063	0.99984
3971	1	0.80	15	723	662	0.023	48.20	1.09	1.000	0.99998
3981	4	9.69	37	2,568	1,496	0.025	69.41	1.72	1.028	0.99996
3982	2	1.57	45	2,190	1,761	0.026	48.67	1.24	1.000	0.99997
3991	1	1.73	1	104	722	0.001	104.00	0.14	1.000	0.99999
4031	2	2.67	107	11,568	693	0.154	108.11	16.69	1.009	0.99963
4091	1	1.22	33	2,434	1,142	0.029	73.76	2.13	1.000	0.99995
4092	1	2.47	1	148	428	0.002	148.00	0.35	1.000	0.99999
4102	2	1.19	14	596	905	0.015	42.57	0.66	1.000	0.99999
4138	2	2.20	17	1,353	742	0.023	79.59	1.82	1.063	0.99996
4141	1	0.85	1	51	82	0.012	51.00	0.62	1.000	0.99999
4142	1	2.90	14	2,446	586	0.024	174.71	4.17	1.000	0.99991
4151	1	0.72	40	1,751	1,239	0.032	43.78	1.41	1.000	0.99997
4152	1	1.73	1	104	790	0.001	104.00	0.13	1.000	0.99999
4155	3	5.19	7	936	2,072	0.003	133.71	0.45	1.167	0.99999
4172	2	3.62	36	2,630	1,701	0.021	73.06	1.55	1.029	0.99997
4181	1	2.93	7	1,236	483	0.014	176.57	2.56	1.000	0.99994
4182	7	5.20	1,039	56,762	1,014	1.025	54.63	55.98	1.033	0.99875
4211	2	3.34	2	200	972	0.002	100.00	0.21	2.000	0.99999
4212	1	6.07	9	3,278	812	0.011	364.22	4.04	1.000	0.99991
4224	1	0.55	1	33	752	0.001	33.00	0.04	1.000	0.99999
4302	2	3.57	2	214	648	0.003	107.00	0.33	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4303	2	3.99	43	3,111	930	0.046	72.35	3.35	1.000	0.99993
4341	1	1.77	65	6,951	1,761	0.037	106.94	3.95	1.000	0.99991
4342	2	2.13	2	128	1,734	0.001	64.00	0.07	1.000	0.99999
4361	9	6.38	111	6,930	1,655	0.067	62.43	4.19	1.914	0.99991
4362	1	3.65	1	219	825	0.001	219.00	0.27	1.000	0.99999
4363	1	0.27	1	16	1,362	0.001	16.00	0.01	1.000	0.99999
4371	3	3.15	11	826	1,535	0.007	75.09	0.54	1.000	0.99999
4372	1	2.22	1	133	432	0.002	133.00	0.31	1.000	0.99999
4373	3	3.82	1,511	55,548	754	2.004	36.76	73.67	2.001	0.99835
4431	1	2.20	1	132	1,349	0.001	132.00	0.10	1.000	0.99999
4432	1	0.98	62	3,668	457	0.136	59.16	8.03	1.000	0.99982
4511	1	0.75	56	2,555	1,125	0.050	45.63	2.27	1.000	0.99995
4601	3	3.05	161	6,366	408	0.395	39.54	15.60	1.013	0.99965
4602	1	0.73	1	44	941	0.001	44.00	0.05	1.000	0.99999
4692	2	5.32	15	1,003	481	0.031	66.87	2.09	1.071	0.99995
4714	1	1.20	5	362	324	0.015	72.40	1.12	1.000	0.99997
5601	1	1.32	1	79	1,155	0.001	79.00	0.07	1.000	0.99999
5602	1	1.02	1	61	679	0.001	61.00	0.09	1.000	0.99999
5902	4	2.16	64	1,708	1,005	0.064	26.69	1.70	1.000	0.99996
5904	1	0.75	1	45	1,147	0.001	45.00	0.04	1.000	0.99999
6021	2	1.54	20	1,418	1,224	0.016	70.90	1.16	1.053	0.99997
6022	1	1.93	1	116	490	0.002	116.00	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	1	9.15	1	549	632	0.002	549.00	0.87	1.000	0.99998
6142	1	1.18	1	71	305	0.003	71.00	0.23	1.000	0.99999
6143	1	1.10	371	24,486	371	1.000	66.00	66.00	1.000	0.99852
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	198	263.06	8,176	474,435	162,660	0.050	58.03	2.92	1.173	0.99993

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2015 to 3/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	1.37	197	5,592	1,567	0.126	28.39	3.57	1.005	0.99992
1082	2	2.63	51	6,174	1,316	0.039	121.06	4.69	1.000	0.99989
1084	1	1.25	1	75	5	0.200	75.00	15.00	1.000	0.99966
1091	3	4.02	758	19,838	710	1.068	26.17	27.94	1.068	0.99937
1092	3	4.70	3	282	959	0.003	94.00	0.29	1.500	0.99999
1093	1	0.75	70	3,194	239	0.293	45.63	13.36	1.000	0.99970
1101	1	0.98	1	59	973	0.001	59.00	0.06	1.000	0.99999
1141	1	2.45	1	147	900	0.001	147.00	0.16	1.000	0.99999
1142	1	7.07	2	849	215	0.009	424.50	3.95	1.000	0.99991
1212	2	2.57	2	154	327	0.006	77.00	0.47	1.000	0.99999
1213	3	4.75	3	285	543	0.006	95.00	0.52	1.000	0.99999
1230	3	4.90	3	294	1,180	0.003	98.00	0.25	1.000	0.99999
1233	1	2.75	1	165	639	0.002	165.00	0.26	1.000	0.99999
1241	1	1.45	1	87	843	0.001	87.00	0.10	1.000	0.99999
1243	5	3.93	12	603	1,189	0.010	50.25	0.51	1.000	0.99999
1265	1	0.57	57	1,941	1,277	0.045	34.05	1.52	1.000	0.99997
1281	1	0.37	1	22	162	0.006	22.00	0.14	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	2	1.02	34	1,212	937	0.036	35.65	1.29	1.000	0.99997
1283	1	1.10	1	66	365	0.003	66.00	0.18	1.000	0.99999
1452	2	2.78	56	7,511	447	0.125	134.13	16.80	1.018	0.99962
1453	1	1.18	1	71	1,786	0.001	71.00	0.04	1.000	0.99999
1454	1	0.83	62	3,158	938	0.066	50.94	3.37	1.000	0.99992
1521	5	5.31	8	578	356	0.022	72.25	1.62	1.000	0.99996
1523	1	6.25	1	375	714	0.001	375.00	0.53	1.000	0.99999
1843	2	2.30	20	1,391	1,082	0.018	69.55	1.29	2.000	0.99997
2091	1	0.58	12	423	872	0.014	35.25	0.49	1.000	0.99999
2092	1	1.02	1	61	908	0.001	61.00	0.07	1.000	0.99999
2171	1	2.62	1	157	561	0.002	157.00	0.28	1.000	0.99999
2211	1	0.72	38	1,640	722	0.053	43.16	2.27	1.000	0.99995
2212	2	2.85	2	171	1,287	0.002	85.50	0.13	1.000	0.99999
2621	4	5.27	1,404	118,213	1,156	1.215	84.20	102.26	1.215	0.99771
2921	1	1.62	66	6,449	368	0.179	97.71	17.52	1.000	0.99961
2951	4	7.45	4	447	1,380	0.003	111.75	0.32	1.000	0.99999
2961	3	1.88	674	36,260	645	1.045	53.80	56.22	1.050	0.99874
3121	4	3.79	180	14,132	1,120	0.161	78.51	12.62	1.017	0.99972
3122	1	0.62	39	1,478	843	0.046	37.90	1.75	1.000	0.99996
3123	1	0.48	17	494	1,033	0.016	29.06	0.48	1.000	0.99999
3221	1	2.70	57	9,246	1,233	0.046	162.21	7.50	1.000	0.99983
3222	1	0.73	1	44	766	0.001	44.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3231	2	1.46	14	681	413	0.034	48.64	1.65	1.167	0.99996
3232	1	0.62	13	487	426	0.031	37.46	1.14	1.000	0.99997
3313	1	0.95	1	57	1,252	0.001	57.00	0.05	1.000	0.99999
3315	2	2.85	19	2,121	1,568	0.012	111.63	1.35	1.056	0.99997
3422	2	3.77	8	1,003	968	0.008	125.38	1.04	1.000	0.99998
3423	1	1.63	1	98	386	0.003	98.00	0.25	1.000	0.99999
3472	4	2.86	6	293	1,567	0.004	48.83	0.19	1.000	0.99999
3552	1	0.67	1	40	562	0.002	40.00	0.07	1.000	0.99999
3553	1	0.75	12	550	1,026	0.012	45.83	0.54	1.000	0.99999
3594	1	1.40	6	506	656	0.009	84.33	0.77	1.000	0.99998
3621	1	0.68	18	746	1,554	0.012	41.44	0.48	1.000	0.99999
3663	2	2.53	5	317	783	0.006	63.40	0.40	1.000	0.99999
3664	2	2.02	58	3,515	518	0.112	60.60	6.79	1.000	0.99985
3691	1	2.22	1	133	1,144	0.001	133.00	0.12	1.000	0.99999
3702	1	2.08	1	125	605	0.002	125.00	0.21	1.000	0.99999
3872	2	2.33	47	3,142	1,068	0.044	66.85	2.94	1.000	0.99993
3878	1	1.15	1	69	781	0.001	69.00	0.09	1.000	0.99999
3891	2	1.82	64	3,512	437	0.146	54.88	8.04	1.032	0.99982
3893	4	3.20	30	1,104	1,098	0.027	36.80	1.01	1.000	0.99998
3894	1	1.87	1	112	115	0.009	112.00	0.97	1.000	0.99998
3914	1	0.35	1	21	369	0.003	21.00	0.06	1.000	0.99999
3952	1	0.68	21	879	1,256	0.017	41.86	0.70	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3953	4	3.59	67	3,736	519	0.129	55.76	7.20	1.063	0.99984
3971	1	0.80	15	723	662	0.023	48.20	1.09	1.000	0.99998
3981	4	9.69	37	2,568	1,496	0.025	69.41	1.72	1.028	0.99996
3982	2	1.57	45	2,190	1,761	0.026	48.67	1.24	1.000	0.99997
3991	1	1.73	1	104	722	0.001	104.00	0.14	1.000	0.99999
4031	2	2.67	107	11,568	693	0.154	108.11	16.69	1.009	0.99963
4091	1	1.22	33	2,434	1,142	0.029	73.76	2.13	1.000	0.99995
4092	1	2.47	1	148	428	0.002	148.00	0.35	1.000	0.99999
4102	2	1.19	14	596	905	0.015	42.57	0.66	1.000	0.99999
4138	2	2.20	17	1,353	742	0.023	79.59	1.82	1.063	0.99996
4141	1	0.85	1	51	82	0.012	51.00	0.62	1.000	0.99999
4142	1	2.90	14	2,446	586	0.024	174.71	4.17	1.000	0.99991
4151	1	0.72	40	1,751	1,239	0.032	43.78	1.41	1.000	0.99997
4152	1	1.73	1	104	790	0.001	104.00	0.13	1.000	0.99999
4155	3	5.19	7	936	2,072	0.003	133.71	0.45	1.167	0.99999
4172	2	3.62	36	2,630	1,701	0.021	73.06	1.55	1.029	0.99997
4181	1	2.93	7	1,236	483	0.014	176.57	2.56	1.000	0.99994
4182	7	5.20	1,039	56,762	1,014	1.025	54.63	55.98	1.033	0.99875
4211	2	3.34	2	200	972	0.002	100.00	0.21	2.000	0.99999
4212	1	6.07	9	3,278	812	0.011	364.22	4.04	1.000	0.99991
4224	1	0.55	1	33	752	0.001	33.00	0.04	1.000	0.99999
4302	2	3.57	2	214	648	0.003	107.00	0.33	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4303	2	3.99	43	3,111	930	0.046	72.35	3.35	1.000	0.99993
4341	1	1.77	65	6,951	1,761	0.037	106.94	3.95	1.000	0.99991
4342	2	2.13	2	128	1,734	0.001	64.00	0.07	1.000	0.99999
4361	9	6.38	111	6,930	1,655	0.067	62.43	4.19	1.914	0.99991
4362	1	3.65	1	219	825	0.001	219.00	0.27	1.000	0.99999
4363	1	0.27	1	16	1,362	0.001	16.00	0.01	1.000	0.99999
4371	3	3.15	11	826	1,535	0.007	75.09	0.54	1.000	0.99999
4372	1	2.22	1	133	432	0.002	133.00	0.31	1.000	0.99999
4373	3	3.82	1,511	55,548	754	2.004	36.76	73.67	2.001	0.99835
4431	1	2.20	1	132	1,349	0.001	132.00	0.10	1.000	0.99999
4432	1	0.98	62	3,668	457	0.136	59.16	8.03	1.000	0.99982
4511	1	0.75	56	2,555	1,125	0.050	45.63	2.27	1.000	0.99995
4601	3	3.05	161	6,366	408	0.395	39.54	15.60	1.013	0.99965
4602	1	0.73	1	44	941	0.001	44.00	0.05	1.000	0.99999
4692	2	5.32	15	1,003	481	0.031	66.87	2.09	1.071	0.99995
4714	1	1.20	5	362	324	0.015	72.40	1.12	1.000	0.99997
5601	1	1.32	1	79	1,155	0.001	79.00	0.07	1.000	0.99999
5602	1	1.02	1	61	679	0.001	61.00	0.09	1.000	0.99999
5902	4	2.16	64	1,708	1,005	0.064	26.69	1.70	1.000	0.99996
5904	1	0.75	1	45	1,147	0.001	45.00	0.04	1.000	0.99999
6021	2	1.54	20	1,418	1,224	0.016	70.90	1.16	1.053	0.99997
6022	1	1.93	1	116	490	0.002	116.00	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	1	9.15	1	549	632	0.002	549.00	0.87	1.000	0.99998
6142	1	1.18	1	71	305	0.003	71.00	0.23	1.000	0.99999
6143	1	1.10	371	24,486	371	1.000	66.00	66.00	1.000	0.99852
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	198	263.06	8,176	474,435	162,660	0.050	58.03	2.92	1.173	0.99993

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2015 to 4/30/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.15	2	69	1,567	0.001	34.50	0.04	1.000	0.99999
1051	3	3.49	21	1,317	1,070	0.020	62.71	1.23	1.000	0.99997
1082	3	5.96	21	2,396	1,316	0.016	114.10	1.82	1.000	0.99996
1091	2	1.72	1,420	73,875	710	2.000	52.02	104.05	2.000	0.99759
1092	6	6.57	38	2,568	959	0.040	67.58	2.68	1.000	0.99994
1094	2	3.57	102	14,327	1,228	0.083	140.46	11.67	1.010	0.99973
1211	2	2.04	6	342	1,475	0.004	57.00	0.23	1.000	0.99999
1212	2	4.54	2	272	326	0.006	136.00	0.83	1.000	0.99998
1213	3	3.77	4	325	543	0.007	81.25	0.60	1.000	0.99999
1230	3	2.55	47	3,750	1,180	0.040	79.79	3.18	1.000	0.99993
1232	6	7.65	114	3,226	1,176	0.097	28.30	2.74	1.036	0.99994
1241	1	0.57	15	510	843	0.018	34.00	0.60	1.000	0.99999
1242	1	2.40	10	1,441	675	0.015	144.10	2.13	1.000	0.99995
1243	1	1.25	1	75	1,189	0.001	75.00	0.06	1.000	0.99999
1265	1	1.60	1	96	1,277	0.001	96.00	0.08	1.000	0.99999
1271	3	4.14	15	966	945	0.016	64.40	1.02	1.154	0.99998
1282	3	3.54	223	18,563	937	0.238	83.24	19.81	1.000	0.99954

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1286	1	0.57	1	34	44	0.023	34.00	0.77	1.000	0.99998
1453	1	1.78	1	107	1,786	0.001	107.00	0.06	1.000	0.99999
1521	1	1.93	1	116	356	0.003	116.00	0.33	1.000	0.99999
1523	1	1.47	1	88	714	0.001	88.00	0.12	1.000	0.99999
1841	1	1.00	1	60	629	0.002	60.00	0.10	1.000	0.99999
1843	6	13.29	47	3,159	1,082	0.043	67.21	2.92	1.068	0.99993
2051	2	3.57	2	214	162	0.012	107.00	1.32	1.000	0.99997
2091	2	3.92	179	13,325	872	0.205	74.44	15.28	1.006	0.99965
2171	2	1.55	631	27,868	561	1.125	44.16	49.68	1.125	0.99885
2212	1	0.40	17	419	1,286	0.013	24.65	0.33	1.000	0.99999
2621	3	8.07	19	2,975	1,156	0.016	156.58	2.57	2.111	0.99994
2951	3	3.66	48	4,657	1,380	0.035	97.02	3.37	1.043	0.99992
2961	4	2.47	16	464	645	0.025	29.00	0.72	1.067	0.99998
3121	4	5.34	118	19,716	1,120	0.105	167.08	17.60	1.026	0.99959
3122	1	0.42	3	75	843	0.004	25.00	0.09	1.000	0.99999
3123	1	0.55	25	840	1,033	0.024	33.60	0.81	1.000	0.99998
3221	1	3.15	1	189	1,233	0.001	189.00	0.15	1.000	0.99999
3222	2	3.29	2	197	766	0.003	98.50	0.26	1.000	0.99999
3231	1	2.42	1	145	413	0.002	145.00	0.35	1.000	0.99999
3302	2	2.36	40	2,853	882	0.045	71.33	3.23	1.000	0.99993
3303	1	1.35	1	81	978	0.001	81.00	0.08	1.000	0.99999
3311	1	0.30	1	18	535	0.002	18.00	0.03	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3315	7	5.83	84	3,817	1,568	0.054	45.44	2.43	1.050	0.99994
3422	3	3.74	23	1,691	968	0.024	73.52	1.75	1.000	0.99996
3471	3	2.88	69	4,382	169	0.408	63.51	25.93	1.000	0.99940
3472	2	2.11	4	233	1,567	0.003	58.25	0.15	1.000	0.99999
3551	1	1.88	5	568	1,035	0.005	113.60	0.55	1.000	0.99999
3553	1	1.85	1	111	1,026	0.001	111.00	0.11	1.000	0.99999
3592	2	2.99	11	1,188	1,724	0.006	108.00	0.69	1.100	0.99998
3593	1	1.07	175	11,342	933	0.188	64.81	12.16	1.000	0.99972
3621	17	21.39	38	3,033	1,554	0.024	79.82	1.95	1.056	0.99995
3661	1	1.65	1	99	1,022	0.001	99.00	0.10	1.000	0.99999
3663	3	7.26	3	435	783	0.004	145.00	0.56	1.000	0.99999
3664	1	2.77	1	166	518	0.002	166.00	0.32	1.000	0.99999
3691	2	4.33	2	260	1,144	0.002	130.00	0.23	1.000	0.99999
3702	1	1.27	1	76	604	0.002	76.00	0.13	1.000	0.99999
3751	2	1.28	871	36,286	870	1.001	41.66	41.71	1.001	0.99903
3871	1	1.42	15	1,283	1,384	0.011	85.53	0.93	1.000	0.99998
3872	1	1.30	1	78	1,068	0.001	78.00	0.07	1.000	0.99999
3878	1	2.58	14	2,170	779	0.018	155.00	2.79	1.000	0.99994
3892	1	1.12	3	201	473	0.006	67.00	0.42	1.000	0.99999
3893	6	7.70	77	6,068	1,098	0.070	78.81	5.53	1.540	0.99987
3903	1	2.72	1	163	293	0.003	163.00	0.56	1.000	0.99999
3913	4	3.79	4	227	807	0.005	56.75	0.28	1.000	0.99999

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3914	1	0.40	1	24	369	0.003	24.00	0.07	1.000	0.99999
3951	3	5.83	943	131,133	911	1.035	139.06	143.94	1.032	0.99667
3952	1	0.78	4	189	1,256	0.003	47.25	0.15	1.000	0.99999
3953	1	1.02	6	367	519	0.012	61.17	0.71	1.000	0.99998
3981	1	0.83	1	50	1,496	0.001	50.00	0.03	1.000	0.99999
3982	6	5.37	392	19,813	1,761	0.223	50.54	11.25	1.107	0.99974
3992	1	1.98	165	19,766	165	1.000	119.79	119.79	1.000	0.99723
403	1	1.87	265	29,816	266	0.996	112.51	112.09	1.000	0.99741
4031	1	1.40	5	420	693	0.007	84.00	0.61	1.000	0.99999
4091	1	4.40	1	264	1,142	0.001	264.00	0.23	1.000	0.99999
4101	5	5.80	145	12,131	579	0.250	83.66	20.95	1.000	0.99952
4102	1	0.72	21	914	904	0.023	43.52	1.01	1.000	0.99998
4133	1	1.83	1	110	630	0.002	110.00	0.17	1.000	0.99999
4138	2	1.92	2	115	742	0.003	57.50	0.15	1.000	0.99999
4141	2	2.40	2	144	82	0.024	72.00	1.76	1.000	0.99996
4152	1	0.82	36	1,772	790	0.046	49.22	2.24	1.000	0.99995
4172	2	1.82	46	2,453	1,701	0.027	53.33	1.44	1.000	0.99997
4181	1	2.28	1	137	483	0.002	137.00	0.28	1.000	0.99999
4211	1	1.07	11	709	832	0.013	64.45	0.85	1.000	0.99998
4212	1	3.52	3	633	812	0.004	211.00	0.78	1.000	0.99998
4222	1	0.85	8	409	1,027	0.008	51.13	0.40	1.000	0.99999
4224	3	11.68	19	5,564	752	0.025	292.84	7.40	1.900	0.99983

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4324	1	1.35	1	81	1,250	0.001	81.00	0.06	1.000	0.99999
4333	1	1.03	1	62	555	0.002	62.00	0.11	1.000	0.99999
4334	1	0.55	300	10,080	300	1.000	33.60	33.60	1.000	0.99922
4341	1	0.77	1	46	1,761	0.001	46.00	0.03	1.000	0.99999
4342	1	1.68	1	101	1,734	0.001	101.00	0.06	1.000	0.99999
4361	1	2.83	32	5,467	1,222	0.026	170.84	4.47	1.000	0.99990
4362	1	0.87	51	2,692	825	0.062	52.78	3.26	1.000	0.99992
4363	4	4.08	15	926	1,502	0.010	61.73	0.62	1.000	0.99999
4371	5	3.08	117	4,389	1,535	0.076	37.51	2.86	1.017	0.99993
4381	1	1.55	21	1,964	323	0.065	93.52	6.08	1.000	0.99986
4431	5	5.77	51	2,524	1,349	0.038	49.49	1.87	1.020	0.99996
4601	1	1.30	6	469	408	0.015	78.17	1.15	1.000	0.99997
4692	1	0.73	6	265	482	0.012	44.17	0.55	1.000	0.99999
4712	1	0.32	25	494	25	1.000	19.76	19.76	1.000	0.99954
4714	1	0.45	324	8,915	324	1.000	27.52	27.52	1.000	0.99936
5601	1	1.03	1	62	1,155	0.001	62.00	0.05	1.000	0.99999
5603	3	2.77	6	246	1,286	0.005	41.00	0.19	1.200	0.99999
5905	1	0.28	1	17	1,849	0.001	17.00	0.01	1.000	0.99999
6021	3	2.66	35	1,709	1,224	0.029	48.83	1.40	1.061	0.99997
6141	2	1.10	31	1,394	632	0.049	44.97	2.21	1.033	0.99995
6142	1	0.52	1	31	305	0.003	31.00	0.10	1.000	0.99999
6143	1	0.32	1	19	371	0.003	19.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	224	295.93	7,708	544,481	162,637	0.047	70.64	3.35	1.127	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2015 to 4/30/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.15	2	69	1,567	0.001	34.50	0.04	1.000	0.99999
1051	3	3.49	21	1,317	1,070	0.020	62.71	1.23	1.000	0.99997
1082	3	5.96	21	2,396	1,316	0.016	114.10	1.82	1.000	0.99996
1091	2	1.72	1,420	73,875	710	2.000	52.02	104.05	2.000	0.99759
1092	6	6.57	38	2,568	959	0.040	67.58	2.68	1.000	0.99994
1094	2	3.57	102	14,327	1,228	0.083	140.46	11.67	1.010	0.99973
1211	2	2.04	6	342	1,475	0.004	57.00	0.23	1.000	0.99999
1212	2	4.54	2	272	326	0.006	136.00	0.83	1.000	0.99998
1213	3	3.77	4	325	543	0.007	81.25	0.60	1.000	0.99999
1230	3	2.55	47	3,750	1,180	0.040	79.79	3.18	1.000	0.99993
1232	6	7.65	114	3,226	1,176	0.097	28.30	2.74	1.036	0.99994
1241	1	0.57	15	510	843	0.018	34.00	0.60	1.000	0.99999
1242	1	2.40	10	1,441	675	0.015	144.10	2.13	1.000	0.99995
1243	1	1.25	1	75	1,189	0.001	75.00	0.06	1.000	0.99999
1265	1	1.60	1	96	1,277	0.001	96.00	0.08	1.000	0.99999
1271	3	4.14	15	966	945	0.016	64.40	1.02	1.154	0.99998
1282	3	3.54	223	18,563	937	0.238	83.24	19.81	1.000	0.99954

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1286	1	0.57	1	34	44	0.023	34.00	0.77	1.000	0.99998
1453	1	1.78	1	107	1,786	0.001	107.00	0.06	1.000	0.99999
1521	1	1.93	1	116	356	0.003	116.00	0.33	1.000	0.99999
1523	1	1.47	1	88	714	0.001	88.00	0.12	1.000	0.99999
1841	1	1.00	1	60	629	0.002	60.00	0.10	1.000	0.99999
1843	6	13.29	47	3,159	1,082	0.043	67.21	2.92	1.068	0.99993
2051	2	3.57	2	214	162	0.012	107.00	1.32	1.000	0.99997
2091	2	3.92	179	13,325	872	0.205	74.44	15.28	1.006	0.99965
2171	2	1.55	631	27,868	561	1.125	44.16	49.68	1.125	0.99885
2212	1	0.40	17	419	1,286	0.013	24.65	0.33	1.000	0.99999
2621	3	8.07	19	2,975	1,156	0.016	156.58	2.57	2.111	0.99994
2951	3	3.66	48	4,657	1,380	0.035	97.02	3.37	1.043	0.99992
2961	4	2.47	16	464	645	0.025	29.00	0.72	1.067	0.99998
3121	4	5.34	118	19,716	1,120	0.105	167.08	17.60	1.026	0.99959
3122	1	0.42	3	75	843	0.004	25.00	0.09	1.000	0.99999
3123	1	0.55	25	840	1,033	0.024	33.60	0.81	1.000	0.99998
3221	1	3.15	1	189	1,233	0.001	189.00	0.15	1.000	0.99999
3222	2	3.29	2	197	766	0.003	98.50	0.26	1.000	0.99999
3231	1	2.42	1	145	413	0.002	145.00	0.35	1.000	0.99999
3302	2	2.36	40	2,853	882	0.045	71.33	3.23	1.000	0.99993
3303	1	1.35	1	81	978	0.001	81.00	0.08	1.000	0.99999
3311	1	0.30	1	18	535	0.002	18.00	0.03	1.000	0.99999

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3315	7	5.83	84	3,817	1,568	0.054	45.44	2.43	1.050	0.99994
3422	3	3.74	23	1,691	968	0.024	73.52	1.75	1.000	0.99996
3471	3	2.88	69	4,382	169	0.408	63.51	25.93	1.000	0.99940
3472	2	2.11	4	233	1,567	0.003	58.25	0.15	1.000	0.99999
3551	1	1.88	5	568	1,035	0.005	113.60	0.55	1.000	0.99999
3553	1	1.85	1	111	1,026	0.001	111.00	0.11	1.000	0.99999
3592	2	2.99	11	1,188	1,724	0.006	108.00	0.69	1.100	0.99998
3593	1	1.07	175	11,342	933	0.188	64.81	12.16	1.000	0.99972
3621	17	21.39	38	3,033	1,554	0.024	79.82	1.95	1.056	0.99995
3661	1	1.65	1	99	1,022	0.001	99.00	0.10	1.000	0.99999
3663	3	7.26	3	435	783	0.004	145.00	0.56	1.000	0.99999
3664	1	2.77	1	166	518	0.002	166.00	0.32	1.000	0.99999
3691	2	4.33	2	260	1,144	0.002	130.00	0.23	1.000	0.99999
3702	1	1.27	1	76	604	0.002	76.00	0.13	1.000	0.99999
3751	2	1.28	871	36,286	870	1.001	41.66	41.71	1.001	0.99903
3871	1	1.42	15	1,283	1,384	0.011	85.53	0.93	1.000	0.99998
3872	1	1.30	1	78	1,068	0.001	78.00	0.07	1.000	0.99999
3878	1	2.58	14	2,170	779	0.018	155.00	2.79	1.000	0.99994
3892	1	1.12	3	201	473	0.006	67.00	0.42	1.000	0.99999
3893	6	7.70	77	6,068	1,098	0.070	78.81	5.53	1.540	0.99987
3903	1	2.72	1	163	293	0.003	163.00	0.56	1.000	0.99999
3913	4	3.79	4	227	807	0.005	56.75	0.28	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3914	1	0.40	1	24	369	0.003	24.00	0.07	1.000	0.99999
3951	3	5.83	943	131,133	911	1.035	139.06	143.94	1.032	0.99667
3952	1	0.78	4	189	1,256	0.003	47.25	0.15	1.000	0.99999
3953	1	1.02	6	367	519	0.012	61.17	0.71	1.000	0.99998
3981	1	0.83	1	50	1,496	0.001	50.00	0.03	1.000	0.99999
3982	6	5.37	392	19,813	1,761	0.223	50.54	11.25	1.107	0.99974
3992	1	1.98	165	19,766	165	1.000	119.79	119.79	1.000	0.99723
403	1	1.87	265	29,816	266	0.996	112.51	112.09	1.000	0.99741
4031	1	1.40	5	420	693	0.007	84.00	0.61	1.000	0.99999
4091	1	4.40	1	264	1,142	0.001	264.00	0.23	1.000	0.99999
4101	5	5.80	145	12,131	579	0.250	83.66	20.95	1.000	0.99952
4102	1	0.72	21	914	904	0.023	43.52	1.01	1.000	0.99998
4133	1	1.83	1	110	630	0.002	110.00	0.17	1.000	0.99999
4138	2	1.92	2	115	742	0.003	57.50	0.15	1.000	0.99999
4141	2	2.40	2	144	82	0.024	72.00	1.76	1.000	0.99996
4152	1	0.82	36	1,772	790	0.046	49.22	2.24	1.000	0.99995
4172	2	1.82	46	2,453	1,701	0.027	53.33	1.44	1.000	0.99997
4181	1	2.28	1	137	483	0.002	137.00	0.28	1.000	0.99999
4211	1	1.07	11	709	832	0.013	64.45	0.85	1.000	0.99998
4212	1	3.52	3	633	812	0.004	211.00	0.78	1.000	0.99998
4222	1	0.85	8	409	1,027	0.008	51.13	0.40	1.000	0.99999
4224	3	11.68	19	5,564	752	0.025	292.84	7.40	1.900	0.99983

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4324	1	1.35	1	81	1,250	0.001	81.00	0.06	1.000	0.99999
4333	1	1.03	1	62	555	0.002	62.00	0.11	1.000	0.99999
4334	1	0.55	300	10,080	300	1.000	33.60	33.60	1.000	0.99922
4341	1	0.77	1	46	1,761	0.001	46.00	0.03	1.000	0.99999
4342	1	1.68	1	101	1,734	0.001	101.00	0.06	1.000	0.99999
4361	1	2.83	32	5,467	1,222	0.026	170.84	4.47	1.000	0.99990
4362	1	0.87	51	2,692	825	0.062	52.78	3.26	1.000	0.99992
4363	4	4.08	15	926	1,502	0.010	61.73	0.62	1.000	0.99999
4371	5	3.08	117	4,389	1,535	0.076	37.51	2.86	1.017	0.99993
4381	1	1.55	21	1,964	323	0.065	93.52	6.08	1.000	0.99986
4431	5	5.77	51	2,524	1,349	0.038	49.49	1.87	1.020	0.99996
4601	1	1.30	6	469	408	0.015	78.17	1.15	1.000	0.99997
4692	1	0.73	6	265	482	0.012	44.17	0.55	1.000	0.99999
4712	1	0.32	25	494	25	1.000	19.76	19.76	1.000	0.99954
4714	1	0.45	324	8,915	324	1.000	27.52	27.52	1.000	0.99936
5601	1	1.03	1	62	1,155	0.001	62.00	0.05	1.000	0.99999
5603	3	2.77	6	246	1,286	0.005	41.00	0.19	1.200	0.99999
5905	1	0.28	1	17	1,849	0.001	17.00	0.01	1.000	0.99999
6021	3	2.66	35	1,709	1,224	0.029	48.83	1.40	1.061	0.99997
6141	2	1.10	31	1,394	632	0.049	44.97	2.21	1.033	0.99995
6142	1	0.52	1	31	305	0.003	31.00	0.10	1.000	0.99999
6143	1	0.32	1	19	371	0.003	19.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	224	295.93	7,708	544,481	162,637	0.047	70.64	3.35	1.127	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2015 to 5/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	3	2.68	109	5,766	1,070	0.102	52.90	5.39	1.000	0.99988
1052	2	2.18	43	2,257	1,159	0.037	52.49	1.95	1.024	0.99996
1082	4	6.51	50	7,234	1,316	0.038	144.68	5.50	1.020	0.99988
1093	1	1.33	1	80	239	0.004	80.00	0.33	1.000	0.99999
1094	1	0.75	37	1,641	1,228	0.030	44.35	1.34	1.000	0.99997
1101	1	0.92	96	5,358	973	0.099	55.81	5.51	1.000	0.99988
1102	1	1.40	1	84	451	0.002	84.00	0.19	1.000	0.99999
1142	3	3.24	6	384	215	0.028	64.00	1.79	1.000	0.99996
1212	1	2.28	1	137	326	0.003	137.00	0.42	1.000	0.99999
1213	3	3.60	11	842	543	0.020	76.55	1.55	1.000	0.99997
1230	5	2.94	203	5,521	1,180	0.172	27.20	4.68	1.015	0.99990
1232	2	6.28	2	377	1,176	0.002	188.50	0.32	1.000	0.99999
1233	5	4.94	110	8,288	639	0.172	75.35	12.97	1.028	0.99971
1241	1	1.28	1	77	843	0.001	77.00	0.09	1.000	0.99999
1242	1	0.40	1	24	675	0.001	24.00	0.04	1.000	0.99999
1243	6	6.33	104	6,293	1,189	0.087	60.51	5.29	1.020	0.99988
1265	1	0.93	19	1,071	1,277	0.015	56.37	0.84	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	1	1.13	1	68	945	0.001	68.00	0.07	1.000	0.99999
1273	3	2.52	18	943	862	0.021	52.39	1.09	1.000	0.99998
1282	3	4.43	136	11,777	937	0.145	86.60	12.57	1.007	0.99972
1285	2	1.37	50	1,024	1,086	0.046	20.48	0.94	1.000	0.99998
1452	4	29.25	22	2,604	447	0.049	118.36	5.83	1.048	0.99987
1453	2	2.67	9	399	1,786	0.005	44.33	0.22	1.000	0.99999
1454	3	6.22	7	559	938	0.007	79.86	0.60	1.000	0.99999
1521	4	3.14	21	1,238	356	0.059	58.95	3.48	1.105	0.99992
1523	6	21.98	764	171,981	714	1.070	225.11	240.87	1.920	0.99460
1841	17	20.08	570	48,415	629	0.906	84.94	76.97	1.065	0.99828
1842	1	1.42	280	24,028	280	1.000	85.81	85.81	1.000	0.99808
1843	9	22.84	1,357	144,050	1,082	1.254	106.15	133.13	1.254	0.99702
2051	1	0.88	2	107	162	0.012	53.50	0.66	1.000	0.99999
2091	2	3.57	70	7,520	872	0.080	107.43	8.62	1.029	0.99981
2092	2	2.40	433	32,756	908	0.477	75.65	36.07	1.046	0.99919
2171	2	2.88	28	2,121	561	0.050	75.75	3.78	1.000	0.99992
2172	2	2.37	28	1,699	223	0.126	60.68	7.62	1.000	0.99983
2211	1	0.38	31	721	722	0.043	23.26	1.00	1.000	0.99998
2212	5	4.14	35	1,877	1,284	0.027	53.63	1.46	1.061	0.99997
2511	1	1.73	5	520	618	0.008	104.00	0.84	1.000	0.99998
2621	1	1.30	1	78	1,156	0.001	78.00	0.07	1.000	0.99999
2711	1	2.15	5	646	253	0.020	129.20	2.55	1.000	0.99994

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2951	4	2.87	17	715	1,380	0.012	42.06	0.52	1.000	0.99999
2952	1	1.75	1	105	151	0.007	105.00	0.70	1.000	0.99998
2961	7	4.65	111	3,255	645	0.172	29.32	5.05	1.009	0.99989
3081	1	0.95	1	57	567	0.002	57.00	0.10	1.000	0.99999
3082	1	0.63	1	38	321	0.003	38.00	0.12	1.000	0.99999
3121	3	3.58	72	4,809	1,120	0.064	66.79	4.29	1.286	0.99990
3122	2	4.21	843	107,732	843	1.000	127.80	127.80	2.051	0.99714
3221	4	5.12	57	5,739	1,233	0.046	100.68	4.65	1.036	0.99990
3222	8	12.03	773	140,488	766	1.009	181.74	183.40	1.009	0.99589
3231	14	10.86	290	10,668	413	0.702	36.79	25.83	1.255	0.99942
3232	1	0.65	12	468	426	0.028	39.00	1.10	1.000	0.99998
3301	1	1.97	206	24,359	206	1.000	118.25	118.25	1.000	0.99735
3302	1	1.05	20	1,270	882	0.023	63.50	1.44	1.000	0.99997
3303	2	2.72	25	735	978	0.026	29.40	0.75	1.000	0.99998
3311	1	1.15	11	768	535	0.021	69.82	1.44	1.000	0.99997
3313	4	2.85	51	1,576	1,252	0.041	30.90	1.26	1.041	0.99997
3315	3	2.77	22	1,278	1,568	0.014	58.09	0.82	1.048	0.99998
3422	1	1.67	13	1,311	968	0.013	100.85	1.35	1.000	0.99997
3423	1	1.22	1	73	386	0.003	73.00	0.19	1.000	0.99999
3471	4	7.70	1,366	64,431	169	1.002	47.17	381.25	1.002	0.99146
3472	8	13.69	1,605	47,835	1,567	1.024	29.80	30.53	1.117	0.99932
3551	2	4.05	75	6,889	1,035	0.072	91.85	6.66	1.014	0.99985

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3552	4	4.95	114	3,190	562	0.203	27.98	5.68	1.056	0.99987
3553	4	14.50	48	3,325	1,026	0.047	69.27	3.24	1.000	0.99993
3592	2	2.08	55	3,149	1,724	0.032	57.25	1.83	1.000	0.99996
3593	3	6.38	118	15,172	933	0.126	128.58	16.26	1.000	0.99964
3621	5	8.11	43	5,186	1,554	0.028	120.60	3.34	1.049	0.99993
3662	3	1.35	1,370	49,024	773	1.772	35.78	63.42	1.789	0.99858
3663	1	0.92	38	2,090	783	0.049	55.00	2.67	1.000	0.99994
3664	1	1.25	1	75	518	0.002	75.00	0.14	1.000	0.99999
3671	1	0.80	6	293	496	0.012	48.83	0.59	1.000	0.99999
3673	2	2.13	265	9,596	264	1.004	36.21	36.35	1.004	0.99919
3675	1	1.43	413	35,882	413	1.000	86.88	86.88	1.000	0.99805
3692	2	3.46	409	38,873	407	1.005	95.04	95.51	1.002	0.99786
3693	2	3.08	249	22,036	183	1.361	88.50	120.42	1.705	0.99730
3694	3	3.48	28	1,786	1,255	0.022	63.79	1.42	1.000	0.99997
3701	2	1.62	40	1,964	479	0.084	49.10	4.10	1.000	0.99991
3702	1	0.85	45	2,306	604	0.075	51.24	3.82	1.000	0.99991
3751	3	8.87	919	374,121	870	1.056	407.10	430.02	1.056	0.99037
3871	1	1.42	1	85	1,376	0.001	85.00	0.06	1.000	0.99999
3872	1	1.12	26	1,749	1,068	0.024	67.27	1.64	1.000	0.99996
3878	9	10.74	392	24,063	777	0.505	61.39	30.97	1.000	0.99931
3891	2	1.38	33	1,559	437	0.076	47.24	3.57	1.031	0.99992
3892	3	5.10	475	19,556	473	1.004	41.17	41.34	1.004	0.99907

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3893	2	2.37	62	2,002	1,098	0.056	32.29	1.82	1.016	0.99996
3894	3	1.84	5	185	115	0.043	37.00	1.61	1.000	0.99996
3901	1	1.43	878	75,976	878	1.000	86.53	86.53	1.000	0.99806
3902	1	1.30	86	6,761	86	1.000	78.62	78.62	1.000	0.99824
3903	2	2.85	300	24,726	299	1.003	82.42	82.70	1.003	0.99815
3913	4	3.84	106	4,400	807	0.131	41.51	5.45	1.019	0.99988
3914	1	0.52	1	31	369	0.003	31.00	0.08	1.000	0.99999
3952	2	3.46	63	5,893	1,256	0.050	93.54	4.69	1.000	0.99989
3953	1	0.88	1	53	519	0.002	53.00	0.10	1.000	0.99999
3971	1	1.67	3	302	662	0.005	100.67	0.46	1.000	0.99999
3981	2	1.12	51	1,870	1,496	0.034	36.67	1.25	1.000	0.99997
3982	6	6.05	72	4,209	1,761	0.041	58.46	2.39	1.000	0.99995
3991	4	7.88	52	2,921	721	0.072	56.17	4.05	1.040	0.99991
3992	3	5.70	3	342	165	0.018	114.00	2.07	1.000	0.99995
4031	2	2.67	40	3,122	693	0.058	78.05	4.51	1.000	0.99990
4091	2	3.29	58	6,492	1,142	0.051	111.93	5.68	1.000	0.99987
4101	1	0.72	1	43	579	0.002	43.00	0.07	1.000	0.99999
4102	3	4.00	36	2,496	904	0.040	69.33	2.76	1.029	0.99994
4132	3	1.17	3	70	565	0.005	23.33	0.12	1.000	0.99999
4133	2	2.30	30	1,228	630	0.048	40.93	1.95	1.034	0.99996
4134	2	1.81	16	1,369	832	0.019	85.56	1.65	1.000	0.99996
4137	5	5.01	124	6,392	792	0.157	51.55	8.07	1.425	0.99982

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4138	1	1.03	16	1,006	742	0.022	62.88	1.36	1.000	0.99997
4151	4	4.30	95	6,560	1,239	0.077	69.05	5.29	1.011	0.99988
4152	3	4.02	62	7,427	790	0.078	119.79	9.40	1.148	0.99979
4154	1	2.17	1	130	1,152	0.001	130.00	0.11	1.000	0.99999
4155	4	7.64	70	9,386	2,072	0.034	134.09	4.53	1.014	0.99990
4172	28	40.99	269	30,508	1,701	0.158	113.41	17.94	1.019	0.99960
4181	1	1.20	14	1,021	483	0.029	72.93	2.11	1.000	0.99995
4211	1	2.68	971	156,411	691	1.000	161.08	226.35	1.000	0.99493
4212	1	2.42	6	870	812	0.007	145.00	1.07	1.000	0.99998
4222	6	5.04	1,869	161,716	1,027	1.024	86.53	157.46	1.024	0.99647
4223	1	1.43	749	64,838	755	0.992	86.57	85.88	1.000	0.99808
4224	9	4.90	763	65,427	752	1.015	85.75	87.00	1.011	0.99805
4312	1	2.23	11	1,479	836	0.013	134.45	1.77	1.000	0.99996
4324	1	1.07	1	64	1,250	0.001	64.00	0.05	1.000	0.99999
4331	2	1.81	4	217	300	0.013	54.25	0.72	1.000	0.99998
4333	1	2.68	1	161	555	0.002	161.00	0.29	1.000	0.99999
4334	1	1.33	1	80	300	0.003	80.00	0.27	1.000	0.99999
4341	4	4.65	69	4,341	1,761	0.039	62.91	2.47	1.000	0.99994
4342	12	16.93	127	11,009	1,734	0.073	86.69	6.35	1.016	0.99986
4343	6	5.39	270	18,377	1,022	0.264	68.06	17.98	1.031	0.99960
4361	1	0.72	1	43	789	0.001	43.00	0.05	1.000	0.99999
4363	2	2.48	61	4,627	1,643	0.037	75.85	2.82	1.000	0.99994

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4371	5	5.12	84	3,863	1,535	0.055	45.99	2.52	1.037	0.99994
4372	3	3.03	28	1,998	432	0.065	71.36	4.63	1.037	0.99990
4373	2	6.05	14	3,434	754	0.019	245.29	4.55	1.000	0.99990
4431	6	7.59	9	513	1,349	0.007	57.00	0.38	1.000	0.99999
4432	2	2.84	36	3,075	456	0.079	85.42	6.74	1.000	0.99985
4601	1	1.27	28	2,148	408	0.069	76.71	5.26	1.000	0.99988
4602	5	10.54	150	15,792	941	0.159	105.28	16.78	1.014	0.99962
4692	5	9.71	7	716	482	0.015	102.29	1.49	1.000	0.99997
4714	4	3.67	19	812	324	0.059	42.74	2.51	1.118	0.99994
5601	9	8.68	90	4,398	1,155	0.078	48.87	3.81	1.023	0.99991
5602	14	26.85	68	8,905	679	0.100	130.96	13.11	1.000	0.99971
5603	7	15.26	70	3,375	1,286	0.054	48.21	2.62	1.000	0.99994
5641	2	2.67	103	6,879	321	0.321	66.79	21.43	1.010	0.99952
5902	2	4.94	2	296	1,004	0.002	148.00	0.29	1.000	0.99999
5904	3	2.88	92	6,077	1,147	0.080	66.05	5.30	1.000	0.99988
5905	4	2.76	8	283	1,849	0.004	35.38	0.15	1.000	0.99999
6021	3	5.20	21	1,027	1,224	0.017	48.90	0.84	1.000	0.99998
6022	1	1.08	1	65	490	0.002	65.00	0.13	1.000	0.99999
6024	2	4.90	119	19,656	391	0.304	165.18	50.27	1.000	0.99887
6141	3	2.85	3	171	632	0.005	57.00	0.27	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	471	666.88	23,703	2,320,308	162,617	0.146	97.89	14.27	1.100	0.99968

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2015 to 5/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	3	2.68	109	5,766	1,070	0.102	52.90	5.39	1.000	0.99988
1052	2	2.18	43	2,257	1,159	0.037	52.49	1.95	1.024	0.99996
1082	4	6.51	50	7,234	1,316	0.038	144.68	5.50	1.020	0.99988
1093	1	1.33	1	80	239	0.004	80.00	0.33	1.000	0.99999
1094	1	0.75	37	1,641	1,228	0.030	44.35	1.34	1.000	0.99997
1101	1	0.92	96	5,358	973	0.099	55.81	5.51	1.000	0.99988
1102	1	1.40	1	84	451	0.002	84.00	0.19	1.000	0.99999
1142	3	3.24	6	384	215	0.028	64.00	1.79	1.000	0.99996
1212	1	2.28	1	137	326	0.003	137.00	0.42	1.000	0.99999
1213	3	3.60	11	842	543	0.020	76.55	1.55	1.000	0.99997
1230	5	2.94	203	5,521	1,180	0.172	27.20	4.68	1.015	0.99990
1232	2	6.28	2	377	1,176	0.002	188.50	0.32	1.000	0.99999
1233	5	4.94	110	8,288	639	0.172	75.35	12.97	1.028	0.99971
1241	1	1.28	1	77	843	0.001	77.00	0.09	1.000	0.99999
1242	1	0.40	1	24	675	0.001	24.00	0.04	1.000	0.99999
1243	6	6.33	104	6,293	1,189	0.087	60.51	5.29	1.020	0.99988
1265	1	0.93	19	1,071	1,277	0.015	56.37	0.84	1.000	0.99998

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	1	1.13	1	68	945	0.001	68.00	0.07	1.000	0.99999
1273	3	2.52	18	943	862	0.021	52.39	1.09	1.000	0.99998
1282	3	4.43	136	11,777	937	0.145	86.60	12.57	1.007	0.99972
1285	2	1.37	50	1,024	1,086	0.046	20.48	0.94	1.000	0.99998
1452	4	29.25	22	2,604	447	0.049	118.36	5.83	1.048	0.99987
1453	2	2.67	9	399	1,786	0.005	44.33	0.22	1.000	0.99999
1454	3	6.22	7	559	938	0.007	79.86	0.60	1.000	0.99999
1521	4	3.14	21	1,238	356	0.059	58.95	3.48	1.105	0.99992
1523	6	21.98	764	171,981	714	1.070	225.11	240.87	1.920	0.99460
1841	17	20.08	570	48,415	629	0.906	84.94	76.97	1.065	0.99828
1842	1	1.42	280	24,028	280	1.000	85.81	85.81	1.000	0.99808
1843	9	22.84	1,357	144,050	1,082	1.254	106.15	133.13	1.254	0.99702
2051	1	0.88	2	107	162	0.012	53.50	0.66	1.000	0.99999
2091	2	3.57	70	7,520	872	0.080	107.43	8.62	1.029	0.99981
2092	2	2.40	433	32,756	908	0.477	75.65	36.07	1.046	0.99919
2171	2	2.88	28	2,121	561	0.050	75.75	3.78	1.000	0.99992
2172	2	2.37	28	1,699	223	0.126	60.68	7.62	1.000	0.99983
2211	1	0.38	31	721	722	0.043	23.26	1.00	1.000	0.99998
2212	5	4.14	35	1,877	1,284	0.027	53.63	1.46	1.061	0.99997
2511	1	1.73	5	520	618	0.008	104.00	0.84	1.000	0.99998
2621	1	1.30	1	78	1,156	0.001	78.00	0.07	1.000	0.99999
2711	1	2.15	5	646	253	0.020	129.20	2.55	1.000	0.99994

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2951	4	2.87	17	715	1,380	0.012	42.06	0.52	1.000	0.99999
2952	1	1.75	1	105	151	0.007	105.00	0.70	1.000	0.99998
2961	7	4.65	111	3,255	645	0.172	29.32	5.05	1.009	0.99989
3081	1	0.95	1	57	567	0.002	57.00	0.10	1.000	0.99999
3082	1	0.63	1	38	321	0.003	38.00	0.12	1.000	0.99999
3121	3	3.58	72	4,809	1,120	0.064	66.79	4.29	1.286	0.99990
3122	2	4.21	843	107,732	843	1.000	127.80	127.80	2.051	0.99714
3221	4	5.12	57	5,739	1,233	0.046	100.68	4.65	1.036	0.99990
3222	8	12.03	773	140,488	766	1.009	181.74	183.40	1.009	0.99589
3231	14	10.86	290	10,668	413	0.702	36.79	25.83	1.255	0.99942
3232	1	0.65	12	468	426	0.028	39.00	1.10	1.000	0.99998
3301	1	1.97	206	24,359	206	1.000	118.25	118.25	1.000	0.99735
3302	1	1.05	20	1,270	882	0.023	63.50	1.44	1.000	0.99997
3303	2	2.72	25	735	978	0.026	29.40	0.75	1.000	0.99998
3311	1	1.15	11	768	535	0.021	69.82	1.44	1.000	0.99997
3313	4	2.85	51	1,576	1,252	0.041	30.90	1.26	1.041	0.99997
3315	3	2.77	22	1,278	1,568	0.014	58.09	0.82	1.048	0.99998
3422	1	1.67	13	1,311	968	0.013	100.85	1.35	1.000	0.99997
3423	1	1.22	1	73	386	0.003	73.00	0.19	1.000	0.99999
3471	4	7.70	1,366	64,431	169	8.083	47.17	381.25	1.002	0.99146
3472	8	13.69	1,605	47,835	1,567	1.024	29.80	30.53	1.117	0.99932
3551	2	4.05	75	6,889	1,035	0.072	91.85	6.66	1.014	0.99985

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3552	4	4.95	114	3,190	562	0.203	27.98	5.68	1.056	0.99987
3553	4	14.50	48	3,325	1,026	0.047	69.27	3.24	1.000	0.99993
3592	2	2.08	55	3,149	1,724	0.032	57.25	1.83	1.000	0.99996
3593	3	6.38	118	15,172	933	0.126	128.58	16.26	1.000	0.99964
3621	5	8.11	43	5,186	1,554	0.028	120.60	3.34	1.049	0.99993
3662	3	1.35	1,370	49,024	773	1.772	35.78	63.42	1.789	0.99858
3663	1	0.92	38	2,090	783	0.049	55.00	2.67	1.000	0.99994
3664	1	1.25	1	75	518	0.002	75.00	0.14	1.000	0.99999
3671	1	0.80	6	293	496	0.012	48.83	0.59	1.000	0.99999
3673	2	2.13	265	9,596	264	1.004	36.21	36.35	1.004	0.99919
3675	1	1.43	413	35,882	413	1.000	86.88	86.88	1.000	0.99805
3692	2	3.46	409	38,873	407	1.005	95.04	95.51	1.002	0.99786
3693	2	3.08	249	22,036	183	1.361	88.50	120.42	1.705	0.99730
3694	3	3.48	28	1,786	1,255	0.022	63.79	1.42	1.000	0.99997
3701	2	1.62	40	1,964	479	0.084	49.10	4.10	1.000	0.99991
3702	1	0.85	45	2,306	604	0.075	51.24	3.82	1.000	0.99991
3751	3	8.87	919	374,121	870	1.056	407.10	430.02	1.056	0.99037
3871	1	1.42	1	85	1,376	0.001	85.00	0.06	1.000	0.99999
3872	1	1.12	26	1,749	1,068	0.024	67.27	1.64	1.000	0.99996
3878	9	10.74	392	24,063	777	0.505	61.39	30.97	1.000	0.99931
3891	2	1.38	33	1,559	437	0.076	47.24	3.57	1.031	0.99992
3892	3	5.10	475	19,556	473	1.004	41.17	41.34	1.004	0.99907

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3893	2	2.37	62	2,002	1,098	0.056	32.29	1.82	1.016	0.99996
3894	3	1.84	5	185	115	0.043	37.00	1.61	1.000	0.99996
3901	1	1.43	878	75,976	878	1.000	86.53	86.53	1.000	0.99806
3902	1	1.30	86	6,761	86	1.000	78.62	78.62	1.000	0.99824
3903	2	2.85	300	24,726	299	1.003	82.42	82.70	1.003	0.99815
3913	4	3.84	106	4,400	807	0.131	41.51	5.45	1.019	0.99988
3914	1	0.52	1	31	369	0.003	31.00	0.08	1.000	0.99999
3952	2	3.46	63	5,893	1,256	0.050	93.54	4.69	1.000	0.99989
3953	1	0.88	1	53	519	0.002	53.00	0.10	1.000	0.99999
3971	1	1.67	3	302	662	0.005	100.67	0.46	1.000	0.99999
3981	2	1.12	51	1,870	1,496	0.034	36.67	1.25	1.000	0.99997
3982	6	6.05	72	4,209	1,761	0.041	58.46	2.39	1.000	0.99995
3991	4	7.88	52	2,921	721	0.072	56.17	4.05	1.040	0.99991
3992	3	5.70	3	342	165	0.018	114.00	2.07	1.000	0.99995
4031	2	2.67	40	3,122	693	0.058	78.05	4.51	1.000	0.99990
4091	2	3.29	58	6,492	1,142	0.051	111.93	5.68	1.000	0.99987
4101	1	0.72	1	43	579	0.002	43.00	0.07	1.000	0.99999
4102	3	4.00	36	2,496	904	0.040	69.33	2.76	1.029	0.99994
4132	3	1.17	3	70	565	0.005	23.33	0.12	1.000	0.99999
4133	2	2.30	30	1,228	630	0.048	40.93	1.95	1.034	0.99996
4134	2	1.81	16	1,369	832	0.019	85.56	1.65	1.000	0.99996
4137	5	5.01	124	6,392	792	0.157	51.55	8.07	1.425	0.99982

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4138	1	1.03	16	1,006	742	0.022	62.88	1.36	1.000	0.99997
4151	4	4.30	95	6,560	1,239	0.077	69.05	5.29	1.011	0.99988
4152	3	4.02	62	7,427	790	0.078	119.79	9.40	1.148	0.99979
4154	1	2.17	1	130	1,152	0.001	130.00	0.11	1.000	0.99999
4155	4	7.64	70	9,386	2,072	0.034	134.09	4.53	1.014	0.99990
4172	28	40.99	269	30,508	1,701	0.158	113.41	17.94	1.019	0.99960
4181	1	1.20	14	1,021	483	0.029	72.93	2.11	1.000	0.99995
4211	1	2.68	971	156,411	691	1.000	161.08	226.35	1.000	0.99493
4212	1	2.42	6	870	812	0.007	145.00	1.07	1.000	0.99998
4222	6	5.04	1,869	161,716	1,027	1.024	86.53	157.46	1.024	0.99647
4223	1	1.43	749	64,838	755	0.992	86.57	85.88	1.000	0.99808
4224	9	4.90	763	65,427	752	1.015	85.75	87.00	1.011	0.99805
4312	1	2.23	11	1,479	836	0.013	134.45	1.77	1.000	0.99996
4324	1	1.07	1	64	1,250	0.001	64.00	0.05	1.000	0.99999
4331	2	1.81	4	217	300	0.013	54.25	0.72	1.000	0.99998
4333	1	2.68	1	161	555	0.002	161.00	0.29	1.000	0.99999
4334	1	1.33	1	80	300	0.003	80.00	0.27	1.000	0.99999
4341	4	4.65	69	4,341	1,761	0.039	62.91	2.47	1.000	0.99994
4342	12	16.93	127	11,009	1,734	0.073	86.69	6.35	1.016	0.99986
4343	6	5.39	270	18,377	1,022	0.264	68.06	17.98	1.031	0.99960
4361	1	0.72	1	43	789	0.001	43.00	0.05	1.000	0.99999
4363	2	2.48	61	4,627	1,643	0.037	75.85	2.82	1.000	0.99994

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4371	5	5.12	84	3,863	1,535	0.055	45.99	2.52	1.037	0.99994
4372	3	3.03	28	1,998	432	0.065	71.36	4.63	1.037	0.99990
4373	2	6.05	14	3,434	754	0.019	245.29	4.55	1.000	0.99990
4431	6	7.59	9	513	1,349	0.007	57.00	0.38	1.000	0.99999
4432	2	2.84	36	3,075	456	0.079	85.42	6.74	1.000	0.99985
4601	1	1.27	28	2,148	408	0.069	76.71	5.26	1.000	0.99988
4602	5	10.54	150	15,792	941	0.159	105.28	16.78	1.014	0.99962
4692	5	9.71	7	716	482	0.015	102.29	1.49	1.000	0.99997
4714	4	3.67	19	812	324	0.059	42.74	2.51	1.118	0.99994
5601	9	8.68	90	4,398	1,155	0.078	48.87	3.81	1.023	0.99991
5602	14	26.85	68	8,905	679	0.100	130.96	13.11	1.000	0.99971
5603	7	15.26	70	3,375	1,286	0.054	48.21	2.62	1.000	0.99994
5641	2	2.67	103	6,879	321	0.321	66.79	21.43	1.010	0.99952
5902	2	4.94	2	296	1,004	0.002	148.00	0.29	1.000	0.99999
5904	3	2.88	92	6,077	1,147	0.080	66.05	5.30	1.000	0.99988
5905	4	2.76	8	283	1,849	0.004	35.38	0.15	1.000	0.99999
6021	3	5.20	21	1,027	1,224	0.017	48.90	0.84	1.000	0.99998
6022	1	1.08	1	65	490	0.002	65.00	0.13	1.000	0.99999
6024	2	4.90	119	19,656	391	0.304	165.18	50.27	1.000	0.99887
6141	3	2.85	3	171	632	0.005	57.00	0.27	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	471	666.88	23,703	2,320,308	162,617	0.146	97.89	14.27	1.100	0.99968

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2015 to 6/30/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	3.15	52	1,872	1,567	0.033	36.00	1.19	1.000	0.99997
1051	3	4.31	11	1,109	1,070	0.010	100.82	1.04	1.000	0.99998
1052	2	3.02	2	181	1,159	0.002	90.50	0.16	1.000	0.99999
1081	1	0.88	1	53	18	0.056	53.00	2.94	1.000	0.99993
1082	2	2.59	2	155	1,316	0.002	77.50	0.12	1.000	0.99999
1092	1	0.92	1	55	959	0.001	55.00	0.06	1.000	0.99999
1094	1	0.43	11	294	1,228	0.009	26.73	0.24	1.000	0.99999
1101	2	3.00	87	9,282	973	0.089	106.69	9.54	1.012	0.99978
1102	2	4.32	47	1,413	451	0.104	30.06	3.13	1.022	0.99993
1141	2	1.84	76	4,213	900	0.084	55.43	4.68	2.000	0.99989
1142	2	2.24	19	988	215	0.088	52.00	4.60	1.000	0.99989
1211	1	0.58	20	701	1,475	0.014	35.05	0.48	1.000	0.99999
1212	2	2.60	2	156	326	0.006	78.00	0.48	1.000	0.99999
1213	7	7.12	15	1,105	543	0.028	73.67	2.03	1.000	0.99995
1230	4	3.88	128	7,131	1,180	0.108	55.71	6.04	1.455	0.99986
1232	4	5.96	167	13,711	1,176	0.142	82.10	11.66	1.064	0.99973
1233	1	0.80	1	48	639	0.002	48.00	0.08	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	2	3.10	2	186	843	0.002	93.00	0.22	1.000	0.99999
1243	10	7.30	65	5,489	1,189	0.055	84.45	4.62	1.016	0.99989
1265	2	3.88	39	6,180	1,277	0.031	158.46	4.84	1.000	0.99989
1271	1	1.52	1	91	945	0.001	91.00	0.10	1.000	0.99999
1451	1	1.72	15	1,558	510	0.029	103.87	3.05	1.000	0.99993
1452	1	0.57	1	34	447	0.002	34.00	0.08	1.000	0.99999
1453	1	2.12	36	4,575	1,786	0.020	127.08	2.56	1.000	0.99994
1454	2	3.96	2	238	938	0.002	119.00	0.25	1.000	0.99999
1521	3	2.80	18	1,308	356	0.051	72.67	3.67	1.059	0.99991
1523	3	3.15	41	2,326	714	0.057	56.73	3.26	1.000	0.99992
1841	10	5.30	551	33,968	629	0.876	61.65	54.00	1.030	0.99875
1842	1	1.00	46	2,776	280	0.164	60.35	9.91	1.000	0.99977
2091	2	3.11	36	4,159	872	0.041	115.53	4.77	1.029	0.99989
2171	1	0.52	68	2,147	561	0.121	31.57	3.83	1.000	0.99991
2172	1	1.88	1	113	223	0.004	113.00	0.51	1.000	0.99999
2211	4	6.93	6	613	722	0.008	102.17	0.85	1.000	0.99998
2212	3	4.26	21	1,084	1,284	0.016	51.62	0.84	1.050	0.99998
2621	5	9.83	156	16,330	1,156	0.135	104.68	14.13	1.000	0.99967
2711	1	0.77	2	92	253	0.008	46.00	0.36	1.000	0.99999
2951	3	3.86	3	232	1,380	0.002	77.33	0.17	1.000	0.99999
2961	2	1.35	72	3,068	645	0.112	42.61	4.76	1.014	0.99989
2962	1	1.58	1	95	253	0.004	95.00	0.38	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3041	1	1.65	1	99	80	0.013	99.00	1.24	1.000	0.99997
3081	1	0.88	570	30,523	567	1.005	53.55	53.83	1.000	0.99875
3121	6	9.41	206	19,706	1,120	0.184	95.66	17.59	1.675	0.99959
3122	4	6.50	45	5,699	843	0.053	126.64	6.76	1.000	0.99984
3123	1	0.52	1	31	1,033	0.001	31.00	0.03	1.000	0.99999
3181	3	2.87	1,204	66,943	719	1.675	55.60	93.11	1.675	0.99784
3221	1	0.60	1	36	1,233	0.001	36.00	0.03	1.000	0.99999
3222	3	2.54	3	152	766	0.004	50.67	0.20	1.000	0.99999
3232	1	0.67	426	17,075	426	1.000	40.08	40.08	1.000	0.99907
3302	1	0.35	20	422	882	0.023	21.10	0.48	1.000	0.99999
3303	2	2.80	28	2,556	978	0.029	91.29	2.61	1.000	0.99994
3305	1	1.30	11	866	18	0.611	78.73	48.11	1.000	0.99889
3311	2	2.22	84	5,571	535	0.157	66.32	10.41	1.024	0.99976
3313	2	1.53	143	6,752	1,252	0.114	47.22	5.39	1.007	0.99988
3315	1	0.80	14	682	1,568	0.009	48.71	0.43	1.000	0.99999
3422	1	0.95	1	57	968	0.001	57.00	0.06	1.000	0.99999
3423	2	0.61	5	115	386	0.013	23.00	0.30	1.000	0.99999
3471	5	4.77	10	461	169	0.059	46.10	2.73	1.000	0.99994
3472	3	2.62	7	511	1,567	0.004	73.00	0.33	1.000	0.99999
3551	3	4.23	35	2,977	1,035	0.034	85.06	2.88	1.029	0.99993
3552	1	0.95	220	12,550	562	0.391	57.05	22.33	1.000	0.99948
3553	2	4.38	11	2,318	1,026	0.011	210.73	2.26	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3591	1	1.35	14	1,144	1,142	0.012	81.71	1.00	1.000	0.99998
3592	5	7.01	197	13,030	1,724	0.114	66.14	7.56	1.082	0.99983
3593	2	1.71	90	4,483	933	0.096	49.81	4.80	1.000	0.99989
3621	1	1.33	1	80	1,554	0.001	80.00	0.05	1.000	0.99999
3661	4	7.79	225	12,639	1,022	0.220	56.17	12.37	1.000	0.99971
3662	1	2.45	1	147	773	0.001	147.00	0.19	1.000	0.99999
3673	1	0.42	1	25	264	0.004	25.00	0.09	1.000	0.99999
3691	2	1.47	1,170	51,036	1,144	1.023	43.62	44.61	1.025	0.99897
3692	2	1.80	26	1,505	407	0.064	57.88	3.70	1.000	0.99991
3701	1	6.80	1	408	479	0.002	408.00	0.85	1.000	0.99998
3702	1	0.62	18	675	604	0.030	37.50	1.12	1.000	0.99997
3751	2	1.72	2	103	870	0.002	51.50	0.12	1.000	0.99999
3871	2	1.80	70	1,965	1,376	0.051	28.07	1.43	1.014	0.99997
3872	2	1.35	3	123	1,068	0.003	41.00	0.12	1.000	0.99999
3873	1	0.93	1	56	792	0.001	56.00	0.07	1.000	0.99999
3878	2	1.60	13	789	777	0.017	60.69	1.02	1.000	0.99998
3891	1	0.63	46	1,750	437	0.105	38.04	4.00	1.000	0.99991
3892	1	1.12	1	67	473	0.002	67.00	0.14	1.000	0.99999
3893	6	5.51	166	11,514	1,098	0.151	69.36	10.49	1.044	0.99976
3901	3	3.88	68	3,401	878	0.077	50.01	3.87	1.046	0.99991
3903	5	2.56	12	371	299	0.040	30.92	1.24	1.091	0.99997
3912	1	0.45	11	306	1,070	0.010	27.82	0.29	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3913	1	1.15	1	69	807	0.001	69.00	0.09	1.000	0.99999
3914	1	0.58	84	2,991	369	0.228	35.61	8.11	1.000	0.99981
3951	1	1.75	35	3,708	911	0.038	105.94	4.07	1.000	0.99991
3952	2	1.30	13	698	1,256	0.010	53.69	0.56	1.000	0.99999
3953	5	5.02	32	2,262	519	0.062	70.69	4.36	1.067	0.99990
3971	3	2.88	58	4,627	662	0.088	79.78	6.99	1.018	0.99984
3981	3	2.53	23	1,341	1,496	0.015	58.30	0.90	1.045	0.99998
3982	4	8.16	320	62,080	1,761	0.182	194.00	35.25	1.000	0.99918
3991	5	4.94	16	718	721	0.022	44.88	1.00	1.000	0.99998
3992	1	4.15	1	249	165	0.006	249.00	1.51	1.000	0.99997
402	1	1.77	1	106	105	0.010	106.00	1.01	1.000	0.99998
4031	2	6.90	694	245,002	693	1.001	353.03	353.54	1.001	0.99182
407	1	0.48	1	29	102	0.010	29.00	0.28	1.000	0.99999
4091	5	12.87	64	8,563	1,142	0.056	133.80	7.50	1.000	0.99983
4092	2	4.21	2	253	428	0.005	126.50	0.59	1.000	0.99999
4101	5	14.76	285	46,112	579	0.492	161.80	79.64	1.000	0.99816
4102	8	9.62	132	8,829	904	0.146	66.89	9.77	1.031	0.99977
4131	2	2.92	2	175	197	0.010	87.50	0.89	1.000	0.99998
4133	1	1.47	33	2,927	630	0.052	88.70	4.65	1.000	0.99989
4134	3	5.92	58	9,427	832	0.070	162.53	11.33	1.018	0.99974
4137	3	2.90	137	9,552	792	0.173	69.72	12.06	1.007	0.99972
4138	2	2.26	2	136	742	0.003	68.00	0.18	2.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	4	4.61	78	8,211	586	0.133	105.27	14.01	1.026	0.99968
4151	2	2.97	1,329	140,282	1,239	1.073	105.55	113.22	1.073	0.99738
4152	1	0.77	1	46	790	0.001	46.00	0.06	1.000	0.99999
4153	1	0.92	1	55	1,299	0.001	55.00	0.04	1.000	0.99999
4154	2	0.97	32	550	1,152	0.028	17.19	0.48	1.000	0.99999
4155	1	1.05	1	63	2,072	0.000	63.00	0.03	1.000	0.99999
4171	1	2.22	28	3,740	675	0.041	133.57	5.54	1.000	0.99987
4172	29	73.44	1,983	92,711	1,701	1.166	46.75	54.50	1.381	0.99874
4173	1	4.55	1	273	623	0.002	273.00	0.44	1.000	0.99999
4182	6	7.16	94	7,609	1,014	0.093	80.95	7.50	1.033	0.99983
4211	2	3.39	972	117,734	691	1.001	121.13	170.38	1.001	0.99606
4212	2	3.01	813	96,987	812	1.001	119.30	119.44	1.001	0.99724
4222	1	0.60	1,825	66,551	1,027	1.000	36.47	64.80	1.000	0.99850
4224	1	0.15	1	9	752	0.001	9.00	0.01	1.000	0.99999
4303	1	3.62	12	2,611	930	0.013	217.58	2.81	1.000	0.99994
4311	1	0.82	14	697	789	0.018	49.79	0.88	1.000	0.99998
4312	2	1.25	70	2,653	836	0.084	37.90	3.17	1.000	0.99993
4313	3	3.32	3	199	317	0.009	66.33	0.63	1.000	0.99999
4324	2	1.22	2	73	1,250	0.002	36.50	0.06	1.000	0.99999
4332	2	2.43	303	28,912	302	1.003	95.42	95.74	1.003	0.99778
4341	5	4.61	5	277	1,761	0.003	55.40	0.16	1.000	0.99999
4342	9	8.98	74	8,771	1,734	0.043	118.53	5.06	1.194	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4343	3	1.80	23	564	1,022	0.023	24.52	0.55	1.045	0.99999
4362	1	0.57	83	2,857	825	0.101	34.42	3.46	1.000	0.99992
4363	3	3.65	41	2,851	1,643	0.025	69.54	1.74	1.000	0.99996
4371	7	9.27	33	3,066	1,535	0.021	92.91	2.00	1.031	0.99995
4372	5	4.59	5	275	432	0.012	55.00	0.64	1.667	0.99999
4373	4	7.26	758	60,994	754	1.005	80.47	80.89	1.004	0.99813
4385	2	1.55	2	93	1,114	0.002	46.50	0.08	1.000	0.99999
4431	6	7.07	6	424	1,349	0.004	70.67	0.31	1.000	0.99999
4432	2	1.38	64	2,367	456	0.140	36.98	5.19	1.032	0.99988
4511	2	1.54	117	4,822	1,125	0.104	41.21	4.29	1.000	0.99990
455	1	0.50	167	5,048	167	1.000	30.23	30.23	1.000	0.99930
457	1	0.87	1	52	178	0.006	52.00	0.29	1.000	0.99999
4601	1	1.42	22	1,878	408	0.054	85.36	4.60	1.000	0.99989
4602	1	1.00	59	3,588	941	0.063	60.81	3.81	1.000	0.99991
4692	1	1.13	8	550	482	0.017	68.75	1.14	1.000	0.99997
4714	1	0.63	1	38	324	0.003	38.00	0.12	1.000	0.99999
5601	4	4.55	43	2,741	1,155	0.037	63.74	2.37	1.024	0.99995
5603	4	2.76	83	3,371	1,286	0.065	40.61	2.62	1.000	0.99994
5902	1	0.27	61	1,005	1,004	0.061	16.48	1.00	1.000	0.99998
5904	1	0.98	1	59	1,147	0.001	59.00	0.05	1.000	0.99999
5905	5	6.85	45	2,554	1,849	0.024	56.76	1.38	1.000	0.99997
6021	1	0.63	10	385	1,224	0.008	38.50	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	2	3.73	6	800	632	0.009	133.33	1.27	1.200	0.99997
6142	1	0.88	51	2,703	305	0.167	53.00	8.86	1.000	0.99979
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	395	521.08	18,334	1,502,801	162,617	0.113	81.97	9.24	1.083	0.99979

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2015 to 6/30/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	3.15	52	1,872	1,567	0.033	36.00	1.19	1.000	0.99997
1051	3	4.31	11	1,109	1,070	0.010	100.82	1.04	1.000	0.99998
1052	2	3.02	2	181	1,159	0.002	90.50	0.16	1.000	0.99999
1081	1	0.88	1	53	18	0.056	53.00	2.94	1.000	0.99993
1082	2	2.59	2	155	1,316	0.002	77.50	0.12	1.000	0.99999
1092	1	0.92	1	55	959	0.001	55.00	0.06	1.000	0.99999
1094	1	0.43	11	294	1,228	0.009	26.73	0.24	1.000	0.99999
1101	2	3.00	87	9,282	973	0.089	106.69	9.54	1.012	0.99978
1102	2	4.32	47	1,413	451	0.104	30.06	3.13	1.022	0.99993
1141	2	1.84	76	4,213	900	0.084	55.43	4.68	2.000	0.99989
1142	2	2.24	19	988	215	0.088	52.00	4.60	1.000	0.99989
1211	1	0.58	20	701	1,475	0.014	35.05	0.48	1.000	0.99999
1212	2	2.60	2	156	326	0.006	78.00	0.48	1.000	0.99999
1213	7	7.12	15	1,105	543	0.028	73.67	2.03	1.000	0.99995
1230	4	3.88	128	7,131	1,180	0.108	55.71	6.04	1.455	0.99986
1232	4	5.96	167	13,711	1,176	0.142	82.10	11.66	1.064	0.99973
1233	1	0.80	1	48	639	0.002	48.00	0.08	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	2	3.10	2	186	843	0.002	93.00	0.22	1.000	0.99999
1243	10	7.30	65	5,489	1,189	0.055	84.45	4.62	1.016	0.99989
1265	2	3.88	39	6,180	1,277	0.031	158.46	4.84	1.000	0.99989
1271	1	1.52	1	91	945	0.001	91.00	0.10	1.000	0.99999
1451	1	1.72	15	1,558	510	0.029	103.87	3.05	1.000	0.99993
1452	1	0.57	1	34	447	0.002	34.00	0.08	1.000	0.99999
1453	1	2.12	36	4,575	1,786	0.020	127.08	2.56	1.000	0.99994
1454	2	3.96	2	238	938	0.002	119.00	0.25	1.000	0.99999
1521	3	2.80	18	1,308	356	0.051	72.67	3.67	1.059	0.99991
1523	3	3.15	41	2,326	714	0.057	56.73	3.26	1.000	0.99992
1841	10	5.30	551	33,968	629	0.876	61.65	54.00	1.030	0.99875
1842	1	1.00	46	2,776	280	0.164	60.35	9.91	1.000	0.99977
2091	2	3.11	36	4,159	872	0.041	115.53	4.77	1.029	0.99989
2171	1	0.52	68	2,147	561	0.121	31.57	3.83	1.000	0.99991
2172	1	1.88	1	113	223	0.004	113.00	0.51	1.000	0.99999
2211	4	6.93	6	613	722	0.008	102.17	0.85	1.000	0.99998
2212	3	4.26	21	1,084	1,284	0.016	51.62	0.84	1.050	0.99998
2621	5	9.83	156	16,330	1,156	0.135	104.68	14.13	1.000	0.99967
2711	1	0.77	2	92	253	0.008	46.00	0.36	1.000	0.99999
2951	3	3.86	3	232	1,380	0.002	77.33	0.17	1.000	0.99999
2961	2	1.35	72	3,068	645	0.112	42.61	4.76	1.014	0.99989
2962	1	1.58	1	95	253	0.004	95.00	0.38	1.000	0.99999

HIGHLY CONFIDENTIAL

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3041	1	1.65	1	99	80	0.013	99.00	1.24	1.000	0.99997
3081	1	0.88	570	30,523	567	1.005	53.55	53.83	1.000	0.99875
3121	6	9.41	206	19,706	1,120	0.184	95.66	17.59	1.675	0.99959
3122	4	6.50	45	5,699	843	0.053	126.64	6.76	1.000	0.99984
3123	1	0.52	1	31	1,033	0.001	31.00	0.03	1.000	0.99999
3181	3	2.87	1,204	66,943	719	1.675	55.60	93.11	1.675	0.99784
3221	1	0.60	1	36	1,233	0.001	36.00	0.03	1.000	0.99999
3222	3	2.54	3	152	766	0.004	50.67	0.20	1.000	0.99999
3232	1	0.67	426	17,075	426	1.000	40.08	40.08	1.000	0.99907
3302	1	0.35	20	422	882	0.023	21.10	0.48	1.000	0.99999
3303	2	2.80	28	2,556	978	0.029	91.29	2.61	1.000	0.99994
3305	1	1.30	11	866	18	0.611	78.73	48.11	1.000	0.99889
3311	2	2.22	84	5,571	535	0.157	66.32	10.41	1.024	0.99976
3313	2	1.53	143	6,752	1,252	0.114	47.22	5.39	1.007	0.99988
3315	1	0.80	14	682	1,568	0.009	48.71	0.43	1.000	0.99999
3422	1	0.95	1	57	968	0.001	57.00	0.06	1.000	0.99999
3423	2	0.61	5	115	386	0.013	23.00	0.30	1.000	0.99999
3471	5	4.77	10	461	169	0.059	46.10	2.73	1.000	0.99994
3472	3	2.62	7	511	1,567	0.004	73.00	0.33	1.000	0.99999
3551	3	4.23	35	2,977	1,035	0.034	85.06	2.88	1.029	0.99993
3552	1	0.95	220	12,550	562	0.391	57.05	22.33	1.000	0.99948
3553	2	4.38	11	2,318	1,026	0.011	210.73	2.26	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3591	1	1.35	14	1,144	1,142	0.012	81.71	1.00	1.000	0.99998
3592	5	7.01	197	13,030	1,724	0.114	66.14	7.56	1.082	0.99983
3593	2	1.71	90	4,483	933	0.096	49.81	4.80	1.000	0.99989
3621	1	1.33	1	80	1,554	0.001	80.00	0.05	1.000	0.99999
3661	4	7.79	225	12,639	1,022	0.220	56.17	12.37	1.000	0.99971
3662	1	2.45	1	147	773	0.001	147.00	0.19	1.000	0.99999
3673	1	0.42	1	25	264	0.004	25.00	0.09	1.000	0.99999
3691	2	1.47	1,170	51,036	1,144	1.023	43.62	44.61	1.025	0.99897
3692	2	1.80	26	1,505	407	0.064	57.88	3.70	1.000	0.99991
3701	1	6.80	1	408	479	0.002	408.00	0.85	1.000	0.99998
3702	1	0.62	18	675	604	0.030	37.50	1.12	1.000	0.99997
3751	2	1.72	2	103	870	0.002	51.50	0.12	1.000	0.99999
3871	2	1.80	70	1,965	1,376	0.051	28.07	1.43	1.014	0.99997
3872	2	1.35	3	123	1,068	0.003	41.00	0.12	1.000	0.99999
3873	1	0.93	1	56	792	0.001	56.00	0.07	1.000	0.99999
3878	2	1.60	13	789	777	0.017	60.69	1.02	1.000	0.99998
3891	1	0.63	46	1,750	437	0.105	38.04	4.00	1.000	0.99991
3892	1	1.12	1	67	473	0.002	67.00	0.14	1.000	0.99999
3893	6	5.51	166	11,514	1,098	0.151	69.36	10.49	1.044	0.99976
3901	3	3.88	68	3,401	878	0.077	50.01	3.87	1.046	0.99991
3903	5	2.56	12	371	299	0.040	30.92	1.24	1.091	0.99997
3912	1	0.45	11	306	1,070	0.010	27.82	0.29	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3913	1	1.15	1	69	807	0.001	69.00	0.09	1.000	0.99999
3914	1	0.58	84	2,991	369	0.228	35.61	8.11	1.000	0.99981
3951	1	1.75	35	3,708	911	0.038	105.94	4.07	1.000	0.99991
3952	2	1.30	13	698	1,256	0.010	53.69	0.56	1.000	0.99999
3953	5	5.02	32	2,262	519	0.062	70.69	4.36	1.067	0.99990
3971	3	2.88	58	4,627	662	0.088	79.78	6.99	1.018	0.99984
3981	3	2.53	23	1,341	1,496	0.015	58.30	0.90	1.045	0.99998
3982	4	8.16	320	62,080	1,761	0.182	194.00	35.25	1.000	0.99918
3991	5	4.94	16	718	721	0.022	44.88	1.00	1.000	0.99998
3992	1	4.15	1	249	165	0.006	249.00	1.51	1.000	0.99997
402	1	1.77	1	106	105	0.010	106.00	1.01	1.000	0.99998
4031	2	6.90	694	245,002	693	1.001	353.03	353.54	1.001	0.99182
407	1	0.48	1	29	102	0.010	29.00	0.28	1.000	0.99999
4091	5	12.87	64	8,563	1,142	0.056	133.80	7.50	1.000	0.99983
4092	2	4.21	2	253	428	0.005	126.50	0.59	1.000	0.99999
4101	5	14.76	285	46,112	579	0.492	161.80	79.64	1.000	0.99816
4102	8	9.62	132	8,829	904	0.146	66.89	9.77	1.031	0.99977
4131	2	2.92	2	175	197	0.010	87.50	0.89	1.000	0.99998
4133	1	1.47	33	2,927	630	0.052	88.70	4.65	1.000	0.99989
4134	3	5.92	58	9,427	832	0.070	162.53	11.33	1.018	0.99974
4137	3	2.90	137	9,552	792	0.173	69.72	12.06	1.007	0.99972
4138	2	2.26	2	136	742	0.003	68.00	0.18	2.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	4	4.61	78	8,211	586	0.133	105.27	14.01	1.026	0.99968
4151	2	2.97	1,329	140,282	1,239	1.073	105.55	113.22	1.073	0.99738
4152	1	0.77	1	46	790	0.001	46.00	0.06	1.000	0.99999
4153	1	0.92	1	55	1,299	0.001	55.00	0.04	1.000	0.99999
4154	2	0.97	32	550	1,152	0.028	17.19	0.48	1.000	0.99999
4155	1	1.05	1	63	2,072	0.000	63.00	0.03	1.000	0.99999
4171	1	2.22	28	3,740	675	0.041	133.57	5.54	1.000	0.99987
4172	29	73.44	1,983	92,711	1,701	1.166	46.75	54.50	1.381	0.99874
4173	1	4.55	1	273	623	0.002	273.00	0.44	1.000	0.99999
4182	6	7.16	94	7,609	1,014	0.093	80.95	7.50	1.033	0.99983
4211	2	3.39	972	117,734	691	1.001	121.13	170.38	1.001	0.99606
4212	2	3.01	813	96,987	812	1.001	119.30	119.44	1.001	0.99724
4222	1	0.60	1,825	66,551	1,027	1.000	36.47	64.80	1.000	0.99850
4224	1	0.15	1	9	752	0.001	9.00	0.01	1.000	0.99999
4303	1	3.62	12	2,611	930	0.013	217.58	2.81	1.000	0.99994
4311	1	0.82	14	697	789	0.018	49.79	0.88	1.000	0.99998
4312	2	1.25	70	2,653	836	0.084	37.90	3.17	1.000	0.99993
4313	3	3.32	3	199	317	0.009	66.33	0.63	1.000	0.99999
4324	2	1.22	2	73	1,250	0.002	36.50	0.06	1.000	0.99999
4332	2	2.43	303	28,912	302	1.003	95.42	95.74	1.003	0.99778
4341	5	4.61	5	277	1,761	0.003	55.40	0.16	1.000	0.99999
4342	9	8.98	74	8,771	1,734	0.043	118.53	5.06	1.194	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4343	3	1.80	23	564	1,022	0.023	24.52	0.55	1.045	0.99999
4362	1	0.57	83	2,857	825	0.101	34.42	3.46	1.000	0.99992
4363	3	3.65	41	2,851	1,643	0.025	69.54	1.74	1.000	0.99996
4371	7	9.27	33	3,066	1,535	0.021	92.91	2.00	1.031	0.99995
4372	5	4.59	5	275	432	0.012	55.00	0.64	1.667	0.99999
4373	4	7.26	758	60,994	754	1.005	80.47	80.89	1.004	0.99813
4385	2	1.55	2	93	1,114	0.002	46.50	0.08	1.000	0.99999
4431	6	7.07	6	424	1,349	0.004	70.67	0.31	1.000	0.99999
4432	2	1.38	64	2,367	456	0.140	36.98	5.19	1.032	0.99988
4511	2	1.54	117	4,822	1,125	0.104	41.21	4.29	1.000	0.99990
455	1	0.50	167	5,048	167	1.000	30.23	30.23	1.000	0.99930
457	1	0.87	1	52	178	0.006	52.00	0.29	1.000	0.99999
4601	1	1.42	22	1,878	408	0.054	85.36	4.60	1.000	0.99989
4602	1	1.00	59	3,588	941	0.063	60.81	3.81	1.000	0.99991
4692	1	1.13	8	550	482	0.017	68.75	1.14	1.000	0.99997
4714	1	0.63	1	38	324	0.003	38.00	0.12	1.000	0.99999
5601	4	4.55	43	2,741	1,155	0.037	63.74	2.37	1.024	0.99995
5603	4	2.76	83	3,371	1,286	0.065	40.61	2.62	1.000	0.99994
5902	1	0.27	61	1,005	1,004	0.061	16.48	1.00	1.000	0.99998
5904	1	0.98	1	59	1,147	0.001	59.00	0.05	1.000	0.99999
5905	5	6.85	45	2,554	1,849	0.024	56.76	1.38	1.000	0.99997
6021	1	0.63	10	385	1,224	0.008	38.50	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	2	3.73	6	800	632	0.009	133.33	1.27	1.200	0.99997
6142	1	0.88	51	2,703	305	0.167	53.00	8.86	1.000	0.99979
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	395	521.08	18,334	1,502,801	162,617	0.113	81.97	9.24	1.083	0.99979

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2015 to 7/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	1	3.72	14	3,123	1,573	0.009	223.07	1.99	1.000	0.99996
1051	1	0.65	1	39	1,068	0.001	39.00	0.04	1.000	0.99999
1052	1	1.25	12	911	1,160	0.010	75.92	0.79	1.000	0.99998
1082	4	6.35	17	1,484	1,320	0.013	87.29	1.12	1.063	0.99997
1084	1	1.05	1	63	5	0.200	63.00	12.60	1.000	0.99972
1092	4	5.50	27	3,537	962	0.028	131.00	3.68	1.038	0.99992
1093	4	7.66	4	459	239	0.017	114.75	1.92	1.000	0.99996
1094	1	0.97	1	58	1,230	0.001	58.00	0.05	1.000	0.99999
1102	2	6.68	19	1,676	452	0.042	88.21	3.71	1.056	0.99992
1142	2	3.17	12	1,145	215	0.056	95.42	5.33	2.000	0.99988
1211	4	6.01	29	2,473	1,476	0.020	85.28	1.68	1.261	0.99996
1212	3	3.81	5	464	327	0.015	92.80	1.42	1.250	0.99997
1213	3	4.60	24	2,222	546	0.044	92.58	4.07	1.000	0.99991
1230	2	0.77	18	623	1,180	0.015	34.61	0.53	1.000	0.99999
1232	1	0.75	5	229	1,176	0.004	45.80	0.19	1.000	0.99999
1233	1	0.62	1	37	639	0.002	37.00	0.06	1.000	0.99999
1243	6	7.96	35	3,880	1,192	0.029	110.86	3.26	1.061	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	3	6.55	11	1,601	1,144	0.010	145.55	1.40	1.000	0.99997
1265	1	6.95	1	417	1,280	0.001	417.00	0.33	1.000	0.99999
1282	2	3.04	2	182	984	0.002	91.00	0.18	1.000	0.99999
1285	1	4.08	21	5,156	1,087	0.019	245.52	4.74	1.000	0.99989
1312	3	6.11	46	10,766	926	0.050	234.04	11.63	1.000	0.99974
1452	1	4.87	3	876	448	0.007	292.00	1.96	1.000	0.99996
1453	1	1.78	1	107	1,786	0.001	107.00	0.06	1.000	0.99999
1454	2	3.17	93	11,486	936	0.099	123.51	12.27	1.000	0.99973
1521	1	1.13	1	68	358	0.003	68.00	0.19	1.000	0.99999
1523	4	5.35	41	3,719	716	0.057	90.71	5.19	1.108	0.99988
1841	1	1.22	1	73	634	0.002	73.00	0.12	1.000	0.99999
1842	3	4.18	48	2,506	281	0.171	52.21	8.92	1.021	0.99980
1843	2	6.40	415	50,504	1,082	0.384	121.70	46.68	1.027	0.99895
2051	2	1.25	2	75	162	0.012	37.50	0.46	1.000	0.99999
2052	1	1.25	1	75	85	0.012	75.00	0.88	1.000	0.99998
2091	4	7.98	18	2,457	873	0.021	136.50	2.81	1.000	0.99994
2092	3	6.41	914	63,645	910	1.004	69.63	69.94	1.007	0.99843
2171	1	0.77	20	928	562	0.036	46.40	1.65	1.000	0.99996
2172	2	3.10	15	1,825	224	0.067	121.67	8.15	1.000	0.99982
2212	2	3.32	20	1,674	1,286	0.016	83.70	1.30	1.000	0.99997
2951	7	18.30	210	26,632	1,380	0.152	126.82	19.30	1.243	0.99957
2961	1	1.27	1	76	645	0.002	76.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3121	1	1.67	5	503	1,121	0.004	100.60	0.45	1.000	0.99999
3122	2	4.97	26	3,748	845	0.031	144.15	4.44	1.000	0.99990
3123	1	0.52	11	344	1,038	0.011	31.27	0.33	1.000	0.99999
3181	3	5.09	3	305	720	0.004	101.67	0.42	1.000	0.99999
3221	1	1.98	1	119	1,235	0.001	119.00	0.10	1.000	0.99999
3222	3	3.31	3	199	766	0.004	66.33	0.26	1.500	0.99999
3231	22	24.08	1,215	65,035	413	2.942	53.53	157.47	5.260	0.99647
3232	3	3.08	452	28,022	427	1.059	62.00	65.63	1.061	0.99853
3302	4	5.73	887	119,271	890	0.997	134.47	134.01	1.025	0.99700
3303	1	2.17	978	127,889	978	1.000	130.77	130.77	1.000	0.99707
3311	4	10.38	354	50,985	534	0.663	144.03	95.48	1.311	0.99786
3314	1	1.07	14	906	219	0.064	64.71	4.14	1.000	0.99991
3315	1	2.05	31	3,818	1,570	0.020	123.16	2.43	1.000	0.99995
3422	7	14.79	1,017	106,570	968	1.051	104.79	110.09	1.050	0.99753
3423	6	2.20	8	168	386	0.021	21.00	0.44	1.000	0.99999
3471	8	12.33	1,630	103,611	170	1.196	63.57	609.48	1.196	0.98635
3472	2	1.63	65	4,288	1,570	0.041	65.97	2.73	1.016	0.99994
3552	3	5.39	21	572	564	0.037	27.24	1.01	1.105	0.99998
3553	5	6.19	131	8,615	1,029	0.127	65.76	8.37	1.048	0.99981
3591	1	3.70	6	1,337	1,162	0.005	222.83	1.15	1.000	0.99997
3592	3	4.72	49	4,178	1,732	0.028	85.27	2.41	1.065	0.99995
3621	2	1.55	2	93	1,556	0.001	46.50	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3661	1	1.45	1	87	1,024	0.001	87.00	0.08	1.000	0.99999
3663	1	1.03	1	62	786	0.001	62.00	0.08	1.000	0.99999
3664	2	3.80	84	9,764	519	0.162	116.24	18.81	1.000	0.99958
3671	2	2.70	222	13,784	496	0.448	62.09	27.79	1.028	0.99938
3673	1	0.68	58	2,372	264	0.220	40.90	8.98	1.000	0.99980
3691	2	1.60	16	853	1,150	0.014	53.31	0.74	1.000	0.99998
3692	3	4.97	408	29,041	408	1.000	71.18	71.18	1.218	0.99841
3693	2	2.85	184	11,637	184	1.000	63.24	63.24	1.005	0.99858
3702	2	2.01	2	121	606	0.003	60.50	0.20	1.000	0.99999
3751	2	1.77	3	188	872	0.003	62.67	0.22	1.000	0.99999
3871	2	4.62	59	8,191	1,378	0.043	138.83	5.94	1.000	0.99987
3872	4	3.79	31	1,868	1,068	0.029	60.26	1.75	1.033	0.99996
3878	4	4.47	157	7,887	783	0.201	50.24	10.07	1.006	0.99977
3891	4	3.57	18	879	442	0.041	48.83	1.99	1.125	0.99996
3892	1	3.43	1	206	486	0.002	206.00	0.42	1.000	0.99999
3893	3	3.07	11	627	1,102	0.010	57.00	0.57	1.000	0.99999
3901	2	3.77	28	2,783	879	0.032	99.39	3.17	1.037	0.99993
3903	1	2.12	1	127	298	0.003	127.00	0.43	1.000	0.99999
3913	4	5.66	34	2,084	808	0.042	61.29	2.58	1.000	0.99994
3951	4	6.27	4	376	917	0.004	94.00	0.41	1.000	0.99999
3952	4	3.67	14	454	1,258	0.011	32.43	0.36	1.000	0.99999
3953	1	1.35	1	81	519	0.002	81.00	0.16	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3971	2	3.46	11	1,745	664	0.017	158.64	2.63	1.000	0.99994
3981	4	5.31	47	3,743	1,497	0.031	79.64	2.50	1.000	0.99994
3982	5	9.50	65	7,782	1,762	0.037	119.72	4.42	1.000	0.99990
3991	6	6.42	65	4,029	722	0.090	61.98	5.58	1.354	0.99987
3992	1	2.12	6	762	166	0.036	127.00	4.59	1.000	0.99990
403	1	0.97	1	58	266	0.004	58.00	0.22	1.000	0.99999
4091	1	1.05	17	1,078	1,142	0.015	63.41	0.94	1.000	0.99998
4092	2	4.30	5	325	429	0.012	65.00	0.76	1.000	0.99998
4101	2	5.97	17	1,780	581	0.029	104.71	3.06	1.063	0.99993
4102	4	9.45	2,652	176,553	904	2.934	66.57	195.30	2.937	0.99562
4131	1	0.58	1	35	198	0.005	35.00	0.18	1.000	0.99999
4133	2	2.28	19	999	634	0.030	52.58	1.58	1.056	0.99996
4134	2	3.68	21	2,767	832	0.025	131.76	3.33	1.000	0.99993
4137	3	5.16	12	1,193	793	0.015	99.42	1.50	1.000	0.99997
4138	1	1.65	1	99	741	0.001	99.00	0.13	1.000	0.99999
4141	1	4.12	1	247	82	0.012	247.00	3.01	1.000	0.99993
4142	4	9.12	27	2,479	590	0.046	91.81	4.20	1.174	0.99991
4151	1	0.72	1	43	1,240	0.001	43.00	0.03	1.000	0.99999
4152	1	4.83	38	11,023	803	0.047	290.08	13.73	1.000	0.99969
4153	3	5.25	3	315	1,304	0.002	105.00	0.24	1.500	0.99999
4155	1	1.95	1	117	2,083	0.000	117.00	0.06	1.000	0.99999
4171	1	0.87	1	52	675	0.001	52.00	0.08	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	5	4.87	71	2,954	1,706	0.042	41.61	1.73	1.044	0.99996
4173	2	6.65	43	10,050	626	0.069	233.72	16.05	1.000	0.99964
4181	3	3.16	18	1,204	488	0.037	66.89	2.47	1.125	0.99994
4182	2	2.57	33	2,171	1,016	0.032	65.79	2.14	1.000	0.99995
4222	1	0.35	1	21	1,034	0.001	21.00	0.02	1.000	0.99999
4223	1	0.50	10	303	776	0.013	30.30	0.39	1.000	0.99999
4302	1	3.87	11	2,554	648	0.017	232.18	3.94	1.000	0.99991
4311	1	0.77	1	46	790	0.001	46.00	0.06	1.000	0.99999
4312	1	0.82	1	49	838	0.001	49.00	0.06	1.000	0.99999
4313	3	3.15	282	14,461	318	0.887	51.28	45.47	1.044	0.99898
4332	1	1.63	77	7,610	302	0.255	98.83	25.20	1.000	0.99944
4341	4	10.27	102	21,628	1,770	0.058	212.04	12.22	1.010	0.99973
4343	1	0.73	38	1,686	1,022	0.037	44.37	1.65	1.000	0.99996
4361	2	2.55	33	3,626	792	0.042	109.88	4.58	1.000	0.99990
4363	1	0.90	20	1,084	1,646	0.012	54.20	0.66	1.000	0.99999
4372	2	1.80	53	2,823	436	0.122	53.26	6.47	1.000	0.99985
4373	7	9.29	17	1,007	764	0.022	59.24	1.32	1.133	0.99997
4386	2	5.83	2	350	1,652	0.001	175.00	0.21	1.000	0.99999
4431	17	24.07	1,400	460,348	1,366	1.025	328.82	337.00	1.018	0.99245
4432	13	32.67	498	157,684	458	1.087	316.63	344.29	1.085	0.99229
4511	4	5.65	114	10,181	1,126	0.101	89.31	9.04	1.000	0.99980
455	1	0.92	2	110	167	0.012	55.00	0.66	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	1	1.08	1	65	944	0.001	65.00	0.07	1.000	0.99999
4692	1	0.75	3	135	474	0.006	45.00	0.28	1.000	0.99999
5601	2	2.28	143	10,202	1,156	0.124	71.34	8.83	1.007	0.99980
5602	2	1.27	51	1,898	680	0.075	37.22	2.79	1.020	0.99994
5603	5	6.08	6	479	1,286	0.005	79.83	0.37	1.000	0.99999
5901	2	0.97	15	436	638	0.024	29.07	0.68	1.000	0.99998
5902	1	1.60	200	19,211	1,005	0.199	96.06	19.12	1.000	0.99957
5903	2	1.43	2	86	232	0.009	43.00	0.37	1.000	0.99999
5904	2	2.11	37	2,531	1,173	0.032	68.41	2.16	1.028	0.99995
5905	3	1.58	9	251	1,856	0.005	27.89	0.14	1.000	0.99999
6021	3	2.60	300	31,183	1,243	0.241	103.94	25.09	1.071	0.99944
6022	1	0.35	1	21	490	0.002	21.00	0.04	1.000	0.99999
6141	1	3.38	1	203	632	0.002	203.00	0.32	1.000	0.99999
6142	2	3.33	8	1,049	306	0.026	131.13	3.43	1.000	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	377	587.84	16,973	1,918,243	163,404	0.104	113.02	11.74	1.255	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2015 to 7/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	1	3.72	14	3,123	1,573	0.009	223.07	1.99	1.000	0.99996
1051	1	0.65	1	39	1,068	0.001	39.00	0.04	1.000	0.99999
1052	1	1.25	12	911	1,160	0.010	75.92	0.79	1.000	0.99998
1082	4	6.35	17	1,484	1,320	0.013	87.29	1.12	1.063	0.99997
1084	1	1.05	1	63	5	0.200	63.00	12.60	1.000	0.99972
1092	4	5.50	27	3,537	962	0.028	131.00	3.68	1.038	0.99992
1093	4	7.66	4	459	239	0.017	114.75	1.92	1.000	0.99996
1094	1	0.97	1	58	1,230	0.001	58.00	0.05	1.000	0.99999
1102	2	6.68	19	1,676	452	0.042	88.21	3.71	1.056	0.99992
1142	2	3.17	12	1,145	215	0.056	95.42	5.33	2.000	0.99988
1211	4	6.01	29	2,473	1,476	0.020	85.28	1.68	1.261	0.99996
1212	3	3.81	5	464	327	0.015	92.80	1.42	1.250	0.99997
1213	3	4.60	24	2,222	546	0.044	92.58	4.07	1.000	0.99991
1230	2	0.77	18	623	1,180	0.015	34.61	0.53	1.000	0.99999
1232	1	0.75	5	229	1,176	0.004	45.80	0.19	1.000	0.99999
1233	1	0.62	1	37	639	0.002	37.00	0.06	1.000	0.99999
1243	6	7.96	35	3,880	1,192	0.029	110.86	3.26	1.061	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	3	6.55	11	1,601	1,144	0.010	145.55	1.40	1.000	0.99997
1265	1	6.95	1	417	1,280	0.001	417.00	0.33	1.000	0.99999
1282	2	3.04	2	182	984	0.002	91.00	0.18	1.000	0.99999
1285	1	4.08	21	5,156	1,087	0.019	245.52	4.74	1.000	0.99989
1312	3	6.11	46	10,766	926	0.050	234.04	11.63	1.000	0.99974
1452	1	4.87	3	876	448	0.007	292.00	1.96	1.000	0.99996
1453	1	1.78	1	107	1,786	0.001	107.00	0.06	1.000	0.99999
1454	2	3.17	93	11,486	936	0.099	123.51	12.27	1.000	0.99973
1521	1	1.13	1	68	358	0.003	68.00	0.19	1.000	0.99999
1523	4	5.35	41	3,719	716	0.057	90.71	5.19	1.108	0.99988
1841	1	1.22	1	73	634	0.002	73.00	0.12	1.000	0.99999
1842	3	4.18	48	2,506	281	0.171	52.21	8.92	1.021	0.99980
1843	2	6.40	415	50,504	1,082	0.384	121.70	46.68	1.027	0.99895
2051	2	1.25	2	75	162	0.012	37.50	0.46	1.000	0.99999
2052	1	1.25	1	75	85	0.012	75.00	0.88	1.000	0.99998
2091	4	7.98	18	2,457	873	0.021	136.50	2.81	1.000	0.99994
2092	3	6.41	914	63,645	910	1.004	69.63	69.94	1.007	0.99843
2171	1	0.77	20	928	562	0.036	46.40	1.65	1.000	0.99996
2172	2	3.10	15	1,825	224	0.067	121.67	8.15	1.000	0.99982
2212	2	3.32	20	1,674	1,286	0.016	83.70	1.30	1.000	0.99997
2951	7	18.30	210	26,632	1,380	0.152	126.82	19.30	1.243	0.99957
2961	1	1.27	1	76	645	0.002	76.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3121	1	1.67	5	503	1,121	0.004	100.60	0.45	1.000	0.99999
3122	2	4.97	26	3,748	845	0.031	144.15	4.44	1.000	0.99990
3123	1	0.52	11	344	1,038	0.011	31.27	0.33	1.000	0.99999
3181	3	5.09	3	305	720	0.004	101.67	0.42	1.000	0.99999
3221	1	1.98	1	119	1,235	0.001	119.00	0.10	1.000	0.99999
3222	3	3.31	3	199	766	0.004	66.33	0.26	1.500	0.99999
3231	22	24.08	1,215	65,035	413	2.942	53.53	157.47	5.260	0.99647
3232	3	3.08	452	28,022	427	1.059	62.00	65.63	1.061	0.99853
3302	4	5.73	887	119,271	890	0.997	134.47	134.01	1.025	0.99700
3303	1	2.17	978	127,889	978	1.000	130.77	130.77	1.000	0.99707
3311	4	10.38	354	50,985	534	0.663	144.03	95.48	1.311	0.99786
3314	1	1.07	14	906	219	0.064	64.71	4.14	1.000	0.99991
3315	1	2.05	31	3,818	1,570	0.020	123.16	2.43	1.000	0.99995
3422	7	14.79	1,017	106,570	968	1.051	104.79	110.09	1.050	0.99753
3423	6	2.20	8	168	386	0.021	21.00	0.44	1.000	0.99999
3471	8	12.33	1,630	103,611	170	1.196	63.57	609.48	1.196	0.98635
3472	2	1.63	65	4,288	1,570	0.041	65.97	2.73	1.016	0.99994
3552	3	5.39	21	572	564	0.037	27.24	1.01	1.105	0.99998
3553	5	6.19	131	8,615	1,029	0.127	65.76	8.37	1.048	0.99981
3591	1	3.70	6	1,337	1,162	0.005	222.83	1.15	1.000	0.99997
3592	3	4.72	49	4,178	1,732	0.028	85.27	2.41	1.065	0.99995
3621	2	1.55	2	93	1,556	0.001	46.50	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3661	1	1.45	1	87	1,024	0.001	87.00	0.08	1.000	0.99999
3663	1	1.03	1	62	786	0.001	62.00	0.08	1.000	0.99999
3664	2	3.80	84	9,764	519	0.162	116.24	18.81	1.000	0.99958
3671	2	2.70	222	13,784	496	0.448	62.09	27.79	1.028	0.99938
3673	1	0.68	58	2,372	264	0.220	40.90	8.98	1.000	0.99980
3691	2	1.60	16	853	1,150	0.014	53.31	0.74	1.000	0.99998
3692	3	4.97	408	29,041	408	1.000	71.18	71.18	1.218	0.99841
3693	2	2.85	184	11,637	184	1.000	63.24	63.24	1.005	0.99858
3702	2	2.01	2	121	606	0.003	60.50	0.20	1.000	0.99999
3751	2	1.77	3	188	872	0.003	62.67	0.22	1.000	0.99999
3871	2	4.62	59	8,191	1,378	0.043	138.83	5.94	1.000	0.99987
3872	4	3.79	31	1,868	1,068	0.029	60.26	1.75	1.033	0.99996
3878	4	4.47	157	7,887	783	0.201	50.24	10.07	1.006	0.99977
3891	4	3.57	18	879	442	0.041	48.83	1.99	1.125	0.99996
3892	1	3.43	1	206	486	0.002	206.00	0.42	1.000	0.99999
3893	3	3.07	11	627	1,102	0.010	57.00	0.57	1.000	0.99999
3901	2	3.77	28	2,783	879	0.032	99.39	3.17	1.037	0.99993
3903	1	2.12	1	127	298	0.003	127.00	0.43	1.000	0.99999
3913	4	5.66	34	2,084	808	0.042	61.29	2.58	1.000	0.99994
3951	4	6.27	4	376	917	0.004	94.00	0.41	1.000	0.99999
3952	4	3.67	14	454	1,258	0.011	32.43	0.36	1.000	0.99999
3953	1	1.35	1	81	519	0.002	81.00	0.16	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3971	2	3.46	11	1,745	664	0.017	158.64	2.63	1.000	0.99994
3981	4	5.31	47	3,743	1,497	0.031	79.64	2.50	1.000	0.99994
3982	5	9.50	65	7,782	1,762	0.037	119.72	4.42	1.000	0.99990
3991	6	6.42	65	4,029	722	0.090	61.98	5.58	1.354	0.99987
3992	1	2.12	6	762	166	0.036	127.00	4.59	1.000	0.99990
403	1	0.97	1	58	266	0.004	58.00	0.22	1.000	0.99999
4091	1	1.05	17	1,078	1,142	0.015	63.41	0.94	1.000	0.99998
4092	2	4.30	5	325	429	0.012	65.00	0.76	1.000	0.99998
4101	2	5.97	17	1,780	581	0.029	104.71	3.06	1.063	0.99993
4102	4	9.45	2,652	176,553	904	2.934	66.57	195.30	2.937	0.99562
4131	1	0.58	1	35	198	0.005	35.00	0.18	1.000	0.99999
4133	2	2.28	19	999	634	0.030	52.58	1.58	1.056	0.99996
4134	2	3.68	21	2,767	832	0.025	131.76	3.33	1.000	0.99993
4137	3	5.16	12	1,193	793	0.015	99.42	1.50	1.000	0.99997
4138	1	1.65	1	99	741	0.001	99.00	0.13	1.000	0.99999
4141	1	4.12	1	247	82	0.012	247.00	3.01	1.000	0.99993
4142	4	9.12	27	2,479	590	0.046	91.81	4.20	1.174	0.99991
4151	1	0.72	1	43	1,240	0.001	43.00	0.03	1.000	0.99999
4152	1	4.83	38	11,023	803	0.047	290.08	13.73	1.000	0.99969
4153	3	5.25	3	315	1,304	0.002	105.00	0.24	1.500	0.99999
4155	1	1.95	1	117	2,083	0.000	117.00	0.06	1.000	0.99999
4171	1	0.87	1	52	675	0.001	52.00	0.08	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	5	4.87	71	2,954	1,706	0.042	41.61	1.73	1.044	0.99996
4173	2	6.65	43	10,050	626	0.069	233.72	16.05	1.000	0.99964
4181	3	3.16	18	1,204	488	0.037	66.89	2.47	1.125	0.99994
4182	2	2.57	33	2,171	1,016	0.032	65.79	2.14	1.000	0.99995
4222	1	0.35	1	21	1,034	0.001	21.00	0.02	1.000	0.99999
4223	1	0.50	10	303	776	0.013	30.30	0.39	1.000	0.99999
4302	1	3.87	11	2,554	648	0.017	232.18	3.94	1.000	0.99991
4311	1	0.77	1	46	790	0.001	46.00	0.06	1.000	0.99999
4312	1	0.82	1	49	838	0.001	49.00	0.06	1.000	0.99999
4313	3	3.15	282	14,461	318	0.887	51.28	45.47	1.044	0.99898
4332	1	1.63	77	7,610	302	0.255	98.83	25.20	1.000	0.99944
4341	4	10.27	102	21,628	1,770	0.058	212.04	12.22	1.010	0.99973
4343	1	0.73	38	1,686	1,022	0.037	44.37	1.65	1.000	0.99996
4361	2	2.55	33	3,626	792	0.042	109.88	4.58	1.000	0.99990
4363	1	0.90	20	1,084	1,646	0.012	54.20	0.66	1.000	0.99999
4372	2	1.80	53	2,823	436	0.122	53.26	6.47	1.000	0.99985
4373	7	9.29	17	1,007	764	0.022	59.24	1.32	1.133	0.99997
4386	2	5.83	2	350	1,652	0.001	175.00	0.21	1.000	0.99999
4431	17	24.07	1,400	460,348	1,366	1.025	328.82	337.00	1.018	0.99245
4432	13	32.67	498	157,684	458	1.087	316.63	344.29	1.085	0.99229
4511	4	5.65	114	10,181	1,126	0.101	89.31	9.04	1.000	0.99980
455	1	0.92	2	110	167	0.012	55.00	0.66	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	1	1.08	1	65	944	0.001	65.00	0.07	1.000	0.99999
4692	1	0.75	3	135	474	0.006	45.00	0.28	1.000	0.99999
5601	2	2.28	143	10,202	1,156	0.124	71.34	8.83	1.007	0.99980
5602	2	1.27	51	1,898	680	0.075	37.22	2.79	1.020	0.99994
5603	5	6.08	6	479	1,286	0.005	79.83	0.37	1.000	0.99999
5901	2	0.97	15	436	638	0.024	29.07	0.68	1.000	0.99998
5902	1	1.60	200	19,211	1,005	0.199	96.06	19.12	1.000	0.99957
5903	2	1.43	2	86	232	0.009	43.00	0.37	1.000	0.99999
5904	2	2.11	37	2,531	1,173	0.032	68.41	2.16	1.028	0.99995
5905	3	1.58	9	251	1,856	0.005	27.89	0.14	1.000	0.99999
6021	3	2.60	300	31,183	1,243	0.241	103.94	25.09	1.071	0.99944
6022	1	0.35	1	21	490	0.002	21.00	0.04	1.000	0.99999
6141	1	3.38	1	203	632	0.002	203.00	0.32	1.000	0.99999
6142	2	3.33	8	1,049	306	0.026	131.13	3.43	1.000	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	377	587.84	16,973	1,918,243	163,404	0.104	113.02	11.74	1.255	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2015 to 8/31/2015
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	7	10.08	1,905	210,967	1,579	1.206	110.74	133.61	1.206	0.99701
1051	1	0.63	19	733	1,067	0.018	38.58	0.69	1.000	0.99998
1052	3	2.45	76	2,787	1,162	0.065	36.67	2.40	1.000	0.99995
1082	6	12.57	59	6,083	1,324	0.045	103.10	4.59	1.035	0.99990
1092	10	13.52	48	2,841	965	0.050	59.19	2.94	1.043	0.99993
1093	3	12.42	58	9,770	239	0.243	168.45	40.88	1.018	0.99908
1094	1	0.20	1	12	1,231	0.001	12.00	0.01	1.000	0.99999
1101	3	12.35	3	741	976	0.003	247.00	0.76	1.000	0.99998
1141	4	11.18	60	10,562	902	0.067	176.03	11.71	1.091	0.99974
1142	1	1.57	13	1,227	215	0.060	94.38	5.71	1.000	0.99987
1211	3	6.49	3	390	1,478	0.002	130.00	0.26	1.000	0.99999
1212	2	2.72	3	261	328	0.009	87.00	0.80	1.000	0.99998
1213	5	5.12	5	307	548	0.009	61.40	0.56	1.000	0.99999
1230	6	8.76	95	15,017	1,180	0.081	158.07	12.73	1.218	0.99971
1232	4	16.29	16	5,002	1,176	0.014	312.63	4.25	1.000	0.99990
1241	3	3.26	15	706	845	0.018	47.07	0.84	1.071	0.99998
1242	1	0.98	1	59	678	0.001	59.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	2	2.83	2	170	1,194	0.002	85.00	0.14	1.000	0.99999
1261	1	3.27	1	196	396	0.003	196.00	0.49	1.000	0.99999
1262	2	6.08	2	365	148	0.014	182.50	2.47	1.000	0.99994
1263	2	3.03	28	1,032	1,154	0.024	36.86	0.89	1.000	0.99998
1265	1	3.25	62	12,102	1,284	0.048	195.19	9.43	1.000	0.99979
1271	33	28.40	584	28,336	951	0.614	48.52	29.80	1.106	0.99933
1272	1	1.17	1	70	14	0.071	70.00	5.00	1.000	0.99989
1273	4	4.72	983	43,146	864	1.138	43.89	49.94	1.138	0.99888
1282	5	4.02	106	4,399	1,030	0.103	41.50	4.27	1.019	0.99990
1283	2	1.00	2	60	365	0.005	30.00	0.16	1.000	0.99999
1285	2	5.46	22	6,388	1,088	0.020	290.36	5.87	1.000	0.99987
1311	2	2.38	2	143	272	0.007	71.50	0.53	1.000	0.99999
1312	10	26.53	1,001	80,978	928	1.079	80.90	87.26	1.079	0.99805
1451	1	0.75	518	23,534	518	1.000	45.43	45.43	1.000	0.99898
1452	11	11.91	120	5,502	448	0.268	45.85	12.28	1.034	0.99972
1453	4	2.60	1,790	79,484	1,787	1.002	44.40	44.48	1.002	0.99900
1454	7	6.14	567	24,054	935	0.606	42.42	25.73	1.011	0.99942
1455	11	22.33	246	15,438	381	0.646	62.76	40.52	1.224	0.99909
1521	1	2.12	1	127	359	0.003	127.00	0.35	1.000	0.99999
1523	4	7.23	4	434	719	0.006	108.50	0.60	1.000	0.99999
1841	2	2.33	2	140	639	0.003	70.00	0.22	1.000	0.99999
1843	23	31.23	128	11,724	1,082	0.118	91.59	10.84	1.058	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2052	1	1.03	1	62	85	0.012	62.00	0.73	1.000	0.99998
2092	1	2.33	414	58,215	911	0.454	140.62	63.90	1.000	0.99857
2171	3	2.72	24	1,683	562	0.043	70.13	2.99	1.000	0.99993
2211	3	4.98	3	299	725	0.004	99.67	0.41	1.000	0.99999
2212	8	15.34	36	3,810	1,289	0.028	105.83	2.96	1.125	0.99993
2511	2	2.65	2	159	619	0.003	79.50	0.26	1.000	0.99999
2621	5	6.83	170	20,843	1,162	0.146	122.61	17.94	1.000	0.99960
2622	4	12.86	163	27,936	113	1.442	171.39	247.22	5.621	0.99446
2711	6	28.47	114	23,711	254	0.449	207.99	93.35	1.175	0.99791
2921	3	12.03	3	722	372	0.008	240.67	1.94	1.000	0.99996
2951	6	7.45	26	1,408	1,379	0.019	54.15	1.02	1.083	0.99998
2952	1	1.20	41	2,964	153	0.268	72.29	19.37	1.000	0.99957
2961	5	12.86	54	8,540	645	0.084	158.15	13.24	1.038	0.99970
2962	2	0.76	2	46	256	0.008	23.00	0.18	2.000	0.99999
3041	1	0.92	1	55	80	0.013	55.00	0.69	1.000	0.99998
3121	1	0.70	115	4,868	1,122	0.102	42.33	4.34	1.000	0.99990
3122	4	3.95	78	4,863	847	0.092	62.35	5.74	1.000	0.99987
3123	1	1.97	1	118	1,044	0.001	118.00	0.11	1.000	0.99999
3221	4	7.48	55	4,248	1,237	0.044	77.24	3.43	1.038	0.99992
3222	4	7.29	33	3,191	766	0.043	96.70	4.17	1.435	0.99991
3231	1	1.60	1	96	413	0.002	96.00	0.23	1.000	0.99999
3232	2	3.81	2	229	428	0.005	114.50	0.54	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3302	3	5.31	187	28,474	898	0.208	152.27	31.71	1.011	0.99929
3303	6	33.52	986	187,414	979	1.007	190.08	191.43	6.124	0.99571
3311	1	1.57	66	6,209	533	0.124	94.08	11.65	1.000	0.99974
3422	2	3.30	36	4,008	967	0.037	111.33	4.14	1.000	0.99991
3471	1	6.88	42	17,368	172	0.244	413.52	100.98	1.000	0.99774
3472	7	7.12	122	4,394	1,574	0.078	36.02	2.79	1.043	0.99994
3551	1	1.08	20	1,309	1,036	0.019	65.45	1.26	1.000	0.99997
3552	3	4.02	131	12,253	566	0.231	93.53	21.65	1.048	0.99952
3553	2	2.68	5	577	1,032	0.005	115.40	0.56	1.000	0.99999
3591	2	2.52	2	151	1,182	0.002	75.50	0.13	1.000	0.99999
3592	7	6.85	62	4,446	1,741	0.036	71.71	2.55	1.016	0.99994
3594	3	2.89	74	4,200	668	0.111	56.76	6.29	1.000	0.99986
3621	6	6.44	226	14,506	1,559	0.145	64.19	9.30	1.018	0.99979
3661	3	4.17	138	14,154	1,025	0.135	102.57	13.81	1.007	0.99969
3662	2	1.60	30	1,748	782	0.038	58.27	2.24	1.034	0.99995
3663	3	8.75	81	24,179	789	0.103	298.51	30.65	1.080	0.99931
3664	5	24.15	100	44,156	520	0.192	441.56	84.92	1.031	0.99810
3671	1	0.78	14	671	497	0.028	47.93	1.35	1.000	0.99997
3691	3	3.37	88	7,582	1,156	0.076	86.16	6.56	1.011	0.99985
3694	1	0.65	1	39	1,315	0.001	39.00	0.03	1.000	0.99999
3701	1	2.13	1	128	484	0.002	128.00	0.26	1.000	0.99999
3751	4	2.51	892	25,756	875	1.019	28.87	29.44	1.019	0.99934

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3871	1	0.53	51	1,644	1,380	0.037	32.24	1.19	1.000	0.99997
3872	4	4.21	75	3,193	1,067	0.070	42.57	2.99	1.027	0.99993
3878	5	6.29	5	377	789	0.006	75.40	0.48	1.000	0.99999
3891	3	11.15	35	12,008	448	0.078	343.09	26.80	1.029	0.99940
3892	6	25.95	974	39,624	499	1.952	40.68	79.41	2.033	0.99822
3893	5	10.09	9	1,650	1,107	0.008	183.33	1.49	1.000	0.99997
3894	4	8.72	121	30,572	116	1.043	252.66	263.55	1.043	0.99410
3901	1	2.08	8	1,003	880	0.009	125.38	1.14	1.000	0.99997
3903	1	1.17	1	70	298	0.003	70.00	0.23	1.000	0.99999
3912	1	0.32	12	229	1,133	0.011	19.08	0.20	1.000	0.99999
3913	3	9.64	56	5,877	809	0.069	104.95	7.26	1.000	0.99984
3914	1	0.82	30	1,479	369	0.081	49.30	4.01	1.000	0.99991
3951	2	6.65	25	2,373	923	0.027	94.92	2.57	1.042	0.99994
3952	3	10.51	70	19,455	1,261	0.056	277.93	15.43	1.029	0.99965
3971	2	3.18	2	191	665	0.003	95.50	0.29	1.000	0.99999
3981	9	14.14	53	5,261	1,498	0.035	99.26	3.51	1.060	0.99992
3982	4	3.63	108	5,544	1,763	0.061	51.33	3.14	1.000	0.99993
3991	4	11.48	32	7,502	723	0.044	234.44	10.38	1.000	0.99977
4031	2	2.25	107	5,731	696	0.154	53.56	8.23	1.009	0.99982
4091	2	3.68	40	4,452	1,143	0.035	111.30	3.90	1.026	0.99991
4092	1	0.57	1	34	430	0.002	34.00	0.08	1.000	0.99999
4102	1	1.47	5	442	903	0.006	88.40	0.49	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4132	2	2.92	4	353	565	0.007	88.25	0.62	1.000	0.99999
4133	2	7.76	2	466	639	0.003	233.00	0.73	1.000	0.99998
4134	1	0.98	9	535	833	0.011	59.44	0.64	1.000	0.99999
4136	1	5.52	1	331	669	0.001	331.00	0.49	1.000	0.99999
4141	1	1.73	1	104	82	0.012	104.00	1.27	1.000	0.99997
4142	1	0.42	36	913	593	0.061	25.36	1.54	1.000	0.99997
4151	3	3.87	3	232	1,241	0.002	77.33	0.19	1.000	0.99999
4152	4	8.63	817	105,998	816	1.001	129.74	129.90	1.521	0.99709
4153	2	2.90	14	538	1,309	0.011	38.43	0.41	1.000	0.99999
4154	5	8.85	36	3,888	1,202	0.030	108.00	3.23	1.000	0.99993
4155	1	1.48	38	3,395	2,094	0.018	89.34	1.62	1.000	0.99996
4172	10	16.04	122	10,285	1,711	0.071	84.30	6.01	1.052	0.99987
4173	3	3.97	17	1,258	628	0.027	74.00	2.00	1.000	0.99996
4211	11	20.53	1,005	34,172	697	1.027	34.00	49.03	1.027	0.99890
4212	6	15.29	869	220,564	815	1.066	253.81	270.63	1.066	0.99394
4222	3	4.55	1,929	117,140	1,042	1.043	60.73	112.42	1.043	0.99748
4224	7	36.21	444	159,325	755	0.588	358.84	211.03	1.094	0.99527
4302	2	6.79	4	879	649	0.006	219.75	1.35	1.000	0.99997
4303	3	6.69	174	35,719	951	0.183	205.28	37.56	1.006	0.99916
4311	3	3.67	805	25,043	790	1.019	31.11	31.70	1.019	0.99929
4312	1	0.50	839	25,170	839	1.000	30.00	30.00	1.000	0.99933
4321	1	2.17	4	520	4	1.000	130.00	130.00	1.000	0.99709

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4322	2	2.23	100	12,516	99	1.010	125.16	126.42	1.010	0.99717
4324	5	5.73	4,390	358,527	1,248	3.518	81.67	287.28	3.523	0.99356
4331	3	3.80	305	22,588	301	1.013	74.06	75.04	1.013	0.99832
4334	1	5.82	1	349	300	0.003	349.00	1.16	1.000	0.99997
4341	5	3.43	12	695	1,779	0.007	57.92	0.39	1.091	0.99999
4342	23	52.75	1,576	81,573	1,749	0.901	51.76	46.64	2.150	0.99896
4361	2	1.70	2	102	794	0.003	51.00	0.13	1.000	0.99999
4362	4	10.57	78	28,463	826	0.094	364.91	34.46	1.040	0.99923
4363	3	6.88	66	6,225	1,650	0.040	94.32	3.77	1.015	0.99992
4371	3	4.93	40	2,800	1,538	0.026	70.00	1.82	1.026	0.99996
4372	6	9.01	450	64,181	439	1.025	142.62	146.20	1.025	0.99672
4373	7	11.32	779	99,868	773	1.008	128.20	129.20	1.008	0.99711
4381	1	3.10	1	186	335	0.003	186.00	0.56	1.000	0.99999
4385	1	1.73	1	104	1,109	0.001	104.00	0.09	1.000	0.99999
4386	1	0.70	16	685	1,655	0.010	42.81	0.41	1.000	0.99999
4431	6	9.96	6	598	1,382	0.004	99.67	0.43	1.200	0.99999
4432	1	1.72	1	103	459	0.002	103.00	0.22	1.000	0.99999
4511	7	7.34	1,194	100,261	1,128	1.059	83.97	88.88	1.059	0.99801
4512	1	1.98	2	239	1,006	0.002	119.50	0.24	1.000	0.99999
4513	1	1.90	1	114	674	0.001	114.00	0.17	1.000	0.99999
455	1	4.08	1	245	167	0.006	245.00	1.47	1.000	0.99997
4601	1	1.48	1	89	412	0.002	89.00	0.22	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	2	1.87	87	5,081	947	0.092	58.40	5.37	1.012	0.99988
4692	2	8.90	80	23,436	466	0.172	292.95	50.29	1.013	0.99887
4714	6	11.87	69	24,801	326	0.212	359.43	76.08	1.131	0.99830
5601	2	2.11	41	1,641	1,158	0.035	40.02	1.42	1.025	0.99997
5602	1	1.98	1	119	680	0.001	119.00	0.18	1.000	0.99999
5603	6	9.82	149	10,432	1,287	0.116	70.01	8.11	1.000	0.99982
5641	1	2.23	1	134	322	0.003	134.00	0.42	1.000	0.99999
5901	3	5.97	232	40,568	651	0.356	174.86	62.32	1.031	0.99860
5902	5	8.20	75	7,801	1,006	0.075	104.01	7.75	1.000	0.99983
5904	4	11.98	443	74,627	1,199	0.369	168.46	62.24	1.002	0.99861
5905	4	8.51	759	13,048	1,862	0.408	17.19	7.01	1.065	0.99984
6021	2	3.77	20	1,044	1,262	0.016	52.20	0.83	1.000	0.99998
6023	1	1.62	4	388	126	0.032	97.00	3.08	1.000	0.99993
6141	4	7.54	17	3,278	632	0.027	192.82	5.19	1.000	0.99988
6142	3	2.09	3	125	308	0.010	41.67	0.41	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	598	1,111.51	33,192	3,059,648	164,189	0.202	92.18	18.63	1.260	0.99958

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2015 to 8/31/2015
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	7	10.08	1,905	210,967	1,579	1.206	110.74	133.61	1.206	0.99701
1051	1	0.63	19	733	1,067	0.018	38.58	0.69	1.000	0.99998
1052	3	2.45	76	2,787	1,162	0.065	36.67	2.40	1.000	0.99995
1082	6	12.57	59	6,083	1,324	0.045	103.10	4.59	1.035	0.99990
1092	10	13.52	48	2,841	965	0.050	59.19	2.94	1.043	0.99993
1093	3	12.42	58	9,770	239	0.243	168.45	40.88	1.018	0.99908
1094	1	0.20	1	12	1,231	0.001	12.00	0.01	1.000	0.99999
1101	3	12.35	3	741	976	0.003	247.00	0.76	1.000	0.99998
1141	4	11.18	60	10,562	902	0.067	176.03	11.71	1.091	0.99974
1142	1	1.57	13	1,227	215	0.060	94.38	5.71	1.000	0.99987
1211	3	6.49	3	390	1,478	0.002	130.00	0.26	1.000	0.99999
1212	2	2.72	3	261	328	0.009	87.00	0.80	1.000	0.99998
1213	5	5.12	5	307	548	0.009	61.40	0.56	1.000	0.99999
1230	6	8.76	95	15,017	1,180	0.081	158.07	12.73	1.218	0.99971
1232	4	16.29	16	5,002	1,176	0.014	312.63	4.25	1.000	0.99990
1241	3	3.26	15	706	845	0.018	47.07	0.84	1.071	0.99998
1242	1	0.98	1	59	678	0.001	59.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	2	2.83	2	170	1,194	0.002	85.00	0.14	1.000	0.99999
1261	1	3.27	1	196	396	0.003	196.00	0.49	1.000	0.99999
1262	2	6.08	2	365	148	0.014	182.50	2.47	1.000	0.99994
1263	2	3.03	28	1,032	1,154	0.024	36.86	0.89	1.000	0.99998
1265	1	3.25	62	12,102	1,284	0.048	195.19	9.43	1.000	0.99979
1271	33	28.40	584	28,336	951	0.614	48.52	29.80	1.106	0.99933
1272	1	1.17	1	70	14	0.071	70.00	5.00	1.000	0.99989
1273	4	4.72	983	43,146	864	1.138	43.89	49.94	1.138	0.99888
1282	5	4.02	106	4,399	1,030	0.103	41.50	4.27	1.019	0.99990
1283	2	1.00	2	60	365	0.005	30.00	0.16	1.000	0.99999
1285	2	5.46	22	6,388	1,088	0.020	290.36	5.87	1.000	0.99987
1311	2	2.38	2	143	272	0.007	71.50	0.53	1.000	0.99999
1312	10	26.53	1,001	80,978	928	1.079	80.90	87.26	1.079	0.99805
1451	1	0.75	518	23,534	518	1.000	45.43	45.43	1.000	0.99898
1452	11	11.91	120	5,502	448	0.268	45.85	12.28	1.034	0.99972
1453	4	2.60	1,790	79,484	1,787	1.002	44.40	44.48	1.002	0.99900
1454	7	6.14	567	24,054	935	0.606	42.42	25.73	1.011	0.99942
1455	11	22.33	246	15,438	381	0.646	62.76	40.52	1.224	0.99909
1521	1	2.12	1	127	359	0.003	127.00	0.35	1.000	0.99999
1523	4	7.23	4	434	719	0.006	108.50	0.60	1.000	0.99999
1841	2	2.33	2	140	639	0.003	70.00	0.22	1.000	0.99999
1843	23	31.23	128	11,724	1,082	0.118	91.59	10.84	1.058	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2052	1	1.03	1	62	85	0.012	62.00	0.73	1.000	0.99998
2092	1	2.33	414	58,215	911	0.454	140.62	63.90	1.000	0.99857
2171	3	2.72	24	1,683	562	0.043	70.13	2.99	1.000	0.99993
2211	3	4.98	3	299	725	0.004	99.67	0.41	1.000	0.99999
2212	8	15.34	36	3,810	1,289	0.028	105.83	2.96	1.125	0.99993
2511	2	2.65	2	159	619	0.003	79.50	0.26	1.000	0.99999
2621	5	6.83	170	20,843	1,162	0.146	122.61	17.94	1.000	0.99960
2622	4	12.86	163	27,936	113	1.442	171.39	247.22	5.621	0.99446
2711	6	28.47	114	23,711	254	0.449	207.99	93.35	1.175	0.99791
2921	3	12.03	3	722	372	0.008	240.67	1.94	1.000	0.99996
2951	6	7.45	26	1,408	1,379	0.019	54.15	1.02	1.083	0.99998
2952	1	1.20	41	2,964	153	0.268	72.29	19.37	1.000	0.99957
2961	5	12.86	54	8,540	645	0.084	158.15	13.24	1.038	0.99970
2962	2	0.76	2	46	256	0.008	23.00	0.18	2.000	0.99999
3041	1	0.92	1	55	80	0.013	55.00	0.69	1.000	0.99998
3121	1	0.70	115	4,868	1,122	0.102	42.33	4.34	1.000	0.99990
3122	4	3.95	78	4,863	847	0.092	62.35	5.74	1.000	0.99987
3123	1	1.97	1	118	1,044	0.001	118.00	0.11	1.000	0.99999
3221	4	7.48	55	4,248	1,237	0.044	77.24	3.43	1.038	0.99992
3222	4	7.29	33	3,191	766	0.043	96.70	4.17	1.435	0.99991
3231	1	1.60	1	96	413	0.002	96.00	0.23	1.000	0.99999
3232	2	3.81	2	229	428	0.005	114.50	0.54	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3302	3	5.31	187	28,474	898	0.208	152.27	31.71	1.011	0.99929
3303	6	33.52	986	187,414	979	1.007	190.08	191.43	6.124	0.99571
3311	1	1.57	66	6,209	533	0.124	94.08	11.65	1.000	0.99974
3422	2	3.30	36	4,008	967	0.037	111.33	4.14	1.000	0.99991
3471	1	6.88	42	17,368	172	0.244	413.52	100.98	1.000	0.99774
3472	7	7.12	122	4,394	1,574	0.078	36.02	2.79	1.043	0.99994
3551	1	1.08	20	1,309	1,036	0.019	65.45	1.26	1.000	0.99997
3552	3	4.02	131	12,253	566	0.231	93.53	21.65	1.048	0.99952
3553	2	2.68	5	577	1,032	0.005	115.40	0.56	1.000	0.99999
3591	2	2.52	2	151	1,182	0.002	75.50	0.13	1.000	0.99999
3592	7	6.85	62	4,446	1,741	0.036	71.71	2.55	1.016	0.99994
3594	3	2.89	74	4,200	668	0.111	56.76	6.29	1.000	0.99986
3621	6	6.44	226	14,506	1,559	0.145	64.19	9.30	1.018	0.99979
3661	3	4.17	138	14,154	1,025	0.135	102.57	13.81	1.007	0.99969
3662	2	1.60	30	1,748	782	0.038	58.27	2.24	1.034	0.99995
3663	3	8.75	81	24,179	789	0.103	298.51	30.65	1.080	0.99931
3664	5	24.15	100	44,156	520	0.192	441.56	84.92	1.031	0.99810
3671	1	0.78	14	671	497	0.028	47.93	1.35	1.000	0.99997
3691	3	3.37	88	7,582	1,156	0.076	86.16	6.56	1.011	0.99985
3694	1	0.65	1	39	1,315	0.001	39.00	0.03	1.000	0.99999
3701	1	2.13	1	128	484	0.002	128.00	0.26	1.000	0.99999
3751	4	2.51	892	25,756	875	1.019	28.87	29.44	1.019	0.99934

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3871	1	0.53	51	1,644	1,380	0.037	32.24	1.19	1.000	0.99997
3872	4	4.21	75	3,193	1,067	0.070	42.57	2.99	1.027	0.99993
3878	5	6.29	5	377	789	0.006	75.40	0.48	1.000	0.99999
3891	3	11.15	35	12,008	448	0.078	343.09	26.80	1.029	0.99940
3892	6	25.95	974	39,624	499	1.952	40.68	79.41	2.033	0.99822
3893	5	10.09	9	1,650	1,107	0.008	183.33	1.49	1.000	0.99997
3894	4	8.72	121	30,572	116	1.043	252.66	263.55	1.043	0.99410
3901	1	2.08	8	1,003	880	0.009	125.38	1.14	1.000	0.99997
3903	1	1.17	1	70	298	0.003	70.00	0.23	1.000	0.99999
3912	1	0.32	12	229	1,133	0.011	19.08	0.20	1.000	0.99999
3913	3	9.64	56	5,877	809	0.069	104.95	7.26	1.000	0.99984
3914	1	0.82	30	1,479	369	0.081	49.30	4.01	1.000	0.99991
3951	2	6.65	25	2,373	923	0.027	94.92	2.57	1.042	0.99994
3952	3	10.51	70	19,455	1,261	0.056	277.93	15.43	1.029	0.99965
3971	2	3.18	2	191	665	0.003	95.50	0.29	1.000	0.99999
3981	9	14.14	53	5,261	1,498	0.035	99.26	3.51	1.060	0.99992
3982	4	3.63	108	5,544	1,763	0.061	51.33	3.14	1.000	0.99993
3991	4	11.48	32	7,502	723	0.044	234.44	10.38	1.000	0.99977
4031	2	2.25	107	5,731	696	0.154	53.56	8.23	1.009	0.99982
4091	2	3.68	40	4,452	1,143	0.035	111.30	3.90	1.026	0.99991
4092	1	0.57	1	34	430	0.002	34.00	0.08	1.000	0.99999
4102	1	1.47	5	442	903	0.006	88.40	0.49	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4132	2	2.92	4	353	565	0.007	88.25	0.62	1.000	0.99999
4133	2	7.76	2	466	639	0.003	233.00	0.73	1.000	0.99998
4134	1	0.98	9	535	833	0.011	59.44	0.64	1.000	0.99999
4136	1	5.52	1	331	669	0.001	331.00	0.49	1.000	0.99999
4141	1	1.73	1	104	82	0.012	104.00	1.27	1.000	0.99997
4142	1	0.42	36	913	593	0.061	25.36	1.54	1.000	0.99997
4151	3	3.87	3	232	1,241	0.002	77.33	0.19	1.000	0.99999
4152	4	8.63	817	105,998	816	1.001	129.74	129.90	1.521	0.99709
4153	2	2.90	14	538	1,309	0.011	38.43	0.41	1.000	0.99999
4154	5	8.85	36	3,888	1,202	0.030	108.00	3.23	1.000	0.99993
4155	1	1.48	38	3,395	2,094	0.018	89.34	1.62	1.000	0.99996
4172	10	16.04	122	10,285	1,711	0.071	84.30	6.01	1.052	0.99987
4173	3	3.97	17	1,258	628	0.027	74.00	2.00	1.000	0.99996
4211	11	20.53	1,005	34,172	697	1.027	34.00	49.03	1.027	0.99890
4212	6	15.29	869	220,564	815	1.066	253.81	270.63	1.066	0.99394
4222	3	4.55	1,929	117,140	1,042	1.043	60.73	112.42	1.043	0.99748
4224	7	36.21	444	159,325	755	0.588	358.84	211.03	1.094	0.99527
4302	2	6.79	4	879	649	0.006	219.75	1.35	1.000	0.99997
4303	3	6.69	174	35,719	951	0.183	205.28	37.56	1.006	0.99916
4311	3	3.67	805	25,043	790	1.019	31.11	31.70	1.019	0.99929
4312	1	0.50	839	25,170	839	1.000	30.00	30.00	1.000	0.99933
4321	1	2.17	4	520	4	1.000	130.00	130.00	1.000	0.99709

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4322	2	2.23	100	12,516	99	1.010	125.16	126.42	1.010	0.99717
4324	5	5.73	4,390	358,527	1,248	3.518	81.67	287.28	3.523	0.99356
4331	3	3.80	305	22,588	301	1.013	74.06	75.04	1.013	0.99832
4334	1	5.82	1	349	300	0.003	349.00	1.16	1.000	0.99997
4341	5	3.43	12	695	1,779	0.007	57.92	0.39	1.091	0.99999
4342	23	52.75	1,576	81,573	1,749	0.901	51.76	46.64	2.150	0.99896
4361	2	1.70	2	102	794	0.003	51.00	0.13	1.000	0.99999
4362	4	10.57	78	28,463	826	0.094	364.91	34.46	1.040	0.99923
4363	3	6.88	66	6,225	1,650	0.040	94.32	3.77	1.015	0.99992
4371	3	4.93	40	2,800	1,538	0.026	70.00	1.82	1.026	0.99996
4372	6	9.01	450	64,181	439	1.025	142.62	146.20	1.025	0.99672
4373	7	11.32	779	99,868	773	1.008	128.20	129.20	1.008	0.99711
4381	1	3.10	1	186	335	0.003	186.00	0.56	1.000	0.99999
4385	1	1.73	1	104	1,109	0.001	104.00	0.09	1.000	0.99999
4386	1	0.70	16	685	1,655	0.010	42.81	0.41	1.000	0.99999
4431	6	9.96	6	598	1,382	0.004	99.67	0.43	1.200	0.99999
4432	1	1.72	1	103	459	0.002	103.00	0.22	1.000	0.99999
4511	7	7.34	1,194	100,261	1,128	1.059	83.97	88.88	1.059	0.99801
4512	1	1.98	2	239	1,006	0.002	119.50	0.24	1.000	0.99999
4513	1	1.90	1	114	674	0.001	114.00	0.17	1.000	0.99999
455	1	4.08	1	245	167	0.006	245.00	1.47	1.000	0.99997
4601	1	1.48	1	89	412	0.002	89.00	0.22	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	2	1.87	87	5,081	947	0.092	58.40	5.37	1.012	0.99988
4692	2	8.90	80	23,436	466	0.172	292.95	50.29	1.013	0.99887
4714	6	11.87	69	24,801	326	0.212	359.43	76.08	1.131	0.99830
5601	2	2.11	41	1,641	1,158	0.035	40.02	1.42	1.025	0.99997
5602	1	1.98	1	119	680	0.001	119.00	0.18	1.000	0.99999
5603	6	9.82	149	10,432	1,287	0.116	70.01	8.11	1.000	0.99982
5641	1	2.23	1	134	322	0.003	134.00	0.42	1.000	0.99999
5901	3	5.97	232	40,568	651	0.356	174.86	62.32	1.031	0.99860
5902	5	8.20	75	7,801	1,006	0.075	104.01	7.75	1.000	0.99983
5904	4	11.98	443	74,627	1,199	0.369	168.46	62.24	1.002	0.99861
5905	4	8.51	759	13,048	1,862	0.408	17.19	7.01	1.065	0.99984
6021	2	3.77	20	1,044	1,262	0.016	52.20	0.83	1.000	0.99998
6023	1	1.62	4	388	126	0.032	97.00	3.08	1.000	0.99993
6141	4	7.54	17	3,278	632	0.027	192.82	5.19	1.000	0.99988
6142	3	2.09	3	125	308	0.010	41.67	0.41	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	598	1,111.51	33,192	3,059,648	164,189	0.202	92.18	18.63	1.260	0.99958