



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 2013 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 1366-2003, 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.



2013 Multi-Year Worst Performing Circuits

Empire has identified eight 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 2013 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

Multi-Year Worst Performing Circuits SAIFI 2011 - 2013				
Location	Circuit Number	2013	2012	2011
Joplin - Atlas Junction	1091	5.779	4.059	3.874
Joplin - 24th Street	4221	4.792	3.443	1.279
Joplin - Southeast	3914	4.369	4.519	2.932
Joplin - Fir Road	4172	3.879	5.034	3.839
Gateway Drive	1265	3.256	0.705	4.801
Neosho - East	3981	1.968	3.280	4.489
Joplin - 2nd & Division	1230	1.340	3.536	5.810
Joplin - Northeast	1282	0.796	4.335	4.596

**Circuit: 1091****Area Served: Joplin, Missouri****2013 SAIFI: 5.779****2012 SAIFI: 4.059**

Circuit 1091 was scheduled for a circuit sectionalization and coordination project in 2012 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 1091 was selected for mitigation due to its SAIFI performance during 2011 and construction was completed in 2012. 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.

Circuit 1091 was modified in 2013 to improve the service reliability for the town of Duenweg. Approximately 78 miles of circuit exposure was shifted from circuit 1091 to a reconfigured 1092 circuit. The modification reduced the total circuit exposure to 22 miles from the previous 100 miles.

Vegetation clearing on circuit 1091 is scheduled for 2014.

Circuit 1091 was intrusively inspected in 2012. Due to the large number of reject poles identified, pole replacements are currently ongoing and are scheduled to be completed in 2014. The circuit also received overhead and underground detail inspections in 2011 and 2012 respectively. This circuit is scheduled to receive a visual inspection in 2017. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Empire will continue to monitor the performance of circuit 1091 and evaluate cost effective solutions to further improve service reliability.



Circuit: 4221

Area Served: Joplin, Missouri

2013 SAIFI: 4.792

2012 SAIFI: 3.443

This circuit is scheduled to receive a visual inspection in 2014 and a comprehensive intrusive 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 2011 and is scheduled again for 2017.

Circuit 4221 was scheduled for a circuit sectionalization and coordination project in 2013 as a result of Empire's ongoing Worst Performing Circuit mitigation program. 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.

The construction of a new 69/12kV substation in 2014 near the intersection of 50th Street and Connecticut Street in Joplin, MO will affect circuit 4221. Substation #469 – Silvercreek was constructed due to additional load demands of Mercy Hospital and surrounding support facilities. Existing distribution facilities were upgraded to accommodate this new substation and additional distribution circuits will be sourced from #469 – Silvercreek. A portion of circuit 4221 will be reconfigured to be served by circuit 4692 from #469 – Silvercreek. The addition of the Silvercreek substation allows for reduced exposure, upgraded facilities and additional restoration capabilities in the event of an interruption.



Circuit: 3914

Area Served: Joplin, Missouri

2013 SAIFI: 4.369

2012 SAIFI: 4.519

This circuit received an infrared inspection in 2010 and a visual inspection in 2013. A comprehensive intrusive inspection is scheduled 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 2014.

Circuit 3914 was scheduled for a circuit sectionalization and coordination project in 2012 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 3914 was selected for mitigation due to its SAIFI performance during 2011 and construction was completed in 2012. 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.

The construction of a new 69/12kV substation at the intersection of Kodiak and FF Hwy in Joplin, MO will affect circuit 3914. Substation #471 – Kodiak was constructed due to additional load demand within the Crossroads industrial park as several new light industries are constructing facilities. Existing distribution facilities were upgraded to accommodate this new substation and additional distribution circuits will be sourced from #471 – Kodiak. A portion of circuit 3914 will be reconfigured to be served by multiple circuits from #471 – Kodiak. Approximately 10.47 miles of the existing circuit 3914 will be served by #471 – Kodiak once the construction is complete. The addition of the Kodiak substation allows for reduced exposure, upgraded facilities and additional restoration capabilities in the event of an interruption.

**Circuit: 4172****Area Served: Joplin, Missouri****2013 SAIFI: 3.879****2012 SAIFI: 5.034**

This circuit received a visual inspection in 2012 and is scheduled to receive a comprehensive intrusive inspection in 2018. 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.

Circuit 4172 was scheduled for a circuit sectionalization and coordination project in 2010 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 4172 served as one of the pilot circuits for the implementation of the sectionalization and coordination program. Through the lessons learned during the pilot process, an additional pass was made in 2013 to further sectionalize and coordinate the circuit. 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 4172 and evaluate cost effective solutions to further improve service reliability.

Circuit: 1265**Area Served: Joplin, Missouri****2013 SAIFI: 3.256****2011 SAIFI: 4.801**

This circuit received a comprehensive inspection in 2011 and a visual inspection in 2012. An infrared 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 2011 and is scheduled again for 2015.

Circuit 1265 was scheduled for a circuit sectionalization and coordination project in 2013 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 1265 was selected for mitigation due to its SAIFI performance during 2011 and construction was completed in 2013. 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.



Circuit: 3981

Area Served: Neosho, Missouri

2012 SAIFI: 3.280

2011 SAIFI: 4.489

This circuit received an infrared inspection in 2011 and is scheduled to receive a visual inspection and a comprehensive intrusive 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 2013 and is scheduled again for 2016.

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

Circuit: 1230

Area Served: Joplin, Missouri

2012 SAIFI: 3.536

2011 SAIFI: 5.810

This circuit received an infrared inspection and a comprehensive intrusive inspection in 2010. This circuit is scheduled to receive a visual inspection in 2014. 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 2015.

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

Circuit: 1282

Area Served: Joplin, Missouri

2012 SAIFI: 4.335

2011 SAIFI: 4.596

This circuit received an infrared inspection in 2011 and a comprehensive intrusive inspection in 2012. A visual inspection is scheduled 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 2015.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2014.



2013 Worst Performing Circuits

The table below lists the 2013 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 2013 Measured by SAIFI										
Location	Circuit Number	Number Of Outages	Outage Hours Reported	Customer Outage Minutes	Customers Affected	Total Cust On Affected Circuits	AREA	SAIFI	SAIDI	CAIDI
Granby - North	3472	74	93.66	921,923	10458	1555	216	6.727	593.02	88.15
Joplin - 24th Street	4222	34	140.24	508,295	6927	1058	214	6.550	480.63	73.38
Joplin - Atlas Junction	1091	40	199.46	441,145	4896	847	215	5.779	520.71	90.10
Diamond - H.T.	1311	15	32.63	278,666	1513	268	216	5.655	1041.53	184.18
Joplin - 24th Street	4221	35	56.22	219,313	2342	489	214	4.792	448.77	93.64
Carl Junction -	3662	45	114.86	879,558	5012	1065	215	4.705	825.68	175.49
Granby - North	3471	22	26.14	69,110	748	164	216	4.564	421.72	92.39
Carthage - Southwest	3952	39	126.07	1,487,054	5531	1226	215	4.513	1213.43	268.86
Carthage - Southwest	3951	54	147.46	549,275	4146	923	215	4.494	595.39	132.48
Joplin - Southeast	3914	54	71.56	145,472	2861	655	214	4.369	222.13	50.85
Joplin - Fir Road	4172	63	126.38	1,454,284	6481	1671	215	3.879	870.52	224.39
Diamond - H.T.	1312	41	71.69	331,966	3267	915	216	3.570	362.73	101.61
Joplin - 10th Street	405	1	0.53	4,802	150	43	214	3.488	111.67	32.01
Gateway Drive	1265	26	61.11	330,119	4140	1271	214	3.256	259.64	79.74

Circuit: 3472

Area Served: Granby, Missouri

SAIFI: 6.727

This circuit received a comprehensive intrusive inspection in 2013. This circuit is scheduled to receive a visual inspection in 2014 and an infrared 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 2013 and is scheduled again for 2016.

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



Circuit: 4222
Area Served: Joplin, Missouri
SAIFI: 6.550

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 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 2013 and is scheduled again for 2014.

A coordination study and sectionalizing corrective action program is scheduled to be completed in 2015.

Circuit: 1091
Area Served: Joplin, Missouri
SAIFI: 5.779

Circuit 1091 was scheduled for a circuit sectionalization and coordination project in 2012 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 1091 was selected for mitigation due to its SAIFI performance during 2011 and construction was completed in 2012. 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.

Circuit 1091 was modified in 2013 to improve the service reliability for the town of Duenweg. Approximately 78 miles of circuit exposure was shifted from circuit 1091 to a reconfigured 1092 circuit. The modification reduced the total circuit exposure to 22 miles from the previous 100 miles.

Vegetation clearing on circuit 1091 is scheduled for 2014.

Circuit 1091 was intrusively inspected in 2012. Due to the large number of reject poles identified, pole replacements are currently ongoing and are scheduled to be completed in 2014. The circuit also received overhead and underground detail inspections in 2011 and 2012 respectively. This circuit is scheduled to receive a visual inspection in 2017. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Empire will continue to monitor the performance of circuit 1091 and evaluate cost effective solutions to further improve service reliability.

**Circuit: 1311****Area Served: Diamond, Missouri****SAIFI: 5.655**

This circuit received a comprehensive intrusive inspection in 2009 and a visual inspection in 2010. This circuit 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 2012 and is scheduled again for 2015.

Circuit: 4221**Area Served: Joplin, Missouri****SAIFI: 4.792**

This circuit is scheduled to receive a visual inspection in 2014 and a comprehensive intrusive 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 2011 and is scheduled again for 2017.

Circuit 4221 was scheduled for a circuit sectionalization and coordination project in 2013 as a result of Empire's ongoing Worst Performing Circuit mitigation program. 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.

The construction of a new 69/12kV substation in 2014 near the intersection of 50th Street and Connecticut Street in Joplin, MO will affect circuit 422-1. Substation #469 – Silvercreek was constructed due to additional load demands of Mercy Hospital and surrounding support facilities. Existing distribution facilities were upgraded to accommodate this new substation and additional distribution circuits will be sourced from #469 – Silvercreek. A portion of circuit 4221 will be reconfigured to be served by circuit 469-2 from #469 – Silvercreek. The addition of the Silvercreek substation allows for reduced exposure, upgraded facilities and additional restoration capabilities in the event of an interruption.



Circuit: 3662
Area Served: Carl Junction, Missouri
SAIFI: 4.705

This circuit received a visual inspection in 2013. This circuit is scheduled to receive a comprehensive intrusive inspection in 2015 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 2012 and is scheduled again for 2015.

A coordination study and sectionalizing corrective action program is scheduled to be completed in 2015.

Circuit: 3471
Area Served: Granby, Missouri
SAIFI: 4.564

This circuit received a visual inspection in 2010. This circuit is scheduled to receive a comprehensive intrusive inspection in 2014 and 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 is scheduled to be completed in 2015.

Circuit: 3952
Area Served: Carthage, Missouri
SAIFI: 4.513

This circuit is scheduled to receive an infrared inspection in 2014 and a comprehensive intrusive 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 2011 and is scheduled again for 2014.

A coordination study and sectionalizing corrective action program is scheduled to be completed in 2014.

**Circuit: 3951****Area Served: Carthage, Missouri****SAIFI: 4.494**

This circuit is scheduled to receive a visual inspection in 2014, a comprehensive intrusive inspection in 2016 and an infrared 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 2013 and is scheduled again for 2016.

A coordination study and sectionalizing corrective action program is scheduled to be completed in 2015.

Circuit: 3914**Area Served: Joplin, Missouri****SAIFI: 4.369**

This circuit received an infrared inspection in 2010 and a visual inspection in 2013. A comprehensive intrusive inspection is scheduled 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 2014.

Circuit 3914 was scheduled for a circuit sectionalization and coordination project in 2012 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 3914 was selected for mitigation due to its SAIFI performance during 2011 and construction was completed in 2012. 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.

The construction of a new 69/12kV substation at the intersection of Kodiak and FF Hwy in Joplin, MO will affect circuit 3914. Substation #471 – Kodiak was constructed due to additional load demand within the Crossroads industrial park as several new light industries are constructing facilities. Existing distribution facilities were upgraded to accommodate this new substation and additional distribution circuits will be sourced from #471 – Kodiak. A portion of circuit 3914 will be reconfigured to be served by multiple circuits from #471 – Kodiak. Approximately 10.47 miles of the existing circuit 391-4 will be served by #471 – Kodiak once the construction is complete. The addition of the Kodiak substation allows for reduced exposure, upgraded facilities and additional restoration capabilities in the event of an interruption.



Circuit: 4172
Area Served: Joplin, Missouri
SAIFI: 3.879

This circuit received a visual inspection in 2012 and is scheduled to receive a comprehensive intrusive inspection in 2018. 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.

Circuit 4172 was scheduled for a circuit sectionalization and coordination project in 2010 as a result of Empire's ongoing Worst Performing Circuit mitigation program. Circuit 4172 served as one of the pilot circuits for the implementation of the sectionalization and coordination program. Through the lessons learned during the pilot process, an additional pass was made in 2013 to further sectionalize and coordinate the circuit. 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 4172 and evaluate cost effective solutions to further improve service reliability.

Circuit: 1312
Area Served: Diamond, Missouri
SAIFI: 3.570

This circuit received a comprehensive intrusive inspection in 2009 and an infrared inspection in 2010. This circuit is scheduled to receive a visual 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 2012 and is scheduled again for 2015.

A coordination study and sectionalizing corrective action program is scheduled to be completed in 2014.

Circuit: 405
Area Served: Joplin, Missouri
SAIFI: 3.488

This circuit received a comprehensive intrusive inspection in 2009 and a visual inspection in 2010. This circuit is scheduled to receive an infrared inspection in 2014. 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 2015.



Circuit: 1265

Area Served: Joplin, Missouri

SAIFI: 3.256

This circuit received a comprehensive inspection in 2011 and a visual inspection in 2012. An infrared 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 2011 and is scheduled again for 2015.

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

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2013 to 1/31/2013
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
1082	1	1.25	8	604	1,292	0.006	75.50	0.47	1.000	0.99999
1091	1	1.53	1	92	1,645	0.001	92.00	0.06	1.000	0.99999
1092	1	0.97	1	58	1,175	0.001	58.00	0.05	1.000	0.99999
1093	1	1.02	1	61	228	0.004	61.00	0.27	1.000	0.99999
1094	1	0.23	12	163	1,108	0.011	13.58	0.15	1.000	0.99999
1141	1	1.33	28	2,257	899	0.031	80.61	2.51	1.000	0.99994
1211	1	0.83	62	3,112	1,466	0.042	50.19	2.12	1.000	0.99995
1212	3	3.95	4	359	324	0.012	89.75	1.11	1.000	0.99998
1213	1	0.62	26	971	541	0.048	37.35	1.79	1.000	0.99996
1232	1	1.93	307	35,693	1,176	0.261	116.26	30.35	1.000	0.99932
1241	1	0.98	10	592	835	0.012	59.20	0.71	1.000	0.99998
1262	5	0.82	74	897	223	0.332	12.12	4.02	1.000	0.99991
1265	1	0.52	1,267	40,185	1,267	1.000	31.72	31.72	1.000	0.99929
1271	1	1.25	14	1,058	927	0.015	75.57	1.14	1.000	0.99997
1273	2	2.23	2	134	864	0.002	67.00	0.16	1.000	0.99999
1282	1	0.60	33	1,184	911	0.036	35.88	1.30	1.000	0.99997
1311	1	2.22	75	9,993	267	0.281	133.24	37.43	1.000	0.99916

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1451	1	1.45	1	87	507	0.002	87.00	0.17	1.000	0.99999
1523	2	2.33	2	140	705	0.003	70.00	0.20	1.000	0.99999
1843	2	2.15	11	604	1,073	0.010	54.91	0.56	1.000	0.99999
2091	1	1.15	24	1,674	870	0.028	69.75	1.92	1.000	0.99996
2172	1	0.38	1	23	218	0.005	23.00	0.11	1.000	0.99999
2212	3	3.58	3	215	1,259	0.002	71.67	0.17	1.000	0.99999
2511	14	8.60	46	1,992	609	0.076	43.30	3.27	1.000	0.99993
2951	1	0.67	1	40	1,365	0.001	40.00	0.03	1.000	0.99999
2961	1	1.30	18	1,404	649	0.028	78.00	2.16	1.000	0.99995
2962	1	1.13	1	68	252	0.004	68.00	0.27	1.000	0.99999
3121	1	0.57	1	34	1,107	0.001	34.00	0.03	1.000	0.99999
3122	1	2.53	6	913	838	0.007	152.17	1.09	1.000	0.99998
3123	1	1.53	1	92	1,025	0.001	92.00	0.09	1.000	0.99999
3221	3	6.82	101	11,991	1,226	0.082	118.72	9.78	2.020	0.99978
3222	1	0.92	6	305	762	0.008	50.83	0.40	1.000	0.99999
3231	1	1.43	1	86	410	0.002	86.00	0.21	1.000	0.99999
3232	4	2.77	16	707	421	0.038	44.19	1.68	1.143	0.99996
3315	1	1.82	2	218	1,566	0.001	109.00	0.14	1.000	0.99999
3472	2	1.13	1,628	64,101	1,553	1.048	39.37	41.28	1.046	0.99908
3551	3	3.33	33	1,350	1,011	0.033	40.91	1.34	1.000	0.99997
3552	1	0.92	1	55	571	0.002	55.00	0.10	1.000	0.99999
3593	1	0.53	1	32	932	0.001	32.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3621	1	0.97	1	58	1,538	0.001	58.00	0.04	1.000	0.99999
3661	3	3.62	1,179	176,939	1,109	1.063	150.08	159.55	1.063	0.99643
3662	3	10.14	2,265	641,129	1,132	2.001	283.06	566.37	1.547	0.98731
3663	3	1.75	63	2,510	783	0.080	39.84	3.21	1.000	0.99993
3691	1	2.73	4	656	1,142	0.004	164.00	0.57	1.000	0.99999
3701	1	0.72	1	43	477	0.002	43.00	0.09	1.000	0.99999
3702	3	7.97	13	2,451	594	0.022	188.54	4.13	1.083	0.99991
3751	1	1.62	1	97	862	0.001	97.00	0.11	1.000	0.99999
3873	1	1.50	1	90	788	0.001	90.00	0.11	1.000	0.99999
3878	1	1.47	1	88	775	0.001	88.00	0.11	1.000	0.99999
3893	5	8.64	19	1,886	1,089	0.017	99.26	1.73	1.727	0.99996
3914	2	1.77	2	106	645	0.003	53.00	0.16	1.000	0.99999
3951	3	1.83	132	5,449	1,073	0.123	41.28	5.08	1.031	0.99989
3971	2	3.37	18	2,187	651	0.028	121.50	3.36	1.059	0.99992
3981	1	0.62	1	37	1,480	0.001	37.00	0.03	1.000	0.99999
3982	2	4.16	23	2,151	1,748	0.013	93.52	1.23	1.000	0.99997
3992	2	3.15	2	189	162	0.012	94.50	1.17	1.000	0.99997
403	1	1.73	1	104	261	0.004	104.00	0.40	1.000	0.99999
4091	1	0.48	1	29	1,138	0.001	29.00	0.03	1.000	0.99999
4101	1	0.77	14	646	578	0.024	46.14	1.12	1.000	0.99997
4102	1	1.10	1	66	894	0.001	66.00	0.07	1.000	0.99999
4137	1	0.32	55	1,076	784	0.070	19.56	1.37	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4141	5	8.40	5	504	81	0.062	100.80	6.22	1.000	0.99986
4142	3	11.74	587	70,832	585	1.003	120.67	121.08	1.003	0.99729
4153	1	0.55	13	435	1,285	0.010	33.46	0.34	1.000	0.99999
4172	2	2.43	36	2,061	1,660	0.022	57.25	1.24	1.029	0.99997
4173	1	1.63	1	98	614	0.002	98.00	0.16	1.000	0.99999
4182	1	0.48	44	1,307	1,004	0.044	29.70	1.30	1.000	0.99997
4212	1	0.93	36	2,033	801	0.045	56.47	2.54	1.000	0.99994
4221	1	0.63	1	38	484	0.002	38.00	0.08	1.000	0.99999
4222	8	7.41	2,789	48,070	1,370	2.036	17.24	35.09	2.036	0.99921
4223	4	3.06	40	1,034	1,631	0.025	25.85	0.63	1.026	0.99999
4224	1	0.52	750	23,612	750	1.000	31.48	31.48	1.000	0.99929
4311	2	3.22	7	693	1,253	0.006	99.00	0.55	1.000	0.99999
4313	1	2.08	1	125	550	0.002	125.00	0.23	1.000	0.99999
4324	6	4.25	21	1,484	1,141	0.018	70.67	1.30	1.000	0.99997
4331	1	0.33	1	20	297	0.003	20.00	0.07	1.000	0.99999
4341	2	2.70	13	804	1,729	0.008	61.85	0.47	1.083	0.99999
4342	2	1.72	1,708	32,773	1,707	1.001	19.19	19.20	1.001	0.99957
4343	2	2.20	991	61,010	1,015	0.976	61.56	60.11	1.018	0.99865
4361	2	3.81	2	229	1,631	0.001	114.50	0.14	1.000	0.99999
4363	2	2.61	19	1,216	1,567	0.012	64.00	0.78	1.056	0.99998
4371	1	1.48	3	268	1,523	0.002	89.33	0.18	1.000	0.99999
4373	3	6.10	15	2,415	749	0.020	161.00	3.22	1.000	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4431	3	7.52	197	22,122	1,346	0.146	112.29	16.44	1.000	0.99963
4513	1	2.27	1	136	614	0.002	136.00	0.22	1.000	0.99999
4601	1	2.77	1	166	406	0.002	166.00	0.41	1.000	0.99999
5905	1	0.52	11	351	1,768	0.006	31.91	0.20	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	169	211.11	14,921	1,295,367	159,454	0.094	86.82	8.12	1.197	0.99982

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2013 to 2/28/2013
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
1082	1	0.97	1	58	1,292	0.001	58.00	0.04	1.000	0.99999
1091	3	6.31	89	16,578	1,176	0.076	186.27	14.10	1.060	0.99965
1092	3	2.68	3	161	1,056	0.003	53.67	0.15	1.000	0.99999
1094	1	3.28	1	197	1,108	0.001	197.00	0.18	1.000	0.99999
1211	1	0.75	1	45	1,466	0.001	45.00	0.03	1.000	0.99999
1232	1	4.52	1	271	1,176	0.001	271.00	0.23	1.000	0.99999
1233	1	0.70	1	42	638	0.002	42.00	0.07	1.000	0.99999
1243	1	1.28	1	77	1,190	0.001	77.00	0.06	1.000	0.99999
1261	1	4.13	385	95,512	385	1.000	248.08	248.08	1.000	0.99385
1262	4	4.67	36	1,856	177	0.203	51.56	10.49	1.000	0.99974
1263	1	1.15	9	628	1,053	0.009	69.78	0.60	1.000	0.99999
1265	3	3.36	1,269	153,198	1,267	1.002	120.72	120.91	1.002	0.99700
1267	2	2.78	78	9,503	77	1.013	121.83	123.42	1.013	0.99694
1271	4	6.38	10	584	927	0.011	58.40	0.63	1.111	0.99998
1284	1	2.18	254	33,498	853	0.298	131.88	39.27	1.000	0.99903
1312	4	3.65	44	2,046	913	0.048	46.50	2.24	1.222	0.99994
1452	2	4.74	21	3,224	450	0.047	153.52	7.16	1.000	0.99982

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1454	1	2.80	1	168	907	0.001	168.00	0.19	1.000	0.99999
1455	1	1.12	1	67	352	0.003	67.00	0.19	1.000	0.99999
1521	1	2.70	1	162	353	0.003	162.00	0.46	1.000	0.99999
1522	1	1.63	1	98	100	0.010	98.00	0.98	1.000	0.99998
1523	1	1.07	1	64	705	0.001	64.00	0.09	1.000	0.99999
1842	1	2.17	16	2,082	275	0.058	130.13	7.57	1.000	0.99981
1843	10	6.24	248	27,594	1,073	0.231	111.27	25.72	1.033	0.99936
2091	1	1.55	7	653	870	0.008	93.29	0.75	1.000	0.99998
2092	2	3.55	11	1,162	901	0.012	105.64	1.29	1.100	0.99997
2171	1	0.75	1	45	552	0.002	45.00	0.08	1.000	0.99999
2491	1	3.42	16	3,284	62	0.258	205.25	52.97	1.000	0.99869
2501	1	2.42	78	11,385	78	1.000	145.96	145.96	1.000	0.99638
2621	1	3.58	1	215	1,137	0.001	215.00	0.19	1.000	0.99999
2921	6	10.90	6	654	404	0.015	109.00	1.62	1.000	0.99996
2951	3	4.88	10	1,030	1,364	0.007	103.00	0.76	1.111	0.99998
2961	1	0.90	18	983	649	0.028	54.61	1.51	1.000	0.99996
3181	2	3.04	160	15,960	711	0.225	99.75	22.45	1.000	0.99944
3221	1	0.65	57	2,253	1,226	0.046	39.53	1.84	1.000	0.99995
3231	1	1.35	40	3,274	410	0.098	81.85	7.99	1.000	0.99980
3232	1	1.00	12	727	421	0.029	60.58	1.73	1.000	0.99996
3303	1	4.62	1	277	976	0.001	277.00	0.28	1.000	0.99999
3421	1	0.73	1	44	279	0.004	44.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3422	1	2.97	1	178	964	0.001	178.00	0.18	1.000	0.99999
3423	1	3.35	3	603	380	0.008	201.00	1.59	1.000	0.99996
3471	1	1.42	1	85	163	0.006	85.00	0.52	1.000	0.99999
3472	1	0.80	1	48	1,553	0.001	48.00	0.03	1.000	0.99999
3553	2	2.15	18	1,828	1,024	0.018	101.56	1.79	1.059	0.99996
3592	3	3.10	3	186	1,704	0.002	62.00	0.11	1.000	0.99999
3594	2	3.05	12	1,075	631	0.019	89.58	1.70	1.000	0.99996
3621	1	0.58	6	211	1,538	0.004	35.17	0.14	1.000	0.99999
3661	1	1.65	21	2,089	1,109	0.019	99.48	1.88	1.000	0.99995
3662	5	2.80	29	983	1,132	0.026	33.90	0.87	1.115	0.99998
3663	2	6.31	4	1,044	783	0.005	261.00	1.33	1.000	0.99997
3691	1	0.87	18	949	1,142	0.016	52.72	0.83	1.000	0.99998
3873	3	2.99	803	63,422	788	1.019	78.98	80.48	1.019	0.99800
3891	1	0.55	4	135	421	0.010	33.75	0.32	1.000	0.99999
3892	1	1.93	1	116	464	0.002	116.00	0.25	1.000	0.99999
3893	3	5.15	77	13,924	1,088	0.071	180.83	12.80	1.055	0.99968
3894	1	1.50	22	1,985	116	0.190	90.23	17.11	1.000	0.99958
3903	1	1.70	75	7,711	286	0.262	102.81	26.96	1.000	0.99933
3913	2	3.24	18	839	946	0.019	46.61	0.89	1.000	0.99998
3914	4	9.42	64	6,348	644	0.099	99.19	9.86	1.032	0.99976
3951	3	7.32	87	9,094	984	0.088	104.53	9.24	1.012	0.99977
3981	5	5.35	37	2,441	1,480	0.025	65.97	1.65	1.028	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3982	3	2.65	208	7,362	1,748	0.119	35.39	4.21	1.000	0.99990
3991	4	6.98	32	2,882	719	0.045	90.06	4.01	1.032	0.99990
4101	1	1.80	1	108	578	0.002	108.00	0.19	1.000	0.99999
4151	1	0.75	10	455	1,231	0.008	45.50	0.37	1.000	0.99999
4152	1	0.60	3	108	782	0.004	36.00	0.14	1.000	0.99999
4171	1	1.00	1	60	849	0.001	60.00	0.07	1.000	0.99999
4172	2	10.15	6	2,681	1,660	0.004	446.83	1.62	1.000	0.99996
4212	1	1.55	1	93	801	0.001	93.00	0.12	1.000	0.99999
4221	2	11.37	413	94,887	484	0.853	229.75	196.05	1.040	0.99514
4222	2	1.93	81	3,923	1,179	0.069	48.43	3.33	1.000	0.99992
4224	1	4.10	8	1,971	750	0.011	246.38	2.63	1.000	0.99993
4311	1	1.35	1	81	1,202	0.001	81.00	0.07	1.000	0.99999
4341	1	0.67	12	489	1,729	0.007	40.75	0.28	1.000	0.99999
4342	3	3.35	44	2,716	1,707	0.026	61.73	1.59	1.048	0.99996
4361	1	0.33	1	20	1,631	0.001	20.00	0.01	1.000	0.99999
4371	1	1.15	77	5,283	1,523	0.051	68.61	3.47	1.000	0.99991
4373	2	2.58	9	892	749	0.012	99.11	1.19	1.125	0.99997
4431	6	5.29	18	936	1,346	0.013	52.00	0.70	1.000	0.99998
4513	1	0.48	1	29	614	0.002	29.00	0.05	1.000	0.99999
4601	1	1.70	253	26,029	406	0.623	102.88	64.11	1.000	0.99841
5602	1	0.57	1	34	672	0.001	34.00	0.05	1.000	0.99999
5603	5	7.80	85	7,781	1,245	0.068	91.54	6.25	1.545	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6142	1	2.13	1	128	299	0.003	128.00	0.43	1.000	0.99999
6144	1	0.43	1	26	313	0.003	26.00	0.08	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	163	253.51	5,465	663,927	158,754	0.034	121.49	4.18	1.019	0.99990

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2013 to 3/31/2013
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	6.70	273	50,803	1,416	0.193	186.09	35.88	1.007	0.99920
1051	1	0.77	1	46	1,062	0.001	46.00	0.04	1.000	0.99999
1082	1	0.97	14	820	1,291	0.011	58.57	0.64	1.000	0.99999
1092	6	4.09	70	4,071	936	0.075	58.16	4.35	1.029	0.99990
1094	1	1.43	1	86	1,108	0.001	86.00	0.08	1.000	0.99999
1101	1	2.57	1	154	964	0.001	154.00	0.16	1.000	0.99999
1141	1	1.47	1	88	899	0.001	88.00	0.10	1.000	0.99999
1211	4	96.33	75	28,044	1,466	0.051	373.92	19.13	1.027	0.99957
1212	1	1.18	1	71	324	0.003	71.00	0.22	1.000	0.99999
1213	4	3.97	8	521	541	0.015	65.13	0.96	1.000	0.99998
1263	1	1.08	15	945	1,052	0.014	63.00	0.90	1.000	0.99998
1265	1	1.07	9	584	1,267	0.007	64.89	0.46	1.000	0.99999
1271	3	17.18	11	1,716	927	0.012	156.00	1.85	1.100	0.99996
1273	1	1.90	1	114	864	0.001	114.00	0.13	1.000	0.99999
1285	1	1.32	1	79	1,079	0.001	79.00	0.07	1.000	0.99999
1312	1	2.33	252	35,447	913	0.276	140.66	38.82	1.000	0.99913
1451	1	3.40	29	5,940	506	0.057	204.83	11.74	1.000	0.99974

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1452	1	1.63	70	6,862	450	0.156	98.03	15.25	1.000	0.99966
1453	1	1.30	1	78	1,790	0.001	78.00	0.04	1.000	0.99999
1523	1	1.48	6	535	705	0.009	89.17	0.76	1.000	0.99998
1841	1	0.50	1	30	611	0.002	30.00	0.05	1.000	0.99999
1843	3	8.02	1,075	385,472	1,073	1.002	358.58	359.25	1.002	0.99195
2052	1	1.45	1	87	83	0.012	87.00	1.05	1.000	0.99998
2091	1	2.55	870	133,110	870	1.000	153.00	153.00	1.000	0.99657
2092	1	2.53	901	136,952	901	1.000	152.00	152.00	1.000	0.99659
2171	1	1.12	552	37,186	552	1.000	67.37	67.37	1.000	0.99849
2172	10	8.85	10	531	218	0.046	53.10	2.44	1.000	0.99995
2212	2	1.92	32	1,741	1,259	0.025	54.41	1.38	1.000	0.99997
2491	1	2.32	1	139	62	0.016	139.00	2.24	1.000	0.99995
2511	1	2.23	50	6,704	609	0.082	134.08	11.01	1.000	0.99975
2621	1	3.82	12	2,681	1,137	0.011	223.42	2.36	1.000	0.99995
2951	3	2.20	3	132	1,364	0.002	44.00	0.10	1.000	0.99999
2952	1	11.27	1	676	151	0.007	676.00	4.48	1.000	0.99990
2961	1	1.43	1	86	649	0.002	86.00	0.13	1.000	0.99999
3081	1	2.95	1	177	564	0.002	177.00	0.31	1.000	0.99999
3121	1	0.57	1	34	1,107	0.001	34.00	0.03	1.000	0.99999
3181	1	1.02	1	61	711	0.001	61.00	0.09	1.000	0.99999
3232	1	1.27	1	76	421	0.002	76.00	0.18	1.000	0.99999
3301	1	0.57	205	7,069	205	1.000	34.48	34.48	1.000	0.99923

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3303	3	4.91	26	1,590	976	0.027	61.15	1.63	1.000	0.99996
3311	2	7.18	2	431	527	0.004	215.50	0.82	1.000	0.99998
3423	3	6.02	239	25,060	380	0.629	104.85	65.95	1.000	0.99852
3551	1	0.38	40	931	1,011	0.040	23.28	0.92	1.000	0.99998
3552	1	0.57	1	34	571	0.002	34.00	0.06	1.000	0.99999
3621	1	1.05	1	63	1,538	0.001	63.00	0.04	1.000	0.99999
3661	3	17.94	71	11,355	1,109	0.064	159.93	10.24	1.029	0.99977
3663	5	3.95	53	3,032	783	0.068	57.21	3.87	1.039	0.99991
3671	3	3.30	51	3,160	881	0.058	61.96	3.59	1.000	0.99992
3675	1	0.82	64	3,150	406	0.158	49.22	7.76	1.000	0.99983
3691	2	6.36	66	11,121	1,142	0.058	168.50	9.74	1.015	0.99978
3701	3	4.83	3	290	477	0.006	96.67	0.61	1.000	0.99999
3751	3	5.58	6	509	862	0.007	84.83	0.59	1.000	0.99999
3891	2	7.35	61	11,685	421	0.145	191.56	27.76	1.017	0.99938
3892	1	4.72	1	283	464	0.002	283.00	0.61	1.000	0.99999
3893	1	0.68	1	41	1,087	0.001	41.00	0.04	1.000	0.99999
3894	1	1.58	22	2,092	116	0.190	95.09	18.03	1.000	0.99960
3903	2	5.42	45	3,863	286	0.157	85.84	13.51	1.000	0.99970
3913	1	0.58	95	3,389	945	0.101	35.67	3.59	1.000	0.99992
3951	3	3.08	942	80,144	896	1.051	85.08	89.45	1.048	0.99800
3952	1	0.83	1	50	1,210	0.001	50.00	0.04	1.000	0.99999
3953	4	6.24	39	4,895	517	0.075	125.51	9.47	1.026	0.99979

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3981	5	4.00	104	5,622	1,480	0.070	54.06	3.80	1.095	0.99991
3982	5	17.79	1,346	110,324	1,748	0.770	81.96	63.11	1.230	0.99859
3992	1	2.10	1	126	162	0.006	126.00	0.78	1.000	0.99998
4031	3	3.11	130	12,471	692	0.188	95.93	18.02	1.008	0.99960
4091	1	0.40	1,138	28,108	1,138	1.000	24.70	24.70	1.000	0.99945
4092	1	1.67	1	100	421	0.002	100.00	0.24	1.000	0.99999
4138	10	19.85	16	2,443	747	0.021	152.69	3.27	1.000	0.99993
4151	4	8.11	8	803	1,231	0.006	100.38	0.65	1.000	0.99999
4153	1	2.05	1	123	1,285	0.001	123.00	0.10	1.000	0.99999
4172	5	5.09	133	6,595	1,660	0.080	49.59	3.97	1.000	0.99991
4182	1	1.38	9	752	1,004	0.009	83.56	0.75	1.000	0.99998
4211	1	1.87	1	112	662	0.002	112.00	0.17	1.000	0.99999
4212	2	3.32	19	2,824	801	0.024	148.63	3.53	1.000	0.99992
4324	3	4.54	3	272	1,141	0.003	90.67	0.24	1.000	0.99999
4332	1	2.70	1	162	301	0.003	162.00	0.54	1.000	0.99999
4341	2	3.79	9	720	1,729	0.005	80.00	0.42	1.125	0.99999
4342	1	2.22	1	133	1,707	0.001	133.00	0.08	1.000	0.99999
4343	4	5.40	63	4,773	1,015	0.062	75.76	4.70	1.033	0.99989
4361	1	9.10	50	27,301	1,631	0.031	546.02	16.74	1.000	0.99963
4363	3	3.59	130	7,089	1,567	0.083	54.53	4.52	1.040	0.99990
4371	1	1.85	38	4,226	1,523	0.025	111.21	2.77	1.000	0.99994
4431	4	5.53	1,342	106,636	1,346	0.997	79.46	79.22	1.002	0.99823

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4601	1	1.57	1	94	406	0.002	94.00	0.23	1.000	0.99999
5601	1	0.65	40	1,593	1,146	0.035	39.83	1.39	1.000	0.99997
5603	20	18.35	157	13,499	1,245	0.126	85.98	10.84	1.013	0.99976
5902	1	1.33	11	883	1,006	0.011	80.27	0.88	1.000	0.99998
5905	1	1.23	30	2,198	1,739	0.017	73.27	1.26	1.000	0.99997
6021	1	0.25	485	7,388	485	1.000	15.23	15.23	1.000	0.99966
6022	1	0.23	374	5,522	374	1.000	14.76	14.76	1.000	0.99967
6023	1	0.25	457	7,007	460	0.993	15.33	15.23	1.000	0.99966
6024	1	0.25	387	5,805	384	1.008	15.00	15.12	1.000	0.99966
6142	2	2.78	2	167	299	0.007	83.50	0.56	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	205	438.48	12,877	1,382,987	159,416	0.081	107.40	8.68	1.027	0.99981

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2013 to 4/30/2013
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	1.70	67	6,798	1,453	0.046	101.46	4.68	1.000	0.99989
1051	1	1.28	1	77	1,064	0.001	77.00	0.07	1.000	0.99999
1081	1	0.67	19	772	19	1.000	40.63	40.63	1.000	0.99906
1082	19	52.43	461	82,029	1,292	0.357	177.94	63.49	1.153	0.99853
1091	2	1.35	53	2,623	706	0.075	49.49	3.72	1.000	0.99991
1092	3	49.96	3	2,998	935	0.003	999.33	3.21	1.000	0.99993
1093	1	2.12	38	4,801	228	0.167	126.34	21.06	1.000	0.99951
1102	1	0.42	1	25	627	0.002	25.00	0.04	1.000	0.99999
1141	1	1.83	28	3,104	900	0.031	110.86	3.45	1.000	0.99992
1211	1	4.30	1	258	1,470	0.001	258.00	0.18	1.000	0.99999
1213	1	1.33	541	43,280	541	1.000	80.00	80.00	1.000	0.99815
1232	2	1.49	91	3,924	1,174	0.078	43.12	3.34	1.011	0.99992
1241	3	2.51	58	1,710	835	0.069	29.48	2.05	1.018	0.99995
1261	1	3.48	1	209	386	0.003	209.00	0.54	1.000	0.99999
1262	1	1.90	1	114	134	0.007	114.00	0.85	1.000	0.99998
1265	1	0.40	42	1,046	1,270	0.033	24.90	0.82	1.000	0.99998
1271	26	52.93	416	78,436	930	0.447	188.55	84.34	1.032	0.99805

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1273	1	0.45	61	1,659	864	0.071	27.20	1.92	1.000	0.99996
1282	3	3.37	77	5,418	912	0.084	70.36	5.94	1.027	0.99986
1283	1	0.42	1	25	360	0.003	25.00	0.07	1.000	0.99999
1284	2	4.45	32	7,516	854	0.037	234.88	8.80	1.000	0.99980
1285	2	2.99	184	9,635	1,080	0.170	52.36	8.92	1.005	0.99979
1311	3	4.12	274	14,695	268	1.022	53.63	54.83	1.026	0.99873
1312	4	3.78	942	49,904	914	1.031	52.98	54.60	1.032	0.99874
1452	1	0.78	13	612	450	0.029	47.08	1.36	1.000	0.99997
1454	8	8.86	972	34,030	908	1.070	35.01	37.48	1.058	0.99913
1523	2	2.04	6	322	706	0.008	53.67	0.46	1.200	0.99999
1842	1	2.60	46	7,191	276	0.167	156.33	26.05	1.000	0.99940
1843	1	1.25	239	18,100	1,074	0.223	75.73	16.85	1.000	0.99961
2052	1	2.33	1	140	83	0.012	140.00	1.69	1.000	0.99996
2091	1	0.90	489	26,699	870	0.562	54.60	30.69	1.000	0.99929
2492	3	5.51	87	9,617	29	3.000	110.54	331.62	1.000	0.99232
2511	1	1.50	1	90	610	0.002	90.00	0.15	1.000	0.99999
2621	4	8.68	18	963	1,138	0.016	53.50	0.85	1.000	0.99998
2921	3	5.03	3	302	405	0.007	100.67	0.75	1.000	0.99998
3122	1	0.55	1	33	839	0.001	33.00	0.04	1.000	0.99999
3123	2	2.52	26	2,476	1,026	0.025	95.23	2.41	1.040	0.99994
3221	5	11.96	1,292	230,440	1,226	1.054	178.36	187.96	1.055	0.99565
3222	7	7.84	7	470	762	0.009	67.14	0.62	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3303	1	1.03	1	62	976	0.001	62.00	0.06	1.000	0.99999
3311	1	0.98	1	59	527	0.002	59.00	0.11	1.000	0.99999
3422	1	4.28	25	6,433	964	0.026	257.32	6.67	1.000	0.99985
3423	2	1.34	25	1,699	382	0.065	67.96	4.45	1.042	0.99990
3471	7	6.08	74	3,665	164	0.451	49.53	22.35	1.028	0.99948
3472	4	5.77	1,564	84,813	1,552	1.008	54.23	54.65	1.004	0.99874
3551	2	4.27	11	1,891	1,016	0.011	171.91	1.86	1.000	0.99996
3553	1	1.53	1	92	1,024	0.001	92.00	0.09	1.000	0.99999
3591	1	1.07	1	64	1,126	0.001	64.00	0.06	1.000	0.99999
3594	1	0.57	1	34	634	0.002	34.00	0.05	1.000	0.99999
3621	2	2.49	7	229	1,539	0.005	32.71	0.15	1.000	0.99999
3661	3	3.64	68	5,480	1,110	0.061	80.59	4.94	1.000	0.99989
3662	3	4.88	3	293	1,136	0.003	97.67	0.26	1.000	0.99999
3663	2	2.00	2	120	784	0.003	60.00	0.15	1.000	0.99999
3675	1	0.43	23	606	408	0.056	26.35	1.49	1.000	0.99997
3701	1	0.77	1	46	476	0.002	46.00	0.10	1.000	0.99999
3702	1	1.33	45	3,613	594	0.076	80.29	6.08	1.000	0.99986
3751	5	6.89	12	598	862	0.014	49.83	0.69	1.000	0.99998
3892	1	0.68	6	248	466	0.013	41.33	0.53	1.000	0.99999
3893	3	10.96	4	951	1,088	0.004	237.75	0.87	1.000	0.99998
3894	2	2.37	2	142	116	0.017	71.00	1.22	1.000	0.99997
3902	1	1.30	1	78	96	0.010	78.00	0.81	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3903	1	2.57	7	1,082	286	0.024	154.57	3.78	1.000	0.99991
3912	2	5.82	2	349	892	0.002	174.50	0.39	1.000	0.99999
3913	3	14.38	49	12,766	947	0.052	260.53	13.48	1.000	0.99969
3914	8	16.57	67	11,025	650	0.103	164.55	16.96	1.047	0.99961
3951	2	1.48	48	2,148	896	0.054	44.75	2.40	1.000	0.99994
3952	1	1.62	1	97	1,216	0.001	97.00	0.08	1.000	0.99999
3953	4	6.81	4	409	516	0.008	102.25	0.79	1.000	0.99998
3971	1	1.50	63	5,623	651	0.097	89.25	8.64	1.000	0.99980
3981	3	5.06	15	1,351	1,482	0.010	90.07	0.91	1.000	0.99998
3982	2	1.72	146	7,542	1,748	0.084	51.66	4.31	2.000	0.99990
3991	4	4.08	18	1,268	720	0.025	70.44	1.76	1.125	0.99996
3992	1	1.72	1	103	162	0.006	103.00	0.64	1.000	0.99999
4031	1	0.73	60	2,643	690	0.087	44.05	3.83	1.000	0.99991
4101	1	1.10	80	5,280	576	0.139	66.00	9.17	1.000	0.99979
4131	1	2.58	20	3,117	196	0.102	155.85	15.90	1.000	0.99963
4134	2	1.33	823	39,882	829	0.993	48.46	48.11	1.001	0.99889
4137	2	4.95	785	55,237	784	1.001	70.37	70.46	1.001	0.99837
4138	2	2.82	2	169	748	0.003	84.50	0.23	2.000	0.99999
4141	1	1.22	1	73	81	0.012	73.00	0.90	1.000	0.99998
4151	2	2.06	14	1,048	1,231	0.011	74.86	0.85	1.077	0.99998
4153	1	0.57	1	34	1,285	0.001	34.00	0.03	1.000	0.99999
4171	1	0.57	1	34	870	0.001	34.00	0.04	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4172	6	11.35	34	4,331	1,666	0.020	127.38	2.60	1.030	0.99994
4173	1	0.58	614	21,735	616	0.997	35.40	35.28	1.000	0.99918
4181	2	2.32	43	3,346	479	0.090	77.81	6.99	1.000	0.99984
4182	22	7.84	378	10,334	1,002	0.377	27.34	10.31	1.047	0.99976
4211	2	2.42	54	3,936	665	0.081	72.89	5.92	1.038	0.99986
4212	3	3.85	12	790	801	0.015	65.83	0.99	1.091	0.99998
4221	3	3.00	45	983	488	0.092	21.84	2.01	1.023	0.99995
4222	1	2.85	1	171	992	0.001	171.00	0.17	1.000	0.99999
4223	3	7.11	25	4,054	508	0.049	162.16	7.98	1.000	0.99982
4303	1	0.93	1	56	840	0.001	56.00	0.07	1.000	0.99999
4341	4	5.81	53	4,688	1,734	0.031	88.45	2.70	1.019	0.99994
4342	3	3.43	104	9,550	1,712	0.061	91.83	5.58	1.020	0.99987
4362	1	0.73	83	3,697	815	0.102	44.54	4.54	1.000	0.99989
4363	3	4.19	61	5,213	1,568	0.039	85.46	3.32	1.000	0.99992
4371	2	2.31	48	4,000	1,524	0.031	83.33	2.62	1.000	0.99994
4373	1	2.40	1	144	749	0.001	144.00	0.19	1.000	0.99999
4431	6	14.59	14	2,788	1,348	0.010	199.14	2.07	1.000	0.99995
4432	25	55.56	148	21,928	447	0.331	148.16	49.06	1.130	0.99886
4602	2	2.12	18	1,153	933	0.019	64.06	1.24	1.000	0.99997
5601	5	8.47	109	10,657	1,146	0.095	97.77	9.30	1.019	0.99978
5602	3	3.43	89	4,785	672	0.132	53.76	7.12	1.023	0.99984
5603	10	14.11	10	847	1,246	0.008	84.70	0.68	1.111	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5901	1	0.47	6	172	560	0.011	28.67	0.31	1.000	0.99999
5902	1	1.23	206	15,285	1,007	0.205	74.20	15.18	1.000	0.99965
6023	1	1.27	1	76	460	0.002	76.00	0.17	1.000	0.99999
6024	1	0.77	47	2,150	386	0.122	45.74	5.57	1.000	0.99987
6144	1	0.25	1	15	314	0.003	15.00	0.05	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	329	571.34	12,886	1,051,921	159,899	0.081	81.63	6.58	1.030	0.99985

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2013 to 5/31/2013
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	10.67	143	91,572	1,490	0.096	640.36	61.46	1.000	0.99862
1051	1	0.67	308	12,498	1,066	0.289	40.58	11.72	1.000	0.99974
1052	2	3.72	3	330	289	0.010	110.00	1.14	1.000	0.99997
1082	42	138.70	1,236	259,336	1,293	0.956	209.82	200.57	1.232	0.99551
1091	2	1.32	708	15,246	707	1.001	21.53	21.56	1.001	0.99952
1092	4	12.05	240	77,128	934	0.257	321.37	82.58	1.026	0.99815
1093	5	10.87	71	7,888	229	0.310	111.10	34.45	1.060	0.99923
1094	2	3.80	24	2,334	1,214	0.020	97.25	1.92	1.000	0.99996
1101	5	10.13	224	40,296	965	0.232	179.89	41.76	1.004	0.99906
1141	2	4.54	21	4,011	900	0.023	191.00	4.46	1.050	0.99990
1211	4	17.88	395	173,595	1,473	0.268	439.48	117.85	1.008	0.99736
1212	1	1.35	1	81	325	0.003	81.00	0.25	1.000	0.99999
1213	2	1.83	2	110	541	0.004	55.00	0.20	1.000	0.99999
1230	2	1.95	58	3,851	1,181	0.049	66.40	3.26	1.000	0.99993
1232	6	6.82	141	7,034	1,173	0.120	49.89	6.00	1.007	0.99987
1233	2	1.53	513	18,356	638	0.804	35.78	28.77	1.002	0.99936
1241	1	0.50	1	30	835	0.001	30.00	0.04	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1242	2	1.83	695	33,463	673	1.033	48.15	49.72	1.036	0.99889
1243	2	2.45	25	2,463	1,191	0.021	98.52	2.07	1.000	0.99995
1262	1	0.83	128	6,515	138	0.928	50.90	47.21	1.000	0.99894
1263	3	3.21	17	786	1,100	0.015	46.24	0.71	1.063	0.99998
1271	14	28.52	348	15,420	933	0.373	44.31	16.53	1.074	0.99963
1273	5	7.46	107	7,758	863	0.124	72.50	8.99	1.039	0.99980
1281	1	0.48	1	29	112	0.009	29.00	0.26	1.000	0.99999
1282	3	2.95	94	3,617	914	0.103	38.48	3.96	1.000	0.99991
1285	3	2.71	249	12,664	1,081	0.230	50.86	11.72	1.004	0.99974
1311	1	5.00	75	22,452	268	0.280	299.36	83.78	1.000	0.99812
1312	12	32.77	77	23,805	916	0.084	309.16	25.99	1.069	0.99942
1451	2	3.67	563	67,953	512	1.100	120.70	132.72	1.144	0.99703
1453	4	7.24	1,760	35,289	1,792	0.982	20.05	19.69	1.005	0.99956
1454	2	2.66	2	160	909	0.002	80.00	0.18	1.000	0.99999
1521	2	3.45	123	12,506	354	0.347	101.67	35.33	1.000	0.99921
1523	1	0.83	1	50	708	0.001	50.00	0.07	1.000	0.99999
1841	1	1.98	1	119	613	0.002	119.00	0.19	1.000	0.99999
1842	10	5.21	145	8,556	276	0.525	59.01	31.00	2.843	0.99931
1843	4	8.14	79	8,332	1,075	0.073	105.47	7.75	1.013	0.99983
2091	1	1.50	5	450	871	0.006	90.00	0.52	1.000	0.99999
2092	6	15.59	948	147,438	902	1.051	155.53	163.46	1.048	0.99634
2171	3	9.52	19	7,906	554	0.034	416.11	14.27	1.000	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2172	1	2.33	1	140	218	0.005	140.00	0.64	1.000	0.99999
2211	3	3.00	19	768	720	0.026	40.42	1.07	1.000	0.99998
2212	4	7.92	49	3,835	1,262	0.039	78.27	3.04	1.140	0.99993
2501	1	12.48	73	54,677	78	0.936	749.00	700.99	1.000	0.98430
2511	1	2.25	1	135	611	0.002	135.00	0.22	1.000	0.99999
2621	6	7.16	58	3,633	1,138	0.051	62.64	3.19	1.000	0.99993
2622	1	2.25	1	135	112	0.009	135.00	1.21	1.000	0.99997
2921	10	31.63	10	1,898	406	0.025	189.80	4.67	1.000	0.99990
2951	22	39.10	323	37,655	1,366	0.236	116.58	27.57	1.063	0.99938
2952	1	0.55	6	198	151	0.040	33.00	1.31	1.000	0.99997
3122	2	1.99	30	1,809	840	0.036	60.30	2.15	2.000	0.99995
3123	3	2.33	17	737	1,027	0.017	43.35	0.72	1.133	0.99998
3181	3	16.50	141	44,393	712	0.198	314.84	62.35	1.014	0.99860
3221	2	3.43	33	2,082	1,226	0.027	63.09	1.70	1.000	0.99996
3222	6	11.71	646	42,783	762	0.848	66.23	56.15	1.008	0.99874
3231	1	1.22	13	958	411	0.032	73.69	2.33	1.000	0.99995
3232	1	1.37	421	34,578	421	1.000	82.13	82.13	1.000	0.99816
3303	6	7.47	254	18,091	976	0.260	71.22	18.54	1.033	0.99958
3311	1	1.75	4	420	527	0.008	105.00	0.80	1.000	0.99998
3314	1	0.52	20	630	222	0.090	31.50	2.84	1.000	0.99994
3315	2	2.30	1,595	138,383	1,566	1.019	86.76	88.37	1.019	0.99802
3421	1	0.65	280	11,116	281	0.996	39.70	39.56	1.000	0.99911

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3423	1	0.70	383	16,175	383	1.000	42.23	42.23	1.000	0.99905
3471	3	4.56	204	20,654	164	1.244	101.25	125.94	1.244	0.99718
3472	12	17.37	1,712	159,571	1,552	1.103	93.21	102.82	1.100	0.99770
3553	2	3.85	24	3,487	1,024	0.023	145.29	3.41	1.043	0.99992
3592	5	4.43	22	827	1,705	0.013	37.59	0.49	1.000	0.99999
3593	1	0.90	109	5,934	932	0.117	54.44	6.37	1.000	0.99986
3621	7	9.32	28	6,329	1,540	0.018	226.04	4.11	1.273	0.99991
3661	2	1.25	79	2,868	1,110	0.071	36.30	2.58	1.000	0.99994
3662	3	14.07	83	53,063	1,139	0.073	639.31	46.59	1.025	0.99896
3663	10	32.36	223	39,394	785	0.284	176.65	50.18	1.088	0.99888
3691	1	1.72	1	103	1,143	0.001	103.00	0.09	1.000	0.99999
3692	1	1.80	30	3,255	403	0.074	108.50	8.08	1.000	0.99982
3701	2	3.90	478	33,689	476	1.004	70.48	70.78	1.002	0.99841
3751	15	44.18	1,040	185,077	863	1.205	177.96	214.46	1.205	0.99520
3878	2	2.03	46	2,971	774	0.059	64.59	3.84	1.000	0.99991
3891	2	2.46	437	27,446	430	1.016	62.81	63.83	1.021	0.99857
3892	1	1.57	1	94	467	0.002	94.00	0.20	1.000	0.99999
3893	6	12.49	55	5,088	1,090	0.050	92.51	4.67	1.058	0.99990
3902	1	1.45	1	87	97	0.010	87.00	0.90	1.000	0.99998
3912	1	0.83	1	50	904	0.001	50.00	0.06	1.000	0.99999
3913	5	5.39	5	323	949	0.005	64.60	0.34	1.000	0.99999
3914	17	14.79	606	37,823	656	0.924	62.41	57.66	1.034	0.99871

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3951	3	2.74	58	3,451	897	0.065	59.50	3.85	1.018	0.99991
3952	8	16.89	1,258	320,625	1,221	1.030	254.87	262.59	1.040	0.99412
3953	1	1.57	8	755	514	0.016	94.38	1.47	1.000	0.99997
3981	13	16.96	1,599	167,618	1,484	1.077	104.83	112.95	1.080	0.99747
3982	1	1.80	21	2,287	1,749	0.012	108.90	1.31	1.000	0.99997
3991	6	11.74	20	1,832	721	0.028	91.60	2.54	1.176	0.99994
403	1	1.48	118	10,547	263	0.449	89.38	40.10	1.000	0.99910
4031	4	10.99	235	39,420	687	0.342	167.74	57.38	1.049	0.99871
4091	3	3.94	97	8,044	1,140	0.085	82.93	7.06	1.010	0.99984
4101	10	11.54	1,343	33,222	575	2.336	24.74	57.78	2.336	0.99871
4102	2	0.68	1,471	29,659	895	1.644	20.16	33.14	1.644	0.99926
4138	1	0.55	41	1,363	749	0.055	33.24	1.82	1.000	0.99996
4141	1	1.10	1	66	81	0.012	66.00	0.81	1.000	0.99998
4142	3	4.96	67	6,032	587	0.114	90.03	10.28	1.015	0.99977
4151	1	1.08	1	65	1,231	0.001	65.00	0.05	1.000	0.99999
4152	1	0.38	1	23	784	0.001	23.00	0.03	1.000	0.99999
4154	2	5.08	1,143	170,928	1,136	1.006	149.54	150.46	1.006	0.99663
4155	1	0.80	1	48	2,050	0.000	48.00	0.02	1.000	0.99999
4171	1	5.98	1	359	891	0.001	359.00	0.40	1.000	0.99999
4172	6	8.70	32	2,419	1,671	0.019	75.59	1.45	1.000	0.99997
4173	1	0.85	21	1,072	617	0.034	51.05	1.74	1.000	0.99996
4182	2	1.84	43	2,620	999	0.043	60.93	2.62	1.024	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4211	3	4.72	318	38,990	668	0.476	122.61	58.37	1.191	0.99869
4212	4	5.22	4	313	801	0.005	78.25	0.39	1.000	0.99999
4221	5	4.67	92	5,468	492	0.187	59.43	11.11	1.022	0.99975
4222	1	1.27	1	76	995	0.001	76.00	0.08	1.000	0.99999
4223	1	0.87	1	52	541	0.002	52.00	0.10	1.000	0.99999
4224	1	1.70	18	1,850	752	0.024	102.78	2.46	1.000	0.99994
4302	1	1.80	1	108	642	0.002	108.00	0.17	1.000	0.99999
4303	1	0.98	13	774	853	0.015	59.54	0.91	1.000	0.99998
4311	27	19.21	28	1,210	1,154	0.024	43.21	1.05	1.000	0.99998
4324	6	14.16	58	4,409	1,173	0.049	76.02	3.76	1.094	0.99992
4333	2	3.00	550	61,802	549	1.002	112.37	112.57	1.002	0.99748
4341	1	1.80	1	108	1,738	0.001	108.00	0.06	1.000	0.99999
4342	4	3.88	84	4,556	1,716	0.049	54.24	2.66	1.000	0.99994
4343	3	4.25	36	5,067	1,017	0.035	140.75	4.98	1.059	0.99989
4361	6	7.48	59	4,554	1,633	0.036	77.19	2.79	1.054	0.99994
4362	3	9.58	53	2,039	817	0.065	38.47	2.50	1.019	0.99994
4363	2	2.11	118	7,193	1,570	0.075	60.96	4.58	1.000	0.99990
4371	5	8.03	77	7,694	1,525	0.050	99.92	5.05	1.013	0.99989
4372	2	1.80	25	998	426	0.059	39.92	2.34	1.042	0.99995
4373	1	1.05	524	33,020	749	0.700	63.02	44.09	1.000	0.99901
4385	1	2.50	19	2,811	1,108	0.017	147.95	2.54	1.000	0.99994
4431	3	4.73	4	439	1,351	0.003	109.75	0.32	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4432	4	7.19	6	731	448	0.013	121.83	1.63	1.000	0.99996
4511	1	0.50	1,118	34,527	1,118	1.000	30.88	30.88	1.000	0.99931
4512	1	0.52	932	29,109	932	1.000	31.23	31.23	1.000	0.99930
4513	1	0.50	614	18,491	614	1.000	30.12	30.12	1.000	0.99933
4601	4	6.37	256	5,351	407	0.629	20.90	13.15	1.012	0.99971
4602	2	2.64	116	8,740	932	0.124	75.34	9.38	1.000	0.99979
5601	3	6.25	149	39,941	1,147	0.130	268.06	34.82	1.028	0.99922
5602	2	5.50	2	330	673	0.003	165.00	0.49	1.000	0.99999
5603	2	7.43	97	12,167	1,247	0.078	125.43	9.76	1.021	0.99978
5903	1	1.35	1	81	210	0.005	81.00	0.39	1.000	0.99999
5904	2	3.60	52	7,157	1,094	0.048	137.63	6.54	1.020	0.99985
5905	1	0.62	1	37	1,776	0.001	37.00	0.02	1.000	0.99999
6021	2	1.23	48	1,794	486	0.099	37.38	3.69	1.043	0.99992
6023	10	3.48	508	2,976	459	1.107	5.86	6.48	1.107	0.99985
6024	1	0.88	71	3,795	387	0.183	53.45	9.81	1.000	0.99978
6141	2	2.02	2	121	621	0.003	60.50	0.19	1.000	0.99999
6142	1	0.57	6	204	301	0.020	34.00	0.68	1.000	0.99998
6143	3	6.74	3	405	370	0.008	135.00	1.09	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	544	991.51	32,760	3,286,732	160,375	0.204	100.33	20.49	1.089	0.99954

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2013 to 6/30/2013
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	6	8.20	225	10,166	1,490	0.151	45.18	6.82	1.027	0.99984
1051	2	2.10	293	17,872	1,066	0.275	61.00	16.77	1.000	0.99961
1052	1	5.47	1	328	289	0.003	328.00	1.13	1.000	0.99997
1082	7	15.41	158	30,214	1,293	0.122	191.23	23.37	1.060	0.99946
1091	4	4.98	1,416	114,260	707	2.003	80.69	161.61	2.003	0.99626
1092	5	7.04	5	423	934	0.005	84.60	0.45	1.000	0.99999
1093	1	0.50	1	30	229	0.004	30.00	0.13	1.000	0.99999
1094	7	8.63	1,213	122,799	1,214	0.999	101.24	101.15	1.018	0.99766
1101	1	0.87	1	52	965	0.001	52.00	0.05	1.000	0.99999
1102	2	3.62	2	217	630	0.003	108.50	0.34	1.000	0.99999
1141	5	13.37	1,821	457,278	900	2.023	251.11	508.09	2.023	0.98824
1142	4	11.80	216	66,143	214	1.009	306.22	309.08	1.155	0.99285
1211	3	4.13	14	881	1,473	0.010	62.93	0.60	1.077	0.99999
1213	1	0.97	1	58	541	0.002	58.00	0.11	1.000	0.99999
1230	5	2.20	105	2,318	1,181	0.089	22.08	1.96	1.000	0.99995
1232	3	3.68	121	7,889	1,173	0.103	65.20	6.73	1.008	0.99984
1233	3	3.48	54	4,293	638	0.085	79.50	6.73	1.019	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1241	4	8.32	89	17,688	835	0.107	198.74	21.18	1.011	0.99951
1242	2	4.15	49	6,035	673	0.073	123.16	8.97	1.000	0.99979
1265	1	0.45	1	27	1,272	0.001	27.00	0.02	1.000	0.99999
1271	8	12.97	63	8,564	933	0.068	135.94	9.18	1.750	0.99979
1273	2	1.63	40	1,012	863	0.046	25.30	1.17	1.026	0.99997
1281	1	4.68	1	281	112	0.009	281.00	2.51	1.000	0.99994
1284	2	3.05	44	4,046	856	0.051	91.95	4.73	1.000	0.99989
1285	2	2.62	198	15,628	1,081	0.183	78.93	14.46	1.286	0.99967
1311	2	2.45	7	558	268	0.026	79.71	2.08	1.000	0.99995
1312	4	5.60	34	2,295	916	0.037	67.50	2.51	1.000	0.99994
1451	3	1.89	3	113	512	0.006	37.67	0.22	1.000	0.99999
1452	1	1.13	1	68	451	0.002	68.00	0.15	1.000	0.99999
1453	3	3.00	60	3,421	1,792	0.033	57.02	1.91	1.034	0.99996
1521	1	1.25	71	5,392	354	0.201	75.94	15.23	1.000	0.99965
1523	4	7.74	4	464	708	0.006	116.00	0.66	1.000	0.99998
1841	1	0.47	1	28	613	0.002	28.00	0.05	1.000	0.99999
1842	3	2.08	3	125	276	0.011	41.67	0.45	1.000	0.99999
1843	3	1.50	48	1,290	1,075	0.045	26.88	1.20	1.263	0.99997
2051	2	3.34	2	200	162	0.012	100.00	1.23	1.000	0.99997
2052	1	1.02	6	366	83	0.072	61.00	4.41	1.000	0.99990
2091	1	2.10	1	126	871	0.001	126.00	0.14	1.000	0.99999
2092	2	3.75	2	225	902	0.002	112.50	0.25	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2211	6	6.88	75	6,629	720	0.104	88.39	9.21	1.014	0.99979
2212	2	4.25	33	3,422	1,262	0.026	103.70	2.71	1.138	0.99994
2491	1	0.52	1	31	62	0.016	31.00	0.50	1.000	0.99999
2511	4	3.72	8	489	611	0.013	61.13	0.80	1.000	0.99998
2621	6	8.91	114	12,648	1,138	0.100	110.95	11.11	1.000	0.99974
2921	1	1.32	1	79	406	0.002	79.00	0.19	1.000	0.99999
2951	7	9.70	79	4,796	1,366	0.058	60.71	3.51	1.013	0.99992
3081	1	1.38	31	2,601	566	0.055	83.90	4.60	1.000	0.99989
3121	4	3.14	4	189	1,107	0.004	47.25	0.17	1.000	0.99999
3122	1	1.65	12	1,193	840	0.014	99.42	1.42	1.000	0.99997
3181	1	3.45	1	207	712	0.001	207.00	0.29	1.000	0.99999
3221	6	9.13	71	7,474	1,226	0.058	105.27	6.10	1.044	0.99986
3222	12	22.03	12	1,322	762	0.016	110.17	1.73	1.000	0.99996
3232	1	0.70	1	42	421	0.002	42.00	0.10	1.000	0.99999
3301	1	10.23	8	4,918	205	0.039	614.75	23.99	1.000	0.99944
3302	5	43.47	915	198,798	855	1.070	217.27	232.51	1.092	0.99462
3303	5	28.38	253	56,249	976	0.259	222.33	57.63	1.571	0.99867
3314	2	1.68	21	838	222	0.095	39.90	3.77	1.050	0.99991
3315	4	2.76	1,569	22,206	1,566	1.002	14.15	14.18	1.002	0.99967
3422	1	2.92	1	175	964	0.001	175.00	0.18	1.000	0.99999
3471	1	0.58	39	1,402	164	0.238	35.95	8.55	1.000	0.99980
3472	7	8.55	201	12,133	1,552	0.130	60.36	7.82	1.041	0.99982

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3551	2	4.28	9	385	1,021	0.009	42.78	0.38	1.000	0.99999
3552	4	4.62	45	2,816	571	0.079	62.58	4.93	1.047	0.99989
3553	2	3.51	214	23,616	1,024	0.209	110.36	23.06	1.019	0.99947
3591	16	80.40	1,253	159,666	1,127	1.112	127.43	141.67	1.109	0.99672
3592	15	60.07	230	55,102	1,705	0.135	239.57	32.32	1.018	0.99925
3593	10	35.13	628	107,634	932	0.674	171.39	115.49	1.450	0.99733
3594	4	27.86	256	59,351	636	0.403	231.84	93.32	1.008	0.99784
3621	7	7.48	58	3,152	1,540	0.038	54.34	2.05	1.000	0.99995
3661	6	4.57	127	7,262	1,110	0.114	57.18	6.54	1.008	0.99985
3662	4	17.05	142	8,560	1,139	0.125	60.28	7.52	1.022	0.99983
3663	8	15.43	73	4,797	785	0.093	65.71	6.11	1.028	0.99986
3691	4	4.55	146	15,098	1,143	0.128	103.41	13.21	1.058	0.99969
3692	1	1.37	6	497	403	0.015	82.83	1.23	1.000	0.99997
3694	1	1.20	52	3,789	1,241	0.042	72.87	3.05	1.000	0.99993
3701	1	4.33	8	2,087	476	0.017	260.88	4.38	1.000	0.99990
3702	2	2.77	22	2,569	594	0.037	116.77	4.32	1.000	0.99990
3871	1	1.20	460	33,212	1,373	0.335	72.20	24.19	1.000	0.99944
3873	1	0.78	7	332	788	0.009	47.43	0.42	1.000	0.99999
3878	5	8.46	44	7,215	774	0.057	163.98	9.32	1.073	0.99978
3891	2	2.38	16	899	430	0.037	56.19	2.09	1.067	0.99995
3892	1	2.08	1	125	467	0.002	125.00	0.27	1.000	0.99999
3893	6	11.45	24	2,895	1,090	0.022	120.63	2.66	1.200	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3894	1	2.60	116	18,121	116	1.000	156.22	156.22	1.000	0.99638
3901	4	8.32	870	193,631	866	1.005	222.56	223.59	1.003	0.99482
3902	2	7.92	98	21,915	97	1.010	223.62	225.93	1.010	0.99477
3903	1	3.70	286	63,606	286	1.000	222.40	222.40	1.000	0.99485
3912	1	0.83	1	50	904	0.001	50.00	0.06	1.000	0.99999
3913	2	6.18	96	7,748	949	0.101	80.71	8.16	1.011	0.99981
3914	2	2.85	47	4,084	656	0.072	86.89	6.23	1.000	0.99986
3951	11	25.79	1,165	264,051	897	1.299	226.65	294.37	1.294	0.99319
3952	2	7.46	1,222	329,259	1,221	1.001	269.44	269.66	1.001	0.99376
3953	13	30.44	857	169,654	514	1.667	197.96	330.07	1.674	0.99236
3971	1	1.33	17	1,375	651	0.026	80.88	2.11	1.000	0.99995
3981	4	7.04	202	13,840	1,484	0.136	68.51	9.33	1.041	0.99978
3982	3	6.46	7	1,544	1,749	0.004	220.57	0.88	1.000	0.99998
3991	7	8.91	93	6,027	721	0.129	64.81	8.36	1.011	0.99981
4031	7	13.43	171	21,810	687	0.249	127.54	31.75	1.030	0.99927
4091	4	5.87	23	1,441	1,140	0.020	62.65	1.26	1.000	0.99997
4092	4	6.36	18	2,093	422	0.043	116.28	4.96	1.125	0.99989
4101	3	6.52	161	16,074	575	0.280	99.84	27.95	1.000	0.99935
4102	1	0.82	1	49	895	0.001	49.00	0.05	1.000	0.99999
4141	2	4.10	2	246	81	0.025	123.00	3.04	1.000	0.99993
4151	4	20.35	180	93,841	1,231	0.146	521.34	76.23	1.295	0.99824
4152	4	60.88	70	51,767	784	0.089	739.53	66.03	1.029	0.99847

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4153	2	5.25	35	1,968	1,285	0.027	56.23	1.53	1.000	0.99996
4155	2	3.18	106	8,235	2,050	0.052	77.69	4.02	1.010	0.99991
4171	5	6.23	35	5,774	891	0.039	164.97	6.48	1.061	0.99985
4172	8	30.42	248	25,356	1,671	0.148	102.24	15.17	1.012	0.99965
4181	6	7.74	24	1,617	479	0.050	67.38	3.38	1.000	0.99992
4182	4	5.78	219	8,800	999	0.219	40.18	8.81	1.014	0.99980
4211	5	15.57	87	5,285	668	0.130	60.75	7.91	1.024	0.99982
4212	6	4.96	22	1,572	801	0.027	71.45	1.96	1.048	0.99995
4221	4	5.43	773	56,093	492	1.571	72.57	114.01	1.568	0.99736
4222	2	5.58	41	3,119	995	0.041	76.07	3.13	1.025	0.99993
4223	2	1.45	2	87	541	0.004	43.50	0.16	1.000	0.99999
4224	1	1.58	18	1,717	752	0.024	95.39	2.28	1.000	0.99995
4302	1	3.12	5	936	642	0.008	187.20	1.46	1.000	0.99997
4312	1	0.57	1	34	825	0.001	34.00	0.04	1.000	0.99999
4324	1	3.95	1	237	1,173	0.001	237.00	0.20	1.000	0.99999
4331	7	5.04	13	406	299	0.043	31.23	1.36	1.000	0.99997
4341	15	38.61	50	7,206	1,738	0.029	144.12	4.15	1.064	0.99990
4342	13	123.85	1,543	238,148	1,716	0.899	154.34	138.78	1.201	0.99679
4343	12	112.14	160	82,436	1,017	0.157	515.23	81.06	1.032	0.99812
4361	3	3.50	79	5,694	1,633	0.048	72.08	3.49	1.013	0.99992
4363	8	13.29	157	24,872	1,570	0.100	158.42	15.84	1.019	0.99963
4371	4	4.35	144	7,612	1,525	0.094	52.86	4.99	1.083	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4372	3	4.75	3	285	426	0.007	95.00	0.67	1.500	0.99998
4373	3	6.45	8	967	749	0.011	120.88	1.29	1.000	0.99997
4385	2	2.98	14	1,253	1,108	0.013	89.50	1.13	2.000	0.99997
4431	6	8.68	6	521	1,351	0.004	86.83	0.39	1.000	0.99999
4432	4	6.62	16	1,883	448	0.036	117.69	4.20	1.143	0.99990
4511	3	2.42	129	4,576	1,118	0.115	35.47	4.09	1.000	0.99991
4512	1	3.88	1	233	932	0.001	233.00	0.25	1.000	0.99999
4602	3	2.90	22	1,431	932	0.024	65.05	1.54	1.000	0.99996
5601	2	1.35	7	338	1,147	0.006	48.29	0.29	1.000	0.99999
5603	5	6.99	41	2,441	1,247	0.033	59.54	1.96	1.051	0.99995
5901	1	0.75	32	1,467	573	0.056	45.84	2.56	1.000	0.99994
5902	2	1.17	1,009	22,644	1,008	1.001	22.44	22.46	1.001	0.99948
5903	1	1.88	1	113	210	0.005	113.00	0.54	1.000	0.99999
5904	1	1.30	8	629	1,094	0.007	78.63	0.57	1.000	0.99999
6023	1	0.87	14	741	459	0.031	52.93	1.61	1.000	0.99996
6024	1	0.55	9	298	387	0.023	33.11	0.77	1.000	0.99998
6141	1	1.70	1	102	621	0.002	102.00	0.16	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	530	1,342.95	24,433	3,551,425	160,375	0.152	145.35	22.14	1.171	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2013 to 7/31/2013
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	6	6.31	330	24,133	1,490	0.221	73.13	16.20	1.028	0.99964
1051	4	25.90	295	24,180	1,066	0.277	81.97	22.68	1.007	0.99949
1082	18	22.78	1,417	121,838	1,293	1.096	85.98	94.23	1.096	0.99789
1091	4	12.50	752	24,683	707	1.064	32.82	34.91	1.064	0.99922
1092	4	1.50	4	90	934	0.004	22.50	0.10	1.000	0.99999
1094	5	7.46	65	5,763	1,214	0.054	88.66	4.75	1.066	0.99989
1101	3	2.62	123	6,053	965	0.127	49.21	6.27	1.008	0.99986
1102	4	8.20	28	3,084	630	0.044	110.14	4.90	1.000	0.99989
1142	1	0.70	13	553	214	0.061	42.54	2.58	1.000	0.99994
1211	4	6.52	36	4,192	1,473	0.024	116.44	2.85	1.059	0.99994
1213	1	1.75	1	105	541	0.002	105.00	0.19	1.000	0.99999
1230	3	3.04	1,208	77,882	1,181	1.023	64.47	65.95	1.023	0.99852
1232	6	5.41	221	17,027	1,173	0.188	77.05	14.52	1.169	0.99967
1233	1	1.52	32	2,852	638	0.050	89.13	4.47	1.000	0.99990
1243	4	4.90	58	3,694	1,191	0.049	63.69	3.10	1.036	0.99993
1261	2	3.48	2	209	387	0.005	104.50	0.54	1.000	0.99999
1263	2	1.03	53	1,524	1,100	0.048	28.75	1.39	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1265	6	5.22	1,354	109,658	1,272	1.064	80.99	86.21	1.064	0.99807
1271	4	6.80	4	408	933	0.004	102.00	0.44	1.000	0.99999
1273	1	0.63	72	2,763	863	0.083	38.38	3.20	1.000	0.99993
1282	2	2.29	108	7,498	914	0.118	69.43	8.20	1.000	0.99982
1283	1	0.67	1	40	361	0.003	40.00	0.11	1.000	0.99999
1311	2	5.90	269	83,137	268	1.004	309.06	310.21	1.004	0.99305
1312	1	1.53	27	2,495	916	0.029	92.41	2.72	1.000	0.99994
1451	1	1.72	1	103	512	0.002	103.00	0.20	1.000	0.99999
1453	1	0.47	7	202	1,792	0.004	28.86	0.11	1.000	0.99999
1521	1	1.67	20	2,005	354	0.056	100.25	5.66	1.000	0.99987
1523	12	26.25	28	3,628	708	0.040	129.57	5.12	1.037	0.99989
1842	4	3.90	4	234	276	0.014	58.50	0.85	1.000	0.99998
1843	3	4.07	35	2,285	1,075	0.033	65.29	2.13	1.029	0.99995
2091	3	6.05	198	33,149	871	0.227	167.42	38.06	1.059	0.99915
2092	1	1.30	1	78	902	0.001	78.00	0.09	1.000	0.99999
2171	2	1.57	555	23,698	554	1.002	42.70	42.78	1.002	0.99904
2172	1	0.67	218	8,847	218	1.000	40.58	40.58	1.000	0.99909
2211	9	4.08	59	1,814	720	0.082	30.75	2.52	1.054	0.99994
2212	6	8.48	22	1,552	1,262	0.017	70.55	1.23	2.200	0.99997
2511	1	1.08	25	1,639	611	0.041	65.56	2.68	1.000	0.99994
2621	4	4.78	34	2,718	1,138	0.030	79.94	2.39	1.063	0.99995
2921	3	18.09	82	43,821	406	0.202	534.40	107.93	1.079	0.99758

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2951	1	0.80	1	48	1,366	0.001	48.00	0.04	1.000	0.99999
3081	1	1.13	3	204	566	0.005	68.00	0.36	1.000	0.99999
3121	2	1.53	116	6,925	1,107	0.105	59.70	6.26	1.009	0.99986
3122	4	6.87	59	4,203	840	0.070	71.24	5.00	1.000	0.99989
3123	1	1.70	12	1,226	1,027	0.012	102.17	1.19	1.000	0.99997
3181	2	1.97	2	118	712	0.003	59.00	0.17	1.000	0.99999
3221	3	3.74	121	9,969	1,226	0.099	82.39	8.13	2.200	0.99982
3231	2	1.48	412	31,809	411	1.002	77.21	77.39	1.002	0.99827
3232	2	4.53	16	2,412	421	0.038	150.75	5.73	1.000	0.99987
3301	1	1.83	13	1,432	205	0.063	110.15	6.99	1.000	0.99984
3311	1	4.90	1	294	527	0.002	294.00	0.56	1.000	0.99999
3313	1	0.08	1	5	1,229	0.001	5.00	0.00	1.000	0.99999
3314	1	0.63	1	38	222	0.005	38.00	0.17	1.000	0.99999
3315	1	0.48	1	29	1,566	0.001	29.00	0.02	1.000	0.99999
3422	1	1.67	8	805	964	0.008	100.63	0.84	1.000	0.99998
3471	3	3.44	41	2,256	164	0.250	55.02	13.76	1.051	0.99969
3472	10	10.48	1,673	199,594	1,552	1.078	119.30	128.60	1.075	0.99712
3551	1	0.35	1	21	1,021	0.001	21.00	0.02	1.000	0.99999
3552	3	4.88	20	1,451	571	0.035	72.55	2.54	1.000	0.99994
3591	2	0.93	38	1,183	1,127	0.034	31.13	1.05	1.000	0.99998
3592	5	5.92	23	1,448	1,705	0.013	62.96	0.85	1.000	0.99998
3593	2	2.60	67	5,745	932	0.072	85.75	6.16	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3594	1	2.00	22	2,656	636	0.035	120.73	4.18	1.000	0.99991
3621	3	5.45	38	2,210	1,540	0.025	58.16	1.44	1.027	0.99997
3661	6	9.03	30	2,409	1,110	0.027	80.30	2.17	1.071	0.99995
3662	3	2.62	1,141	89,035	1,139	1.002	78.03	78.17	1.002	0.99825
3663	1	4.12	30	7,428	785	0.038	247.60	9.46	1.000	0.99979
3691	2	2.02	1,163	74,236	1,143	1.017	63.83	64.95	1.017	0.99855
3692	1	0.65	1	39	403	0.002	39.00	0.10	1.000	0.99999
3694	1	2.72	1	163	1,241	0.001	163.00	0.13	1.000	0.99999
3702	3	4.55	54	3,355	594	0.091	62.13	5.65	1.019	0.99987
3751	3	3.93	3	236	863	0.003	78.67	0.27	1.000	0.99999
3871	3	3.05	67	2,779	1,373	0.049	41.48	2.02	1.000	0.99995
3872	3	4.70	114	7,816	1,065	0.107	68.56	7.34	1.000	0.99984
3873	1	1.23	37	2,758	788	0.047	74.54	3.50	1.000	0.99992
3891	2	1.32	320	5,252	430	0.744	16.41	12.21	1.003	0.99973
3893	4	3.35	4	201	1,090	0.004	50.25	0.18	1.000	0.99999
3894	3	7.33	28	7,069	116	0.241	252.46	60.94	1.000	0.99863
3901	4	7.03	23	2,506	866	0.027	108.96	2.89	1.000	0.99994
3902	2	2.18	98	7,021	97	1.010	71.64	72.38	1.010	0.99838
3903	1	2.73	1	164	286	0.003	164.00	0.57	1.000	0.99999
3912	1	0.93	8	448	904	0.009	56.00	0.50	1.000	0.99999
3913	1	10.70	252	161,433	949	0.266	640.61	170.11	1.000	0.99619
3914	9	11.00	55	7,119	656	0.084	129.44	10.85	1.038	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3951	4	4.31	971	97,282	897	1.082	100.19	108.45	1.079	0.99757
3952	2	1.85	2	111	1,221	0.002	55.50	0.09	1.000	0.99999
3953	2	2.21	7	343	514	0.014	49.00	0.67	1.167	0.99999
3971	4	9.02	115	14,941	651	0.177	129.92	22.95	1.009	0.99949
3981	6	7.59	680	52,504	1,484	0.458	77.21	35.38	1.040	0.99921
3982	4	9.15	466	48,889	1,749	0.266	104.91	27.95	1.000	0.99937
3991	4	5.75	4	345	721	0.006	86.25	0.48	1.000	0.99999
3992	1	1.42	1	85	162	0.006	85.00	0.52	1.000	0.99999
403	1	2.52	7	1,062	263	0.027	151.71	4.04	1.000	0.99991
4031	2	6.03	61	6,585	687	0.089	107.95	9.59	1.000	0.99979
4091	2	2.29	2	137	1,140	0.002	68.50	0.12	1.000	0.99999
4092	6	4.51	428	34,129	422	1.014	79.74	80.87	1.012	0.99819
4101	1	1.15	1	69	575	0.002	69.00	0.12	1.000	0.99999
4102	1	2.37	1	142	895	0.001	142.00	0.16	1.000	0.99999
4131	1	1.12	196	13,243	196	1.000	67.57	67.57	1.000	0.99849
4133	1	1.20	630	45,443	630	1.000	72.13	72.13	1.000	0.99838
4134	1	1.22	822	60,406	829	0.992	73.49	72.87	1.000	0.99837
4135	1	0.68	1	41	58	0.017	41.00	0.71	1.000	0.99998
4141	1	1.98	1	119	81	0.012	119.00	1.47	1.000	0.99997
4151	2	1.93	37	1,380	1,231	0.030	37.30	1.12	1.000	0.99997
4153	4	6.02	16	1,642	1,285	0.012	102.63	1.28	1.000	0.99997
4155	2	2.33	9	692	2,050	0.004	76.89	0.34	1.125	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4171	4	3.38	71	4,120	891	0.080	58.03	4.62	1.076	0.99990
4172	6	6.10	30	2,524	1,671	0.018	84.13	1.51	1.000	0.99997
4173	1	4.52	1	271	617	0.002	271.00	0.44	1.000	0.99999
4182	2	2.51	107	7,972	999	0.107	74.50	7.98	1.009	0.99982
4211	4	4.35	76	6,524	668	0.114	85.84	9.77	1.027	0.99978
4212	6	7.65	46	3,082	801	0.057	67.00	3.85	1.000	0.99991
4221	6	10.51	434	31,569	492	0.882	72.74	64.16	1.061	0.99856
4222	4	3.46	8	396	995	0.008	49.50	0.40	2.000	0.99999
4223	1	0.98	10	597	541	0.018	59.70	1.10	1.000	0.99998
4303	1	0.57	33	1,131	853	0.039	34.27	1.33	1.000	0.99997
4311	2	2.26	2	136	1,154	0.002	68.00	0.12	1.000	0.99999
4312	2	0.89	126	3,236	825	0.153	25.68	3.92	1.016	0.99991
4313	2	1.60	15	769	314	0.048	51.27	2.45	1.000	0.99995
4324	2	4.09	66	7,310	1,173	0.056	110.76	6.23	1.000	0.99986
4341	16	18.21	27	1,623	1,738	0.016	60.11	0.93	1.038	0.99998
4342	2	3.05	2	183	1,716	0.001	91.50	0.11	1.000	0.99999
4343	2	2.68	207	24,858	1,017	0.204	120.09	24.44	1.095	0.99945
4361	4	2.52	113	5,870	1,633	0.069	51.95	3.59	1.018	0.99992
4362	1	21.27	1	17	817	0.001	17.00	0.02	1.000	0.99999
4363	2	2.95	7	742	1,570	0.004	106.00	0.47	1.167	0.99999
4371	9	11.95	107	6,272	1,525	0.070	58.62	4.11	1.151	0.99991
4372	1	1.73	1	104	426	0.002	104.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4373	3	5.16	50	4,728	749	0.067	94.56	6.31	1.042	0.99986
4383	1	1.10	62	4,066	141	0.440	65.58	28.84	1.000	0.99935
4431	7	20.59	10	1,417	1,351	0.007	141.70	1.05	1.000	0.99998
4432	1	1.18	10	719	448	0.022	71.90	1.60	1.000	0.99996
4511	3	2.40	3	144	1,118	0.003	48.00	0.13	1.000	0.99999
4601	3	4.83	17	1,626	407	0.042	95.65	4.00	1.063	0.99991
4602	5	7.58	129	10,646	932	0.138	82.53	11.42	1.024	0.99974
5601	2	1.18	2	71	1,147	0.002	35.50	0.06	1.000	0.99999
5603	11	17.18	172	16,799	1,247	0.138	97.67	13.47	1.006	0.99970
5902	2	8.10	60	2,885	1,008	0.060	48.08	2.86	1.000	0.99994
5904	1	0.97	86	5,003	1,094	0.079	58.17	4.57	1.000	0.99990
6023	1	1.03	1	62	459	0.002	62.00	0.14	1.000	0.99999
6024	1	0.73	34	1,516	387	0.088	44.59	3.92	1.000	0.99991
6141	4	5.06	7	493	621	0.011	70.43	0.79	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	427	648.39	20,473	1,846,253	160,375	0.128	90.18	11.51	1.038	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2013 to 8/31/2013
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	1	7.35	167	73,558	1,066	0.157	440.47	69.00	1.000	0.99845
1082	4	6.12	4	367	1,294	0.003	91.75	0.28	1.000	0.99999
1091	2	2.61	61	6,666	706	0.086	109.28	9.44	1.000	0.99979
1094	3	6.55	43	2,748	1,216	0.035	63.91	2.26	1.000	0.99995
1101	1	0.67	101	4,130	967	0.104	40.89	4.27	1.000	0.99990
1102	1	1.00	2	121	543	0.004	60.50	0.22	1.000	0.99999
1141	1	0.70	1	42	900	0.001	42.00	0.05	1.000	0.99999
1211	5	7.29	5	438	1,473	0.003	87.60	0.30	1.000	0.99999
1212	2	2.32	2	139	325	0.006	69.50	0.43	1.000	0.99999
1213	1	1.03	1	62	541	0.002	62.00	0.11	1.000	0.99999
1230	1	0.67	17	689	1,181	0.014	40.53	0.58	1.000	0.99999
1232	1	0.72	32	1,376	1,174	0.027	43.00	1.17	1.000	0.99997
1263	1	0.98	15	847	1,104	0.014	56.47	0.77	1.000	0.99998
1265	2	3.29	111	17,684	1,273	0.087	159.32	13.89	1.000	0.99969
1271	2	1.67	14	643	933	0.015	45.93	0.69	1.077	0.99998
1282	2	1.11	118	3,287	915	0.129	27.86	3.59	1.000	0.99992
1283	1	0.62	1	37	361	0.003	37.00	0.10	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1311	1	1.33	1	80	268	0.004	80.00	0.30	1.000	0.99999
1312	6	6.40	26	1,580	916	0.028	60.77	1.72	1.238	0.99996
1451	1	0.90	1	54	511	0.002	54.00	0.11	1.000	0.99999
1452	1	0.47	1	28	451	0.002	28.00	0.06	1.000	0.99999
1453	1	1.07	1	64	1,792	0.001	64.00	0.04	1.000	0.99999
1521	4	7.54	4	452	354	0.011	113.00	1.28	1.000	0.99997
1522	2	4.70	3	467	100	0.030	155.67	4.67	1.000	0.99990
1523	6	14.90	14	2,074	708	0.020	148.14	2.93	1.077	0.99993
1843	2	1.55	66	3,125	1,076	0.061	47.35	2.90	1.031	0.99993
2091	2	3.04	2	182	872	0.002	91.00	0.21	1.000	0.99999
2172	14	21.88	107	13,961	218	0.491	130.48	64.04	1.049	0.99857
2211	7	6.88	9	474	720	0.013	52.67	0.66	1.125	0.99999
2212	4	6.52	54	5,062	1,264	0.043	93.74	4.00	1.019	0.99991
2511	1	0.87	1	52	612	0.002	52.00	0.08	1.000	0.99999
2621	4	3.97	29	2,276	1,138	0.025	78.48	2.00	1.115	0.99996
2921	5	12.97	44	8,621	406	0.108	195.93	21.23	1.048	0.99952
2951	2	10.21	2	613	1,368	0.001	306.50	0.45	1.000	0.99999
2952	1	0.72	23	1,001	151	0.152	43.52	6.63	1.000	0.99985
2961	2	3.45	7	694	646	0.011	99.14	1.07	1.000	0.99998
3081	1	1.40	1	84	566	0.002	84.00	0.15	1.000	0.99999
3121	1	3.25	1	195	1,113	0.001	195.00	0.18	1.000	0.99999
3122	2	5.20	84	17,801	840	0.100	211.92	21.19	1.000	0.99953

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3123	1	2.20	12	1,590	1,028	0.012	132.50	1.55	1.000	0.99997
3181	3	4.09	25	2,030	713	0.035	81.20	2.85	1.000	0.99994
3221	29	51.53	58	5,574	1,227	0.047	96.10	4.54	1.036	0.99990
3222	1	2.32	1	139	762	0.001	139.00	0.18	1.000	0.99999
3231	1	2.70	1	162	411	0.002	162.00	0.39	1.000	0.99999
3232	5	13.67	21	4,563	421	0.050	217.29	10.84	1.105	0.99976
3301	1	1.70	1	102	205	0.005	102.00	0.50	1.000	0.99999
3303	2	3.49	2	209	976	0.002	104.50	0.21	1.000	0.99999
3311	1	4.98	475	142,028	529	0.898	299.01	268.48	1.000	0.99399
3312	1	0.90	1	54	373	0.003	54.00	0.14	1.000	0.99999
3313	1	0.98	1	59	1,231	0.001	59.00	0.05	1.000	0.99999
3315	2	5.83	2	350	1,566	0.001	175.00	0.22	1.000	0.99999
3421	1	0.83	1	50	283	0.004	50.00	0.18	1.000	0.99999
3422	6	16.53	133	8,117	964	0.138	61.03	8.42	1.023	0.99981
3472	9	15.43	180	14,356	1,554	0.116	79.76	9.24	1.000	0.99979
3551	2	1.95	66	4,745	1,019	0.065	71.89	4.66	1.015	0.99990
3552	2	5.35	28	5,831	570	0.049	208.25	10.23	1.000	0.99977
3553	4	8.25	4	495	1,024	0.004	123.75	0.48	1.000	0.99999
3592	4	7.97	76	11,343	1,707	0.045	149.25	6.64	1.041	0.99985
3621	4	5.55	210	14,421	1,540	0.136	68.67	9.36	1.045	0.99979
3662	3	7.87	1,147	48,063	948	1.210	41.90	50.70	1.007	0.99886
3663	4	2.50	4	150	776	0.005	37.50	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3671	3	7.35	23	4,543	884	0.026	197.52	5.14	1.917	0.99988
3691	1	0.88	20	1,065	1,143	0.017	53.25	0.93	1.000	0.99998
3692	3	7.73	405	45,069	404	1.002	111.28	111.56	1.010	0.99750
3694	1	1.38	1	83	1,242	0.001	83.00	0.07	1.000	0.99999
3701	3	5.53	16	1,300	476	0.034	81.25	2.73	1.000	0.99994
3702	1	2.00	1	120	595	0.002	120.00	0.20	1.000	0.99999
3871	4	5.93	24	1,627	1,376	0.017	67.79	1.18	1.043	0.99997
3872	1	0.35	19	405	1,065	0.018	21.32	0.38	1.000	0.99999
3891	5	5.83	33	2,259	430	0.077	68.45	5.25	1.138	0.99988
3893	3	2.37	34	1,260	1,090	0.031	37.06	1.16	1.030	0.99997
3894	3	1.86	5	210	116	0.043	42.00	1.81	1.000	0.99996
3901	1	0.60	1	36	867	0.001	36.00	0.04	1.000	0.99999
3903	1	2.72	1	163	286	0.003	163.00	0.57	1.000	0.99999
3913	6	8.16	1,082	116,495	949	1.140	107.67	122.76	1.152	0.99725
3914	1	2.32	1	139	657	0.002	139.00	0.21	1.000	0.99999
3951	7	8.98	25	2,005	899	0.028	80.20	2.23	1.087	0.99995
3952	5	5.32	112	6,905	1,227	0.091	61.65	5.63	1.143	0.99987
3953	3	6.37	31	2,278	513	0.060	73.48	4.44	1.033	0.99990
3981	1	0.93	41	2,321	1,486	0.028	56.61	1.56	1.000	0.99997
3982	4	2.87	173	5,944	1,749	0.099	34.36	3.40	1.000	0.99992
3991	2	2.10	2	126	720	0.003	63.00	0.18	1.000	0.99999
4031	1	1.02	114	6,998	687	0.166	61.39	10.19	1.000	0.99977

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4091	3	6.35	3	381	1,140	0.003	127.00	0.33	1.000	0.99999
4092	16	16.75	460	27,578	422	1.090	59.95	65.35	1.087	0.99854
4101	3	3.28	95	6,599	576	0.165	69.46	11.46	1.011	0.99974
4102	1	0.92	18	996	896	0.020	55.33	1.11	1.000	0.99998
4132	19	15.72	27	1,401	566	0.048	51.89	2.48	1.038	0.99994
4133	2	3.53	2	212	630	0.003	106.00	0.34	1.000	0.99999
4137	4	3.85	138	4,840	786	0.176	35.07	6.16	1.015	0.99986
4138	1	4.28	1	257	746	0.001	257.00	0.34	1.000	0.99999
4141	6	6.36	6	381	81	0.074	63.50	4.70	1.000	0.99989
4142	1	1.52	1	91	588	0.002	91.00	0.15	1.000	0.99999
4151	2	2.35	47	3,741	1,232	0.038	79.60	3.04	1.000	0.99993
4154	2	3.01	2	181	1,138	0.002	90.50	0.16	1.000	0.99999
4172	2	5.07	101	9,582	1,674	0.060	94.87	5.72	1.000	0.99987
4182	3	3.70	46	1,458	1,001	0.046	31.70	1.46	1.000	0.99997
4211	3	6.63	45	5,932	671	0.067	131.82	8.84	1.023	0.99980
4212	6	6.38	93	5,834	802	0.116	62.73	7.27	1.033	0.99984
4221	3	5.31	3	319	494	0.006	106.33	0.65	1.000	0.99999
4222	8	14.05	1,007	69,919	996	1.011	69.43	70.20	1.012	0.99843
4224	1	4.85	4	1,167	752	0.005	291.75	1.55	1.000	0.99997
4303	2	2.01	2	121	854	0.002	60.50	0.14	2.000	0.99999
4311	1	1.72	1	103	1,154	0.001	103.00	0.09	1.000	0.99999
4312	2	4.35	28	3,663	826	0.034	130.82	4.43	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4322	1	2.35	1	141	90	0.011	141.00	1.57	1.000	0.99996
4324	1	1.05	1	63	1,184	0.001	63.00	0.05	1.000	0.99999
4331	1	1.25	299	22,479	298	1.003	75.18	75.43	1.000	0.99831
4333	1	1.12	1	67	549	0.002	67.00	0.12	1.000	0.99999
4334	9	7.55	974	76,254	300	3.247	78.29	254.18	1.008	0.99431
4341	5	4.93	52	3,144	1,741	0.030	60.46	1.81	1.020	0.99996
4342	3	3.32	104	12,094	1,718	0.061	116.29	7.04	1.010	0.99984
4343	3	3.74	36	2,602	1,018	0.035	72.28	2.56	1.059	0.99994
4362	1	1.22	34	2,484	818	0.042	73.06	3.04	1.000	0.99993
4363	1	2.23	1	134	1,574	0.001	134.00	0.09	1.000	0.99999
4371	3	2.48	127	7,308	1,526	0.083	57.54	4.79	1.008	0.99989
4372	2	6.27	4	516	426	0.009	129.00	1.21	1.333	0.99997
4373	5	5.95	528	36,819	748	0.706	69.73	49.22	1.008	0.99890
4381	2	5.05	318	47,577	316	1.006	149.61	150.56	1.003	0.99663
4385	1	0.78	33	1,578	1,108	0.030	47.82	1.42	1.000	0.99997
4386	1	4.50	285	77,087	1,647	0.173	270.48	46.80	1.000	0.99895
4431	3	4.85	15	1,831	1,352	0.011	122.07	1.35	1.154	0.99997
4432	1	3.73	1	224	449	0.002	224.00	0.50	1.000	0.99999
4511	1	0.60	16	582	1,118	0.014	36.38	0.52	1.000	0.99999
453	1	0.28	1	17	129	0.008	17.00	0.13	1.000	0.99999
5601	5	5.54	243	21,343	1,148	0.212	87.83	18.59	1.017	0.99958
5603	4	3.35	4	201	1,250	0.003	50.25	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5902	1	4.82	15	4,341	1,009	0.015	289.40	4.30	1.000	0.99990
5903	2	2.53	10	558	210	0.048	55.80	2.66	1.000	0.99994
5904	4	4.04	57	1,767	1,098	0.052	31.00	1.61	1.118	0.99996
5905	3	4.70	62	6,987	1,800	0.034	112.69	3.88	1.000	0.99991
6021	4	11.53	83	12,372	486	0.171	149.06	25.46	1.051	0.99943
6022	1	0.32	1	19	374	0.003	19.00	0.05	1.000	0.99999
6023	3	10.63	21	3,320	460	0.046	158.10	7.22	1.050	0.99984
6024	1	3.30	1	198	387	0.003	198.00	0.51	1.000	0.99999
6141	5	4.86	24	724	622	0.039	30.17	1.16	1.091	0.99997
6142	1	1.82	1	109	301	0.003	109.00	0.36	1.000	0.99999
6143	1	1.57	39	3,702	370	0.105	94.92	10.01	1.000	0.99978
6144	1	1.20	1	72	314	0.003	72.00	0.23	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	421	658.59	11,312	1,131,026	160,093	0.071	99.98	7.06	1.013	0.99984

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
9/1/2013 to 9/30/2013
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	13	11.37	1,421	83,712	1,491	0.953	58.91	56.14	1.022	0.99870
1051	5	12.24	1,100	102,439	1,065	1.033	93.13	96.19	1.033	0.99777
1052	1	1.37	289	23,698	289	1.000	82.00	82.00	1.000	0.99810
1082	8	9.04	197	12,070	1,296	0.152	61.27	9.31	1.053	0.99978
1091	5	7.22	779	77,869	706	1.103	99.96	110.30	1.146	0.99745
1092	1	1.35	1	81	935	0.001	81.00	0.09	1.000	0.99999
1093	2	1.98	29	784	228	0.127	27.03	3.44	1.000	0.99992
1094	3	2.99	109	6,732	1,217	0.090	61.76	5.53	1.019	0.99987
1101	2	2.12	2	127	969	0.002	63.50	0.13	1.000	0.99999
1102	2	2.62	457	46,787	456	1.002	102.38	102.60	1.002	0.99762
1141	1	1.17	1	70	900	0.001	70.00	0.08	1.000	0.99999
1211	3	3.68	80	5,478	1,473	0.054	68.48	3.72	1.111	0.99991
1212	1	2.18	1	131	325	0.003	131.00	0.40	1.000	0.99999
1232	1	1.93	8	931	1,174	0.007	116.38	0.79	1.000	0.99998
1241	2	2.50	2	150	835	0.002	75.00	0.18	1.000	0.99999
1242	1	0.80	15	723	673	0.022	48.20	1.07	1.000	0.99998
1265	2	2.97	13	842	1,274	0.010	64.77	0.66	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	2	1.56	40	2,162	933	0.043	54.05	2.32	1.000	0.99995
1272	1	5.63	9	3,043	13	0.692	338.11	234.08	1.000	0.99458
1273	3	2.35	145	5,687	863	0.168	39.22	6.59	1.007	0.99985
1281	1	1.78	3	323	113	0.027	107.67	2.86	1.000	0.99993
1282	1	1.42	8	686	916	0.009	85.75	0.75	1.000	0.99998
1284	3	5.87	11	1,657	856	0.013	150.64	1.94	1.222	0.99996
1285	2	5.38	358	57,968	1,081	0.331	161.92	53.62	2.000	0.99876
1311	2	2.29	272	27,052	267	1.019	99.46	101.32	1.023	0.99765
1312	3	3.24	938	94,309	916	1.024	100.54	102.96	1.024	0.99762
1451	1	1.47	15	1,331	510	0.029	88.73	2.61	1.000	0.99994
1453	4	5.17	401	63,188	1,793	0.224	157.58	35.24	1.008	0.99918
1454	5	4.15	9	377	910	0.010	41.89	0.41	1.000	0.99999
1455	2	3.04	9	694	376	0.024	77.11	1.85	1.000	0.99996
1521	2	2.38	3	241	354	0.008	80.33	0.68	1.000	0.99998
1522	1	1.60	100	9,604	100	1.000	96.04	96.04	1.000	0.99778
1523	1	1.52	6	551	709	0.008	91.83	0.78	1.000	0.99998
1843	2	2.37	63	3,824	1,078	0.058	60.70	3.55	1.016	0.99992
2091	1	1.78	1	107	872	0.001	107.00	0.12	1.000	0.99999
2171	1	0.52	1	31	555	0.002	31.00	0.06	1.000	0.99999
2211	1	0.77	40	1,863	720	0.056	46.58	2.59	1.000	0.99994
2212	1	0.65	1	39	1,265	0.001	39.00	0.03	1.000	0.99999
2621	3	2.93	9	608	1,139	0.008	67.56	0.53	1.125	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2622	2	7.85	19	4,937	112	0.170	259.84	44.08	1.000	0.99898
2921	2	4.81	33	4,551	406	0.081	137.91	11.21	1.000	0.99974
2951	1	1.37	1	82	1,371	0.001	82.00	0.06	1.000	0.99999
3081	1	1.72	1	103	566	0.002	103.00	0.18	1.000	0.99999
3121	1	0.18	1,119	13,297	1,119	1.000	11.88	11.88	1.000	0.99972
3122	3	3.83	75	5,947	841	0.089	79.29	7.07	1.014	0.99984
3181	6	7.38	754	22,691	714	1.056	30.09	31.78	1.056	0.99926
3221	5	5.14	44	2,606	1,228	0.036	59.23	2.12	1.100	0.99995
3222	1	0.82	14	694	761	0.018	49.57	0.91	1.000	0.99998
3303	2	3.46	978	166,469	977	1.001	170.21	170.39	1.001	0.99606
3311	2	7.00	175	12,207	531	0.330	69.75	22.99	1.000	0.99947
3314	1	3.43	14	2,896	222	0.063	206.86	13.05	1.000	0.99970
3315	2	1.73	102	4,785	1,565	0.065	46.91	3.06	1.000	0.99993
3422	4	5.90	983	86,528	964	1.020	88.02	89.76	1.019	0.99792
3471	2	3.06	170	17,114	164	1.037	100.67	104.35	1.037	0.99758
3472	8	10.54	1,601	159,521	1,555	1.030	99.64	102.59	1.036	0.99763
3551	2	3.32	2	199	1,017	0.002	99.50	0.20	1.000	0.99999
3552	1	6.08	10	3,653	570	0.018	365.30	6.41	1.000	0.99985
3553	1	0.83	7	353	1,024	0.007	50.43	0.34	1.000	0.99999
3591	2	3.20	19	1,419	1,130	0.017	74.68	1.26	1.000	0.99997
3592	3	1.60	5	216	1,709	0.003	43.20	0.13	1.000	0.99999
3594	2	2.70	23	2,878	639	0.036	125.13	4.50	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3621	3	4.51	25	2,095	1,539	0.016	83.80	1.36	1.042	0.99997
3661	2	1.65	2	99	1,010	0.002	49.50	0.10	1.000	0.99999
3663	5	3.79	75	3,603	768	0.098	48.04	4.69	1.014	0.99989
3664	2	1.35	37	1,912	499	0.074	51.68	3.83	1.028	0.99991
3694	1	2.97	2	356	1,244	0.002	178.00	0.29	1.000	0.99999
3701	3	4.93	125	8,136	477	0.262	65.09	17.06	1.087	0.99961
3702	1	1.15	8	554	596	0.013	69.25	0.93	1.000	0.99998
3751	1	1.27	1	76	866	0.001	76.00	0.09	1.000	0.99999
3872	4	5.88	18	1,028	1,065	0.017	57.11	0.97	1.059	0.99998
3891	2	3.13	2	188	431	0.005	94.00	0.44	1.000	0.99999
3892	1	4.55	1	273	467	0.002	273.00	0.58	1.000	0.99999
3901	3	6.96	3	417	868	0.003	139.00	0.48	1.000	0.99999
3914	3	3.76	654	27,696	658	0.994	42.35	42.09	1.110	0.99903
3951	4	7.00	203	27,451	901	0.225	135.23	30.47	1.036	0.99929
3952	2	3.38	358	70,501	1,233	0.290	196.93	57.18	1.003	0.99868
3953	1	1.00	1	60	512	0.002	60.00	0.12	1.000	0.99999
3981	1	1.05	1	63	1,488	0.001	63.00	0.04	1.000	0.99999
3982	5	2.08	257	4,361	1,749	0.147	16.97	2.49	1.008	0.99994
3991	1	0.75	1	45	719	0.001	45.00	0.06	1.000	0.99999
4091	1	3.52	1	211	1,140	0.001	211.00	0.19	1.000	0.99999
4092	1	0.90	1	54	422	0.002	54.00	0.13	1.000	0.99999
4101	3	2.89	108	6,321	578	0.187	58.53	10.94	1.000	0.99975

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4102	1	0.47	577	16,713	896	0.644	28.97	18.65	1.000	0.99957
4133	12	10.90	45	4,438	629	0.072	98.62	7.06	1.324	0.99984
4134	1	0.18	1	11	830	0.001	11.00	0.01	1.000	0.99999
4151	3	2.84	40	1,311	1,234	0.032	32.78	1.06	1.081	0.99998
4152	1	0.92	1	55	784	0.001	55.00	0.07	1.000	0.99999
4154	1	0.45	1	27	1,139	0.001	27.00	0.02	1.000	0.99999
4155	1	1.25	2	150	2,055	0.001	75.00	0.07	1.000	0.99999
4171	2	1.87	28	1,754	675	0.041	62.64	2.60	1.037	0.99994
4172	2	1.90	8	525	1,676	0.005	65.63	0.31	1.143	0.99999
4182	2	1.62	45	2,298	1,003	0.045	51.07	2.29	1.000	0.99995
4211	1	1.07	9	581	674	0.013	64.56	0.86	1.000	0.99998
4212	7	5.25	84	4,027	802	0.105	47.94	5.02	1.024	0.99988
4221	4	3.62	72	6,124	495	0.145	85.06	12.37	1.014	0.99971
4223	1	1.53	1	92	545	0.002	92.00	0.17	1.000	0.99999
4301	2	4.04	40	4,965	68	0.588	124.13	73.01	1.000	0.99831
4303	1	0.73	33	1,480	855	0.039	44.85	1.73	1.000	0.99996
4311	5	2.37	5	142	1,154	0.004	28.40	0.12	1.000	0.99999
4324	3	40.61	72	6,956	1,196	0.060	96.61	5.82	1.014	0.99987
4341	2	1.71	57	2,542	1,744	0.033	44.60	1.46	1.000	0.99997
4342	5	5.85	97	6,129	1,721	0.056	63.19	3.56	1.000	0.99992
4343	4	5.98	1,062	182,655	1,018	1.043	171.99	179.43	1.043	0.99585
4361	3	1.32	9	340	1,635	0.006	37.78	0.21	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4362	1	1.35	36	2,931	818	0.044	81.42	3.58	1.000	0.99992
4363	2	38.96	32	3,866	1,578	0.020	120.81	2.45	1.032	0.99994
4371	6	10.51	139	30,581	1,527	0.091	220.01	20.03	1.738	0.99954
4372	1	1.12	5	339	427	0.012	67.80	0.79	1.000	0.99998
4385	8	7.61	159	10,415	1,108	0.144	65.50	9.40	1.046	0.99978
4386	2	5.75	2	345	1,647	0.001	172.50	0.21	1.000	0.99999
4431	7	8.85	86	4,509	1,354	0.064	52.43	3.33	1.000	0.99992
4432	1	17.37	1	1,042	450	0.002	1042.00	2.32	1.000	0.99995
4475	1	0.90	1	54	15	0.067	54.00	3.60	1.000	0.99992
4476	1	4.68	1	281	27	0.037	281.00	10.41	1.000	0.99976
4511	1	4.72	20	5,668	1,119	0.018	283.40	5.07	1.000	0.99988
453	1	1.02	1	61	129	0.008	61.00	0.47	1.000	0.99999
4601	1	1.05	28	1,771	407	0.069	63.25	4.35	1.000	0.99990
4602	1	0.43	17	447	934	0.018	26.29	0.48	1.000	0.99999
5601	12	10.92	72	4,907	1,149	0.063	68.15	4.27	1.000	0.99990
5602	1	1.68	1	101	674	0.001	101.00	0.15	1.000	0.99999
5603	3	2.43	50	2,120	1,253	0.040	42.40	1.69	1.020	0.99996
5902	2	2.78	2	167	1,010	0.002	83.50	0.17	1.000	0.99999
5904	2	1.42	88	3,786	1,102	0.080	43.02	3.44	2.000	0.99992
5905	1	2.00	40	4,758	1,823	0.022	118.95	2.61	1.000	0.99994
6022	2	0.88	102	2,751	374	0.273	26.97	7.36	2.000	0.99983
6023	2	2.86	72	8,086	462	0.156	112.31	17.50	1.043	0.99959

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6141	4	6.69	4	401	623	0.006	100.25	0.64	1.000	0.99999
6142	1	2.78	1	167	301	0.003	167.00	0.55	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	328	515.06	18,228	1,639,484	160,314	0.114	89.94	10.23	1.044	0.99976

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2013 to 10/31/2013
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	3.22	1,568	136,052	1,492	1.051	86.77	91.19	1.047	0.99796
1082	1	1.47	1	88	1,297	0.001	88.00	0.07	1.000	0.99999
1091	1	1.92	7	807	706	0.010	115.29	1.14	1.000	0.99997
1092	1	1.58	1	95	936	0.001	95.00	0.10	1.000	0.99999
1093	1	1.05	38	2,391	228	0.167	62.92	10.49	1.000	0.99977
1094	1	0.73	11	485	1,218	0.009	44.09	0.40	1.000	0.99999
1101	1	4.02	103	24,889	970	0.106	241.64	25.66	1.000	0.99943
1141	5	2.72	42	1,125	900	0.047	26.79	1.25	1.077	0.99997
1142	1	0.37	1	22	215	0.005	22.00	0.10	1.000	0.99999
1211	7	5.44	12	626	1,473	0.008	52.17	0.42	1.000	0.99999
1212	4	7.33	522	82,700	324	1.611	158.43	255.25	1.606	0.99428
1213	2	2.88	2	173	541	0.004	86.50	0.32	1.000	0.99999
1230	1	1.27	104	7,912	1,181	0.088	76.08	6.70	1.000	0.99985
1233	3	4.07	640	65,918	638	1.003	103.00	103.32	1.003	0.99769
1241	1	1.07	1	64	836	0.001	64.00	0.08	1.000	0.99999
1243	1	1.38	25	2,097	1,191	0.021	83.88	1.76	1.000	0.99996
1265	2	2.95	11	1,242	1,274	0.009	112.91	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	1	0.70	4	170	934	0.004	42.50	0.18	1.000	0.99999
1285	1	1.15	180	12,406	1,081	0.167	68.92	11.48	1.000	0.99974
1451	1	0.83	1	50	510	0.002	50.00	0.10	1.000	0.99999
1452	1	0.62	1	37	451	0.002	37.00	0.08	1.000	0.99999
1453	5	3.66	197	5,775	1,790	0.110	29.31	3.23	1.010	0.99993
1454	1	0.83	1	50	917	0.001	50.00	0.05	1.000	0.99999
1521	1	2.55	69	10,565	354	0.195	153.12	29.84	1.000	0.99933
1523	2	0.95	2	57	710	0.003	28.50	0.08	1.000	0.99999
1843	1	0.95	70	4,027	1,078	0.065	57.53	3.74	1.000	0.99992
2051	1	2.30	21	2,898	160	0.131	138.00	18.11	1.000	0.99959
2091	1	0.62	1	37	872	0.001	37.00	0.04	1.000	0.99999
2211	2	2.35	47	2,693	720	0.065	57.30	3.74	1.022	0.99992
2212	2	6.05	100	18,213	1,266	0.079	182.13	14.39	1.020	0.99968
2511	3	3.39	3	203	612	0.005	67.67	0.33	1.000	0.99999
2921	1	2.88	1	173	407	0.002	173.00	0.43	1.000	0.99999
2951	2	4.72	4	459	1,372	0.003	114.75	0.33	1.000	0.99999
2962	1	3.72	1	223	252	0.004	223.00	0.88	1.000	0.99998
3121	1	1.13	1	68	1,119	0.001	68.00	0.06	1.000	0.99999
3122	3	6.76	1,191	164,211	843	1.413	137.88	194.79	1.023	0.99564
3123	1	0.93	1	56	1,028	0.001	56.00	0.05	1.000	0.99999
3221	24	14.12	63	1,932	1,228	0.051	30.67	1.57	1.000	0.99996
3222	1	1.27	14	1,064	760	0.018	76.00	1.40	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3315	1	0.48	71	2,114	1,565	0.045	29.77	1.35	1.000	0.99997
3422	2	1.05	44	1,379	964	0.046	31.34	1.43	1.000	0.99997
3471	2	2.99	40	2,048	164	0.244	51.20	12.49	1.026	0.99972
3472	5	8.46	78	11,366	1,558	0.050	145.72	7.30	1.000	0.99984
3591	2	1.33	44	1,863	1,130	0.039	42.34	1.65	1.000	0.99996
3592	5	6.36	93	4,043	1,710	0.054	43.47	2.36	1.057	0.99995
3594	1	0.58	26	918	640	0.041	35.31	1.43	1.000	0.99997
3621	2	4.57	2	274	1,539	0.001	137.00	0.18	2.000	0.99999
3661	4	5.78	303	26,224	1,010	0.300	86.55	25.96	1.423	0.99942
3663	5	3.57	8	423	771	0.010	52.88	0.55	1.143	0.99999
3664	13	9.18	303	13,381	500	0.606	44.16	26.76	1.017	0.99940
3671	3	1.55	6	193	884	0.007	32.17	0.22	1.000	0.99999
3691	2	1.62	41	2,027	1,144	0.036	49.44	1.77	1.000	0.99996
3694	2	1.20	90	3,259	1,245	0.072	36.21	2.62	2.000	0.99994
3701	7	5.92	515	44,700	477	1.080	86.80	93.71	1.080	0.99790
3751	2	0.98	21	515	867	0.024	24.52	0.59	1.050	0.99999
3871	2	1.63	2	98	1,380	0.001	49.00	0.07	1.000	0.99999
3872	3	2.17	27	1,056	1,066	0.025	39.11	0.99	1.000	0.99998
3873	1	0.70	1	42	790	0.001	42.00	0.05	1.000	0.99999
3878	1	0.22	27	362	776	0.035	13.41	0.47	1.000	0.99999
3892	1	3.30	6	1,192	467	0.013	198.67	2.55	1.000	0.99994
3893	3	3.07	11	790	1,090	0.010	71.82	0.72	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3901	1	0.17	1	10	869	0.001	10.00	0.01	1.000	0.99999
3913	2	5.93	2	356	949	0.002	178.00	0.38	1.000	0.99999
3914	1	0.98	1	59	660	0.002	59.00	0.09	1.000	0.99999
3952	2	2.39	31	2,138	1,234	0.025	68.97	1.73	1.000	0.99996
3971	2	5.85	99	23,895	654	0.151	241.36	36.54	1.000	0.99918
3981	9	32.14	239	71,206	1,490	0.160	297.93	47.79	1.077	0.99893
3982	2	1.92	35	1,318	1,751	0.020	37.66	0.75	1.000	0.99998
3991	1	1.50	5	454	718	0.007	90.80	0.63	1.000	0.99999
4031	1	4.28	65	16,714	688	0.094	257.14	24.29	1.000	0.99946
4092	3	6.03	3	362	422	0.007	120.67	0.86	1.000	0.99998
4102	1	3.08	6	1,112	898	0.007	185.33	1.24	1.000	0.99997
4133	2	4.55	4	421	630	0.006	105.25	0.67	1.000	0.99999
4137	1	3.07	19	3,497	788	0.024	184.05	4.44	1.000	0.99990
4141	2	2.85	2	171	82	0.024	85.50	2.09	1.000	0.99995
4151	1	1.27	2	152	1,234	0.002	76.00	0.12	1.000	0.99999
4153	3	3.51	125	15,240	1,286	0.097	121.92	11.85	1.016	0.99973
4171	2	1.03	28	840	675	0.041	30.00	1.24	1.000	0.99997
4172	1	1.33	35	2,800	1,678	0.021	80.00	1.67	1.000	0.99996
4182	3	5.55	30	4,961	1,004	0.030	165.37	4.94	1.034	0.99989
4211	1	1.42	674	57,435	674	1.000	85.22	85.22	1.000	0.99809
4212	9	17.09	141	20,563	802	0.176	145.84	25.64	1.000	0.99943
4221	2	1.95	2	117	487	0.004	58.50	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4223	2	3.06	20	716	552	0.036	35.80	1.30	1.000	0.99997
4302	1	0.77	1	46	644	0.002	46.00	0.07	1.000	0.99999
4304	1	0.80	1	48	196	0.005	48.00	0.24	1.000	0.99999
4311	4	2.45	4	147	1,154	0.003	36.75	0.13	1.000	0.99999
433	1	0.23	1	14	78	0.013	14.00	0.18	1.000	0.99999
4342	9	6.42	230	11,281	1,723	0.133	49.05	6.55	1.018	0.99985
4361	2	1.82	2	109	1,635	0.001	54.50	0.07	1.000	0.99999
4363	8	10.85	184	13,779	1,582	0.116	74.89	8.71	1.022	0.99980
4371	4	4.97	29	1,359	1,527	0.019	46.86	0.89	1.074	0.99998
4372	1	1.25	1	75	427	0.002	75.00	0.18	1.000	0.99999
4373	1	1.02	9	554	748	0.012	61.56	0.74	1.000	0.99998
4385	2	4.60	74	10,374	1,108	0.067	140.19	9.36	1.014	0.99979
4431	13	19.09	91	11,876	1,354	0.067	130.51	8.77	1.046	0.99980
4432	5	3.13	29	1,578	450	0.064	54.41	3.51	1.036	0.99992
4511	3	3.19	18	1,300	1,120	0.016	72.22	1.16	1.059	0.99997
453	1	0.80	1	48	129	0.008	48.00	0.37	1.000	0.99999
4602	2	1.49	18	832	936	0.019	46.22	0.89	1.000	0.99998
5601	3	1.85	162	6,469	1,150	0.141	39.93	5.63	1.000	0.99987
5904	2	3.73	73	6,567	1,106	0.066	89.96	5.94	1.000	0.99987
5905	3	4.35	146	12,633	1,828	0.080	86.53	6.91	1.007	0.99985
6021	2	1.08	77	2,469	486	0.158	32.06	5.08	1.000	0.99989
6022	1	0.67	1	40	374	0.003	40.00	0.11	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6024	1	0.48	9	263	388	0.023	29.22	0.68	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	286	358.65	9,551	976,718	160,434	0.060	102.26	6.09	1.057	0.99986

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2013 to 11/30/2013
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	2.67	4	642	1,493	0.003	160.50	0.43	1.000	0.99999
1051	2	1.10	298	10,143	1,065	0.280	34.04	9.52	1.000	0.99978
1082	1	2.90	1	174	1,298	0.001	174.00	0.13	1.000	0.99999
1092	5	4.88	5	293	937	0.005	58.60	0.31	1.000	0.99999
1093	1	0.87	1	52	229	0.004	52.00	0.23	1.000	0.99999
1094	1	1.20	1	72	1,219	0.001	72.00	0.06	1.000	0.99999
1101	2	2.51	22	865	971	0.023	39.32	0.89	1.048	0.99998
1141	4	2.03	23	204	900	0.026	8.87	0.23	1.045	0.99999
1211	2	1.82	66	3,606	1,473	0.045	54.64	2.45	1.535	0.99994
1212	3	2.23	30	566	323	0.093	18.87	1.75	1.071	0.99996
1230	2	2.92	27	1,571	1,181	0.023	58.19	1.33	1.000	0.99997
1232	5	2.80	77	2,745	1,175	0.066	35.65	2.34	1.000	0.99995
1233	1	0.53	105	3,419	638	0.165	32.56	5.36	1.000	0.99988
1241	2	2.07	2	124	836	0.002	62.00	0.15	1.000	0.99999
1243	7	5.18	13	731	1,191	0.011	56.23	0.61	1.000	0.99999
1263	1	1.10	1	66	1,115	0.001	66.00	0.06	1.000	0.99999
1265	2	1.70	2	102	1,275	0.002	51.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	12	15.12	504	31,517	936	0.538	62.53	33.67	1.033	0.99922
1273	1	2.30	1	138	863	0.001	138.00	0.16	1.000	0.99999
1285	2	5.77	233	47,349	1,081	0.216	203.21	43.80	1.000	0.99899
1311	2	7.49	534	120,038	267	2.000	224.79	449.58	2.000	0.98959
1312	1	2.15	916	118,362	916	1.000	129.22	129.22	1.000	0.99701
1453	1	0.43	1	26	1,788	0.001	26.00	0.01	1.000	0.99999
1523	1	0.83	1	50	710	0.001	50.00	0.07	1.000	0.99999
1843	1	2.58	101	15,599	1,078	0.094	154.45	14.47	1.000	0.99967
2171	1	1.03	1	62	555	0.002	62.00	0.11	1.000	0.99999
2172	1	3.27	1	196	218	0.005	196.00	0.90	1.000	0.99998
2211	1	0.95	4	229	720	0.006	57.25	0.32	1.000	0.99999
2621	6	9.49	6	570	1,144	0.005	95.00	0.50	1.000	0.99999
2951	1	0.65	84	3,285	1,373	0.061	39.11	2.39	1.000	0.99994
2961	1	1.53	1	92	645	0.002	92.00	0.14	1.000	0.99999
3081	1	0.88	1	53	566	0.002	53.00	0.09	1.000	0.99999
3082	1	0.42	1	25	321	0.003	25.00	0.08	1.000	0.99999
3181	1	3.52	140	29,600	716	0.196	211.43	41.34	1.000	0.99904
3221	4	7.05	9	658	1,228	0.007	73.11	0.54	1.125	0.99999
3222	2	2.98	2	179	760	0.003	89.50	0.24	1.000	0.99999
3231	1	1.20	1	72	411	0.002	72.00	0.18	1.000	0.99999
3303	4	4.27	1,155	78,483	977	1.182	67.95	80.33	1.028	0.99814
3313	1	0.72	1	43	1,233	0.001	43.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3422	1	0.83	23	1,161	965	0.024	50.48	1.20	1.000	0.99997
3471	3	4.01	179	21,886	164	1.091	122.27	133.45	1.091	0.99691
3472	6	9.07	1,581	203,467	1,560	1.013	128.70	130.43	1.011	0.99698
3592	3	2.63	101	6,660	1,711	0.059	65.94	3.89	1.110	0.99991
3593	3	3.38	44	2,990	933	0.047	67.95	3.20	1.023	0.99993
3621	3	3.65	35	2,631	1,539	0.023	75.17	1.71	1.029	0.99996
3661	1	3.90	1,010	236,727	1,010	1.000	234.38	234.38	1.000	0.99457
3662	21	55.43	202	38,432	757	0.267	190.26	50.77	1.000	0.99882
3663	11	46.59	290	92,011	774	0.375	317.28	118.88	1.018	0.99725
3664	9	26.44	246	24,034	501	0.491	97.70	47.97	1.029	0.99889
3671	1	0.70	7	295	884	0.008	42.14	0.33	1.000	0.99999
3694	2	4.70	8	678	1,246	0.006	84.75	0.54	1.000	0.99999
3701	1	0.63	1	38	477	0.002	38.00	0.08	1.000	0.99999
3751	3	2.77	65	3,380	868	0.075	52.00	3.89	1.016	0.99991
3872	1	0.75	41	1,846	1,066	0.038	45.02	1.73	1.000	0.99996
3878	1	3.52	5	1,058	776	0.006	211.60	1.36	1.000	0.99997
3891	3	8.90	3	534	433	0.007	178.00	1.23	1.000	0.99997
3893	6	7.42	66	7,525	1,091	0.060	114.02	6.90	1.000	0.99984
3901	8	10.78	93	7,849	870	0.107	84.40	9.02	1.000	0.99979
3913	1	0.95	75	4,307	949	0.079	57.43	4.54	1.000	0.99989
3914	2	1.70	59	2,859	661	0.089	48.46	4.33	1.017	0.99990
3951	6	6.08	143	11,481	904	0.158	80.29	12.70	1.036	0.99971

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3952	4	8.42	24	1,689	1,236	0.019	70.38	1.37	1.043	0.99997
3971	1	1.82	1	109	654	0.002	109.00	0.17	1.000	0.99999
3981	1	1.45	1	87	1,491	0.001	87.00	0.06	1.000	0.99999
3982	1	0.78	49	2,319	1,753	0.028	47.33	1.32	1.000	0.99997
3991	3	5.23	21	1,629	718	0.029	77.57	2.27	1.000	0.99995
4031	2	3.12	18	976	689	0.026	54.22	1.42	1.059	0.99997
4091	2	2.54	80	3,783	1,140	0.070	47.29	3.32	1.013	0.99992
4092	2	1.22	2	73	421	0.005	36.50	0.17	1.000	0.99999
4101	2	2.02	54	3,373	578	0.093	62.46	5.84	1.000	0.99986
4133	1	1.02	29	1,783	630	0.046	61.48	2.83	1.000	0.99993
4137	1	0.35	20	437	789	0.025	21.85	0.55	1.000	0.99999
4138	1	1.32	6	476	746	0.008	79.33	0.64	1.000	0.99999
4142	1	2.22	1	133	588	0.002	133.00	0.23	1.000	0.99999
4151	3	6.27	245	53,114	1,235	0.198	216.79	43.01	1.433	0.99900
4152	3	1.48	9	193	788	0.011	21.44	0.24	1.000	0.99999
4155	1	0.83	24	1,215	2,061	0.012	50.63	0.59	1.000	0.99999
4171	2	5.18	668	183,366	675	0.990	274.50	271.65	1.001	0.99371
4172	15	19.68	2,320	531,676	1,680	1.381	229.17	316.47	1.382	0.99267
4173	1	4.43	618	164,727	618	1.000	266.55	266.55	1.000	0.99383
4182	1	2.08	1	125	1,004	0.001	125.00	0.12	1.000	0.99999
4211	1	0.50	1	30	673	0.001	30.00	0.04	1.000	0.99999
4212	2	4.40	19	1,170	802	0.024	61.58	1.46	1.056	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4222	4	92.77	4	5,566	998	0.004	1391.50	5.58	1.000	0.99987
4224	2	1.23	46	1,950	755	0.061	42.39	2.58	1.000	0.99994
4302	2	2.62	2	157	645	0.003	78.50	0.24	1.000	0.99999
4312	2	1.56	36	2,316	832	0.043	64.33	2.78	1.000	0.99994
4324	2	2.20	2	132	1,200	0.002	66.00	0.11	1.000	0.99999
4342	6	6.88	198	13,241	1,725	0.115	66.87	7.68	1.015	0.99982
4343	2	1.49	60	2,091	1,018	0.059	34.85	2.05	1.000	0.99995
4362	1	0.48	39	1,118	818	0.048	28.67	1.37	1.000	0.99997
4363	6	6.48	160	7,353	1,585	0.101	45.96	4.64	1.032	0.99989
4371	3	4.28	75	10,318	1,527	0.049	137.57	6.76	1.027	0.99984
4373	1	2.00	9	1,082	748	0.012	120.22	1.45	1.000	0.99997
4431	4	5.35	47	3,800	1,353	0.035	80.85	2.81	1.044	0.99993
4432	2	5.08	2	305	450	0.004	152.50	0.68	1.000	0.99998
5601	6	4.17	248	11,481	1,152	0.215	46.29	9.97	1.000	0.99977
5602	3	2.95	21	957	675	0.031	45.57	1.42	1.050	0.99997
5603	6	3.46	6	208	1,257	0.005	34.67	0.17	1.000	0.99999
5902	3	4.25	5	553	1,002	0.005	110.60	0.55	1.667	0.99999
5904	4	4.23	158	10,100	1,109	0.142	63.92	9.11	1.000	0.99979
5905	2	1.35	2	81	1,833	0.001	40.50	0.04	1.000	0.99999
6021	1	0.88	19	1,014	486	0.039	53.37	2.09	1.000	0.99995
6022	1	1.28	16	1,241	374	0.043	77.56	3.32	1.000	0.99992
6023	1	1.15	1	69	463	0.002	69.00	0.15	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6144	1	1.08	1	65	315	0.003	65.00	0.21	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	301	551.55	14,021	2,171,531	160,552	0.087	154.88	13.53	1.082	0.99969

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2013 to 12/31/2013
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	6	62.50	243	25,117	1,493	0.163	103.36	16.82	1.047	0.99962
1051	5	35.08	269	28,551	1,065	0.253	106.14	26.81	1.011	0.99940
1052	1	1.27	289	22,036	289	1.000	76.25	76.25	1.000	0.99829
1081	1	1.38	1	83	18	0.056	83.00	4.61	1.000	0.99990
1082	11	107.60	137	77,849	1,298	0.106	568.24	59.98	1.030	0.99866
1091	16	159.72	1,030	182,321	706	1.459	177.01	258.25	1.459	0.99421
1092	12	244.81	227	40,476	937	0.242	178.31	43.20	1.076	0.99903
1093	2	0.85	103	2,464	229	0.450	23.92	10.76	1.000	0.99976
1094	1	0.33	1	20	1,219	0.001	20.00	0.02	1.000	0.99999
1102	1	2.08	11	1,383	457	0.024	125.73	3.03	1.000	0.99993
1141	1	1.32	1	79	900	0.001	79.00	0.09	1.000	0.99999
1211	1	1.17	1	70	1,473	0.001	70.00	0.05	1.000	0.99999
1212	5	6.98	32	2,815	323	0.099	87.97	8.72	1.143	0.99980
1213	3	4.66	120	8,208	541	0.222	68.40	15.17	1.043	0.99966
1230	3	21.77	64	5,301	1,181	0.054	82.83	4.49	1.000	0.99990
1232	2	11.33	298	70,536	1,175	0.254	236.70	60.03	1.003	0.99866
1233	4	27.09	8	2,275	638	0.013	284.38	3.57	1.000	0.99992

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1241	1	1.32	7	556	836	0.008	79.43	0.67	1.000	0.99999
1243	3	4.39	3	263	1,191	0.003	87.67	0.22	1.000	0.99999
1263	6	39.97	350	41,688	1,115	0.314	119.11	37.39	1.014	0.99916
1265	5	39.18	61	5,551	1,275	0.048	91.00	4.35	1.052	0.99990
1271	2	5.98	9	2,584	936	0.010	287.11	2.76	1.125	0.99994
1273	1	0.82	1	49	863	0.001	49.00	0.06	1.000	0.99999
1282	5	28.26	290	28,177	923	0.314	97.16	30.53	1.010	0.99932
1284	7	43.66	67	11,983	857	0.078	178.85	13.98	1.914	0.99969
1285	1	3.65	244	53,671	1,081	0.226	219.96	49.65	1.000	0.99889
1311	1	1.83	6	661	267	0.022	110.17	2.48	1.000	0.99994
1312	5	10.24	11	1,723	916	0.012	156.64	1.88	1.100	0.99996
1451	5	15.65	577	79,445	511	1.129	137.69	155.47	1.161	0.99652
1452	8	10.26	11	913	451	0.024	83.00	2.02	1.000	0.99995
1453	10	124.93	24	9,896	1,788	0.013	412.33	5.53	1.043	0.99988
1454	1	1.78	1	107	924	0.001	107.00	0.12	1.000	0.99999
1455	8	4.93	63	2,628	363	0.174	41.71	7.24	1.050	0.99984
1521	8	3.81	104	1,370	354	0.294	13.17	3.87	1.000	0.99991
1522	1	3.10	26	4,797	100	0.260	184.50	47.97	1.000	0.99893
1523	7	9.84	7	591	710	0.010	84.43	0.83	1.000	0.99998
1841	15	27.73	237	21,249	628	0.377	89.66	33.84	1.097	0.99924
1842	1	3.97	1	238	276	0.004	238.00	0.86	1.000	0.99998
1843	5	10.86	15	1,193	1,078	0.014	79.53	1.11	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2052	1	2.12	1	127	84	0.012	127.00	1.51	1.000	0.99997
2091	1	0.50	1	30	872	0.001	30.00	0.03	1.000	0.99999
2172	2	4.74	2	284	218	0.009	142.00	1.30	1.000	0.99997
2211	2	6.25	2	375	720	0.003	187.50	0.52	1.000	0.99999
2212	1	1.88	1	113	1,268	0.001	113.00	0.09	1.000	0.99999
2511	2	6.09	614	54,221	613	1.002	88.31	88.45	1.002	0.99802
2621	1	2.30	3	414	1,144	0.003	138.00	0.36	1.000	0.99999
2622	1	1.48	1	89	113	0.009	89.00	0.79	1.000	0.99998
2921	5	30.33	12	4,136	408	0.029	344.67	10.14	1.000	0.99977
2951	1	1.95	1	117	1,373	0.001	117.00	0.09	1.000	0.99999
2961	1	4.15	25	6,237	645	0.039	249.48	9.67	1.000	0.99978
3041	1	2.18	80	10,480	80	1.000	131.00	131.00	1.000	0.99707
3081	1	2.67	1	160	566	0.002	160.00	0.28	1.000	0.99999
3082	2	2.55	2	153	321	0.006	76.50	0.48	1.000	0.99999
3121	2	3.77	149	13,547	1,119	0.133	90.92	12.11	1.007	0.99973
3123	1	0.43	1	26	1,029	0.001	26.00	0.03	1.000	0.99999
3181	1	2.87	1	172	716	0.001	172.00	0.24	1.000	0.99999
3221	2	4.75	109	23,960	1,228	0.089	219.82	19.51	1.000	0.99956
3222	3	3.19	642	46,838	760	0.845	72.96	61.63	1.003	0.99862
3231	1	1.35	411	33,434	411	1.000	81.35	81.35	1.000	0.99818
3232	2	2.53	423	23,812	422	1.002	56.29	56.43	1.002	0.99874
3422	1	2.60	1	156	965	0.001	156.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3423	1	0.85	24	1,230	384	0.063	51.25	3.20	1.000	0.99993
3472	10	6.06	239	12,953	1,560	0.153	54.20	8.30	1.048	0.99981
3551	2	3.16	2	190	1,013	0.002	95.00	0.19	1.000	0.99999
3552	11	2.10	147	1,948	570	0.258	13.25	3.42	1.043	0.99992
3553	3	6.62	19	3,594	1,024	0.019	189.16	3.51	1.056	0.99992
3591	1	2.67	6	964	1,131	0.005	160.67	0.85	1.000	0.99998
3592	1	0.07	65	300	1,711	0.038	4.62	0.18	1.000	0.99999
3621	12	26.58	1,647	118,765	1,539	1.070	72.11	77.17	1.115	0.99827
3661	2	6.42	92	24,768	1,010	0.091	269.22	24.52	1.011	0.99945
3663	2	5.45	68	18,893	774	0.088	277.84	24.41	1.046	0.99945
3664	1	0.80	15	727	501	0.030	48.47	1.45	1.000	0.99997
3675	1	0.93	6	341	412	0.015	56.83	0.83	1.000	0.99998
3691	3	5.94	1,236	311,902	1,145	1.079	252.35	272.40	1.079	0.99390
3694	2	2.95	50	3,318	1,246	0.040	66.36	2.66	1.000	0.99994
3701	1	2.08	1	125	477	0.002	125.00	0.26	1.000	0.99999
3702	1	0.95	19	1,084	600	0.032	57.05	1.81	1.000	0.99996
3751	3	5.53	10	591	868	0.012	59.10	0.68	1.000	0.99998
3871	1	0.63	1	38	1,380	0.001	38.00	0.03	1.000	0.99999
3878	2	2.99	10	984	776	0.013	98.40	1.27	1.000	0.99997
3891	6	65.86	123	96,153	433	0.284	781.73	222.06	1.118	0.99503
3893	3	8.47	3	508	1,091	0.003	169.33	0.47	1.500	0.99999
3894	1	0.40	3	74	115	0.026	24.67	0.64	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3901	1	3.22	1	193	870	0.001	193.00	0.22	1.000	0.99999
3912	1	0.50	910	27,800	919	0.990	30.55	30.25	1.000	0.99932
3913	10	22.03	1,251	67,398	949	1.318	53.88	71.02	1.332	0.99841
3914	5	6.40	1,305	48,214	661	1.974	36.95	72.94	2.005	0.99837
3951	8	78.85	372	46,719	904	0.412	125.59	51.68	1.039	0.99884
3952	12	77.91	2,522	755,679	1,236	2.040	299.63	611.39	2.039	0.98630
3953	8	76.82	629	131,146	512	1.229	208.50	256.14	1.233	0.99426
3981	3	10.90	3	654	1,491	0.002	218.00	0.44	1.000	0.99999
3982	7	9.48	45	1,666	1,753	0.026	37.02	0.95	1.047	0.99998
403	5	55.95	5	3,357	263	0.019	671.40	12.76	1.250	0.99971
405	1	0.53	150	4,802	43	3.488	32.01	111.67	1.000	0.99750
407	2	14.37	2	862	102	0.020	431.00	8.45	1.000	0.99981
4138	3	3.93	84	6,570	746	0.113	78.21	8.81	1.000	0.99980
4141	1	2.03	1	122	82	0.012	122.00	1.49	1.000	0.99997
4142	2	3.43	59	6,123	588	0.100	103.78	10.41	1.000	0.99977
4151	1	0.95	1	57	1,235	0.001	57.00	0.05	1.000	0.99999
4171	11	72.85	772	141,950	675	1.144	183.87	210.30	1.369	0.99529
4172	8	24.16	3,498	863,734	1,680	2.082	246.92	514.13	2.075	0.98848
4173	2	2.60	687	47,816	618	1.112	69.60	77.37	1.112	0.99827
4211	2	2.97	12	938	673	0.018	78.17	1.39	1.000	0.99997
4212	9	38.37	99	24,368	802	0.123	246.14	30.38	1.125	0.99932
4221	5	9.73	507	23,715	479	1.058	46.78	49.51	1.065	0.99889

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4222	4	10.92	2,995	377,055	998	3.001	125.89	377.81	3.001	0.99154
4223	2	12.84	559	18,492	558	1.002	33.08	33.14	1.002	0.99926
4224	3	6.72	804	31,752	755	1.065	39.49	42.06	1.061	0.99906
4302	8	43.15	794	76,490	645	1.231	96.34	118.59	1.990	0.99734
4324	6	86.15	6	5,169	1,200	0.005	861.50	4.31	1.200	0.99990
4341	2	1.85	42	2,154	1,745	0.024	51.29	1.23	1.000	0.99997
4342	1	0.92	33	1,841	1,725	0.019	55.79	1.07	1.000	0.99998
4361	1	9.05	1	543	1,635	0.001	543.00	0.33	1.000	0.99999
4362	5	68.27	11	4,954	818	0.013	450.36	6.06	1.000	0.99986
4363	6	97.56	221	52,288	1,585	0.139	236.60	32.99	1.028	0.99926
4371	4	3.18	84	3,724	1,527	0.055	44.33	2.44	1.037	0.99995
4372	1	2.62	1	157	427	0.002	157.00	0.37	1.000	0.99999
4373	1	1.42	1	85	748	0.001	85.00	0.11	1.000	0.99999
4431	4	10.67	30	2,801	1,353	0.022	93.37	2.07	1.000	0.99995
4511	1	0.73	80	3,541	1,120	0.071	44.26	3.16	1.000	0.99993
4513	1	0.87	1	52	623	0.002	52.00	0.08	1.000	0.99999
455	1	0.45	113	3,135	113	1.000	27.74	27.74	1.000	0.99938
4601	6	2.23	33	316	409	0.081	9.58	0.77	1.000	0.99998
4602	12	9.36	400	3,153	938	0.426	7.88	3.36	1.042	0.99992
5601	4	13.32	208	62,795	1,152	0.181	301.90	54.51	1.005	0.99878
5602	2	2.62	675	87,703	675	1.000	129.93	129.93	1.001	0.99709
5603	9	25.58	100	17,945	1,257	0.080	179.45	14.28	1.408	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5901	1	1.13	87	5,923	580	0.150	68.08	10.21	1.000	0.99977
5902	3	4.00	3	240	1,002	0.003	80.00	0.24	1.000	0.99999
5905	12	93.93	25	8,199	1,833	0.014	327.96	4.47	1.000	0.99990
6021	1	0.42	1	25	486	0.002	25.00	0.05	1.000	0.99999
6022	1	1.65	1	99	374	0.003	99.00	0.26	1.000	0.99999
6024	1	0.35	34	717	388	0.088	21.09	1.85	1.000	0.99996
6141	2	2.42	21	1,253	624	0.034	59.67	2.01	1.000	0.99996
6142	1	3.58	13	2,795	301	0.043	215.00	9.29	1.000	0.99979
6143	1	0.62	1	37	369	0.003	37.00	0.10	1.000	0.99999
6144	2	3.13	2	188	315	0.006	94.00	0.60	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	502	2,373.98	31,514	4,536,752	160,552	0.196	143.96	28.26	1.330	0.99937

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2013 to 1/31/2013
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
1082	1	1.25	8	604	1,292	0.006	75.50	0.47	1.000	0.99999
1091	1	1.53	1	92	1,645	0.001	92.00	0.06	1.000	0.99999
1092	1	0.97	1	58	1,175	0.001	58.00	0.05	1.000	0.99999
1093	1	1.02	1	61	228	0.004	61.00	0.27	1.000	0.99999
1094	1	0.23	12	163	1,108	0.011	13.58	0.15	1.000	0.99999
1141	1	1.33	28	2,257	899	0.031	80.61	2.51	1.000	0.99994
1211	1	0.83	62	3,112	1,466	0.042	50.19	2.12	1.000	0.99995
1212	3	3.95	4	359	324	0.012	89.75	1.11	1.000	0.99998
1213	1	0.62	26	971	541	0.048	37.35	1.79	1.000	0.99996
1232	1	1.93	307	35,693	1,176	0.261	116.26	30.35	1.000	0.99932
1241	1	0.98	10	592	835	0.012	59.20	0.71	1.000	0.99998
1262	5	0.82	74	897	223	0.332	12.12	4.02	1.000	0.99991
1265	1	0.52	1,267	40,185	1,267	1.000	31.72	31.72	1.000	0.99929
1271	1	1.25	14	1,058	927	0.015	75.57	1.14	1.000	0.99997
1273	2	2.23	2	134	864	0.002	67.00	0.16	1.000	0.99999
1282	1	0.60	33	1,184	911	0.036	35.88	1.30	1.000	0.99997
1311	1	2.22	75	9,993	267	0.281	133.24	37.43	1.000	0.99916

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1451	1	1.45	1	87	507	0.002	87.00	0.17	1.000	0.99999
1523	2	2.33	2	140	705	0.003	70.00	0.20	1.000	0.99999
1843	2	2.15	11	604	1,073	0.010	54.91	0.56	1.000	0.99999
2091	1	1.15	24	1,674	870	0.028	69.75	1.92	1.000	0.99996
2172	1	0.38	1	23	218	0.005	23.00	0.11	1.000	0.99999
2212	3	3.58	3	215	1,259	0.002	71.67	0.17	1.000	0.99999
2511	14	8.60	46	1,992	609	0.076	43.30	3.27	1.000	0.99993
2951	1	0.67	1	40	1,365	0.001	40.00	0.03	1.000	0.99999
2961	1	1.30	18	1,404	649	0.028	78.00	2.16	1.000	0.99995
2962	1	1.13	1	68	252	0.004	68.00	0.27	1.000	0.99999
3121	1	0.57	1	34	1,107	0.001	34.00	0.03	1.000	0.99999
3122	1	2.53	6	913	838	0.007	152.17	1.09	1.000	0.99998
3123	1	1.53	1	92	1,025	0.001	92.00	0.09	1.000	0.99999
3221	3	6.82	101	11,991	1,226	0.082	118.72	9.78	2.020	0.99978
3222	1	0.92	6	305	762	0.008	50.83	0.40	1.000	0.99999
3231	1	1.43	1	86	410	0.002	86.00	0.21	1.000	0.99999
3232	4	2.77	16	707	421	0.038	44.19	1.68	1.143	0.99996
3315	1	1.82	2	218	1,566	0.001	109.00	0.14	1.000	0.99999
3472	2	1.13	1,628	64,101	1,553	1.048	39.37	41.28	1.046	0.99908
3551	3	3.33	33	1,350	1,011	0.033	40.91	1.34	1.000	0.99997
3552	1	0.92	1	55	571	0.002	55.00	0.10	1.000	0.99999
3593	1	0.53	1	32	932	0.001	32.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3621	1	0.97	1	58	1,538	0.001	58.00	0.04	1.000	0.99999
3661	3	3.62	1,179	176,939	1,109	1.063	150.08	159.55	1.063	0.99643
3662	3	10.14	2,265	641,129	1,132	2.001	283.06	566.37	1.547	0.98731
3663	3	1.75	63	2,510	783	0.080	39.84	3.21	1.000	0.99993
3691	1	2.73	4	656	1,142	0.004	164.00	0.57	1.000	0.99999
3701	1	0.72	1	43	477	0.002	43.00	0.09	1.000	0.99999
3702	3	7.97	13	2,451	594	0.022	188.54	4.13	1.083	0.99991
3751	1	1.62	1	97	862	0.001	97.00	0.11	1.000	0.99999
3873	1	1.50	1	90	788	0.001	90.00	0.11	1.000	0.99999
3878	1	1.47	1	88	775	0.001	88.00	0.11	1.000	0.99999
3893	5	8.64	19	1,886	1,089	0.017	99.26	1.73	1.727	0.99996
3914	2	1.77	2	106	645	0.003	53.00	0.16	1.000	0.99999
3951	3	1.83	132	5,449	1,073	0.123	41.28	5.08	1.031	0.99989
3971	2	3.37	18	2,187	651	0.028	121.50	3.36	1.059	0.99992
3981	1	0.62	1	37	1,480	0.001	37.00	0.03	1.000	0.99999
3982	2	4.16	23	2,151	1,748	0.013	93.52	1.23	1.000	0.99997
3992	2	3.15	2	189	162	0.012	94.50	1.17	1.000	0.99997
403	1	1.73	1	104	261	0.004	104.00	0.40	1.000	0.99999
4091	1	0.48	1	29	1,138	0.001	29.00	0.03	1.000	0.99999
4101	1	0.77	14	646	578	0.024	46.14	1.12	1.000	0.99997
4102	1	1.10	1	66	894	0.001	66.00	0.07	1.000	0.99999
4137	1	0.32	55	1,076	784	0.070	19.56	1.37	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4141	5	8.40	5	504	81	0.062	100.80	6.22	1.000	0.99986
4142	3	11.74	587	70,832	585	1.003	120.67	121.08	1.003	0.99729
4153	1	0.55	13	435	1,285	0.010	33.46	0.34	1.000	0.99999
4172	2	2.43	36	2,061	1,660	0.022	57.25	1.24	1.029	0.99997
4173	1	1.63	1	98	614	0.002	98.00	0.16	1.000	0.99999
4182	1	0.48	44	1,307	1,004	0.044	29.70	1.30	1.000	0.99997
4212	1	0.93	36	2,033	801	0.045	56.47	2.54	1.000	0.99994
4221	1	0.63	1	38	484	0.002	38.00	0.08	1.000	0.99999
4222	8	7.41	2,789	48,070	1,370	2.036	17.24	35.09	2.036	0.99921
4223	4	3.06	40	1,034	1,631	0.025	25.85	0.63	1.026	0.99999
4224	1	0.52	750	23,612	750	1.000	31.48	31.48	1.000	0.99929
4311	2	3.22	7	693	1,253	0.006	99.00	0.55	1.000	0.99999
4313	1	2.08	1	125	550	0.002	125.00	0.23	1.000	0.99999
4324	6	4.25	21	1,484	1,141	0.018	70.67	1.30	1.000	0.99997
4331	1	0.33	1	20	297	0.003	20.00	0.07	1.000	0.99999
4341	2	2.70	13	804	1,729	0.008	61.85	0.47	1.083	0.99999
4342	2	1.72	1,708	32,773	1,707	1.001	19.19	19.20	1.001	0.99957
4343	2	2.20	991	61,010	1,015	0.976	61.56	60.11	1.018	0.99865
4361	2	3.81	2	229	1,631	0.001	114.50	0.14	1.000	0.99999
4363	2	2.61	19	1,216	1,567	0.012	64.00	0.78	1.056	0.99998
4371	1	1.48	3	268	1,523	0.002	89.33	0.18	1.000	0.99999
4373	3	6.10	15	2,415	749	0.020	161.00	3.22	1.000	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4431	3	7.52	197	22,122	1,346	0.146	112.29	16.44	1.000	0.99963
4513	1	2.27	1	136	614	0.002	136.00	0.22	1.000	0.99999
4601	1	2.77	1	166	406	0.002	166.00	0.41	1.000	0.99999
5905	1	0.52	11	351	1,768	0.006	31.91	0.20	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	169	211.11	14,921	1,295,367	159,454	0.094	86.82	8.12	1.197	0.99982

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2013 to 2/28/2013
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
1082	1	0.97	1	58	1,292	0.001	58.00	0.04	1.000	0.99999
1091	3	6.31	89	16,578	1,176	0.076	186.27	14.10	1.060	0.99965
1092	3	2.68	3	161	1,056	0.003	53.67	0.15	1.000	0.99999
1094	1	3.28	1	197	1,108	0.001	197.00	0.18	1.000	0.99999
1211	1	0.75	1	45	1,466	0.001	45.00	0.03	1.000	0.99999
1232	1	4.52	1	271	1,176	0.001	271.00	0.23	1.000	0.99999
1233	1	0.70	1	42	638	0.002	42.00	0.07	1.000	0.99999
1243	1	1.28	1	77	1,190	0.001	77.00	0.06	1.000	0.99999
1261	1	4.13	385	95,512	385	1.000	248.08	248.08	1.000	0.99385
1262	4	4.67	36	1,856	177	0.203	51.56	10.49	1.000	0.99974
1263	1	1.15	9	628	1,053	0.009	69.78	0.60	1.000	0.99999
1265	3	3.36	1,269	153,198	1,267	1.002	120.72	120.91	1.002	0.99700
1267	2	2.78	78	9,503	77	1.013	121.83	123.42	1.013	0.99694
1271	4	6.38	10	584	927	0.011	58.40	0.63	1.111	0.99998
1284	1	2.18	254	33,498	853	0.298	131.88	39.27	1.000	0.99903
1312	4	3.65	44	2,046	913	0.048	46.50	2.24	1.222	0.99994
1452	2	4.74	21	3,224	450	0.047	153.52	7.16	1.000	0.99982

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1454	1	2.80	1	168	907	0.001	168.00	0.19	1.000	0.99999
1455	1	1.12	1	67	352	0.003	67.00	0.19	1.000	0.99999
1521	1	2.70	1	162	353	0.003	162.00	0.46	1.000	0.99999
1522	1	1.63	1	98	100	0.010	98.00	0.98	1.000	0.99998
1523	1	1.07	1	64	705	0.001	64.00	0.09	1.000	0.99999
1842	1	2.17	16	2,082	275	0.058	130.13	7.57	1.000	0.99981
1843	10	6.24	248	27,594	1,073	0.231	111.27	25.72	1.033	0.99936
2091	1	1.55	7	653	870	0.008	93.29	0.75	1.000	0.99998
2092	2	3.55	11	1,162	901	0.012	105.64	1.29	1.100	0.99997
2171	1	0.75	1	45	552	0.002	45.00	0.08	1.000	0.99999
2491	1	3.42	16	3,284	62	0.258	205.25	52.97	1.000	0.99869
2501	1	2.42	78	11,385	78	1.000	145.96	145.96	1.000	0.99638
2621	1	3.58	1	215	1,137	0.001	215.00	0.19	1.000	0.99999
2921	6	10.90	6	654	404	0.015	109.00	1.62	1.000	0.99996
2951	3	4.88	10	1,030	1,364	0.007	103.00	0.76	1.111	0.99998
2961	1	0.90	18	983	649	0.028	54.61	1.51	1.000	0.99996
3181	2	3.04	160	15,960	711	0.225	99.75	22.45	1.000	0.99944
3221	1	0.65	57	2,253	1,226	0.046	39.53	1.84	1.000	0.99995
3231	1	1.35	40	3,274	410	0.098	81.85	7.99	1.000	0.99980
3232	1	1.00	12	727	421	0.029	60.58	1.73	1.000	0.99996
3303	1	4.62	1	277	976	0.001	277.00	0.28	1.000	0.99999
3421	1	0.73	1	44	279	0.004	44.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3422	1	2.97	1	178	964	0.001	178.00	0.18	1.000	0.99999
3423	1	3.35	3	603	380	0.008	201.00	1.59	1.000	0.99996
3471	1	1.42	1	85	163	0.006	85.00	0.52	1.000	0.99999
3472	1	0.80	1	48	1,553	0.001	48.00	0.03	1.000	0.99999
3553	2	2.15	18	1,828	1,024	0.018	101.56	1.79	1.059	0.99996
3592	3	3.10	3	186	1,704	0.002	62.00	0.11	1.000	0.99999
3594	2	3.05	12	1,075	631	0.019	89.58	1.70	1.000	0.99996
3621	1	0.58	6	211	1,538	0.004	35.17	0.14	1.000	0.99999
3661	1	1.65	21	2,089	1,109	0.019	99.48	1.88	1.000	0.99995
3662	5	2.80	29	983	1,132	0.026	33.90	0.87	1.115	0.99998
3663	2	6.31	4	1,044	783	0.005	261.00	1.33	1.000	0.99997
3691	1	0.87	18	949	1,142	0.016	52.72	0.83	1.000	0.99998
3873	3	2.99	803	63,422	788	1.019	78.98	80.48	1.019	0.99800
3891	1	0.55	4	135	421	0.010	33.75	0.32	1.000	0.99999
3892	1	1.93	1	116	464	0.002	116.00	0.25	1.000	0.99999
3893	3	5.15	77	13,924	1,088	0.071	180.83	12.80	1.055	0.99968
3894	1	1.50	22	1,985	116	0.190	90.23	17.11	1.000	0.99958
3903	1	1.70	75	7,711	286	0.262	102.81	26.96	1.000	0.99933
3913	2	3.24	18	839	946	0.019	46.61	0.89	1.000	0.99998
3914	4	9.42	64	6,348	644	0.099	99.19	9.86	1.032	0.99976
3951	3	7.32	87	9,094	984	0.088	104.53	9.24	1.012	0.99977
3981	5	5.35	37	2,441	1,480	0.025	65.97	1.65	1.028	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3982	3	2.65	208	7,362	1,748	0.119	35.39	4.21	1.000	0.99990
3991	4	6.98	32	2,882	719	0.045	90.06	4.01	1.032	0.99990
4101	1	1.80	1	108	578	0.002	108.00	0.19	1.000	0.99999
4151	1	0.75	10	455	1,231	0.008	45.50	0.37	1.000	0.99999
4152	1	0.60	3	108	782	0.004	36.00	0.14	1.000	0.99999
4171	1	1.00	1	60	849	0.001	60.00	0.07	1.000	0.99999
4172	2	10.15	6	2,681	1,660	0.004	446.83	1.62	1.000	0.99996
4212	1	1.55	1	93	801	0.001	93.00	0.12	1.000	0.99999
4221	2	11.37	413	94,887	484	0.853	229.75	196.05	1.040	0.99514
4222	2	1.93	81	3,923	1,179	0.069	48.43	3.33	1.000	0.99992
4224	1	4.10	8	1,971	750	0.011	246.38	2.63	1.000	0.99993
4311	1	1.35	1	81	1,202	0.001	81.00	0.07	1.000	0.99999
4341	1	0.67	12	489	1,729	0.007	40.75	0.28	1.000	0.99999
4342	3	3.35	44	2,716	1,707	0.026	61.73	1.59	1.048	0.99996
4361	1	0.33	1	20	1,631	0.001	20.00	0.01	1.000	0.99999
4371	1	1.15	77	5,283	1,523	0.051	68.61	3.47	1.000	0.99991
4373	2	2.58	9	892	749	0.012	99.11	1.19	1.125	0.99997
4431	6	5.29	18	936	1,346	0.013	52.00	0.70	1.000	0.99998
4513	1	0.48	1	29	614	0.002	29.00	0.05	1.000	0.99999
4601	1	1.70	253	26,029	406	0.623	102.88	64.11	1.000	0.99841
5602	1	0.57	1	34	672	0.001	34.00	0.05	1.000	0.99999
5603	5	7.80	85	7,781	1,245	0.068	91.54	6.25	1.545	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6142	1	2.13	1	128	299	0.003	128.00	0.43	1.000	0.99999
6144	1	0.43	1	26	313	0.003	26.00	0.08	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	163	253.51	5,465	663,927	158,754	0.034	121.49	4.18	1.019	0.99990

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2013 to 3/31/2013
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	6.70	273	50,803	1,416	0.193	186.09	35.88	1.007	0.99920
1051	1	0.77	1	46	1,062	0.001	46.00	0.04	1.000	0.99999
1082	1	0.97	14	820	1,291	0.011	58.57	0.64	1.000	0.99999
1092	6	4.09	70	4,071	936	0.075	58.16	4.35	1.029	0.99990
1094	1	1.43	1	86	1,108	0.001	86.00	0.08	1.000	0.99999
1101	1	2.57	1	154	964	0.001	154.00	0.16	1.000	0.99999
1141	1	1.47	1	88	899	0.001	88.00	0.10	1.000	0.99999
1211	4	96.33	75	28,044	1,466	0.051	373.92	19.13	1.027	0.99957
1212	1	1.18	1	71	324	0.003	71.00	0.22	1.000	0.99999
1213	4	3.97	8	521	541	0.015	65.13	0.96	1.000	0.99998
1263	1	1.08	15	945	1,052	0.014	63.00	0.90	1.000	0.99998
1265	1	1.07	9	584	1,267	0.007	64.89	0.46	1.000	0.99999
1271	3	17.18	11	1,716	927	0.012	156.00	1.85	1.100	0.99996
1273	1	1.90	1	114	864	0.001	114.00	0.13	1.000	0.99999
1285	1	1.32	1	79	1,079	0.001	79.00	0.07	1.000	0.99999
1312	1	2.33	252	35,447	913	0.276	140.66	38.82	1.000	0.99913
1451	1	3.40	29	5,940	506	0.057	204.83	11.74	1.000	0.99974

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1452	1	1.63	70	6,862	450	0.156	98.03	15.25	1.000	0.99966
1453	1	1.30	1	78	1,790	0.001	78.00	0.04	1.000	0.99999
1523	1	1.48	6	535	705	0.009	89.17	0.76	1.000	0.99998
1841	1	0.50	1	30	611	0.002	30.00	0.05	1.000	0.99999
1843	3	8.02	1,075	385,472	1,073	1.002	358.58	359.25	1.002	0.99195
2052	1	1.45	1	87	83	0.012	87.00	1.05	1.000	0.99998
2091	1	2.55	870	133,110	870	1.000	153.00	153.00	1.000	0.99657
2092	1	2.53	901	136,952	901	1.000	152.00	152.00	1.000	0.99659
2171	1	1.12	552	37,186	552	1.000	67.37	67.37	1.000	0.99849
2172	10	8.85	10	531	218	0.046	53.10	2.44	1.000	0.99995
2212	2	1.92	32	1,741	1,259	0.025	54.41	1.38	1.000	0.99997
2491	1	2.32	1	139	62	0.016	139.00	2.24	1.000	0.99995
2511	1	2.23	50	6,704	609	0.082	134.08	11.01	1.000	0.99975
2621	1	3.82	12	2,681	1,137	0.011	223.42	2.36	1.000	0.99995
2951	3	2.20	3	132	1,364	0.002	44.00	0.10	1.000	0.99999
2952	1	11.27	1	676	151	0.007	676.00	4.48	1.000	0.99990
2961	1	1.43	1	86	649	0.002	86.00	0.13	1.000	0.99999
3081	1	2.95	1	177	564	0.002	177.00	0.31	1.000	0.99999
3121	1	0.57	1	34	1,107	0.001	34.00	0.03	1.000	0.99999
3181	1	1.02	1	61	711	0.001	61.00	0.09	1.000	0.99999
3232	1	1.27	1	76	421	0.002	76.00	0.18	1.000	0.99999
3301	1	0.57	205	7,069	205	1.000	34.48	34.48	1.000	0.99923

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3303	3	4.91	26	1,590	976	0.027	61.15	1.63	1.000	0.99996
3311	2	7.18	2	431	527	0.004	215.50	0.82	1.000	0.99998
3423	3	6.02	239	25,060	380	0.629	104.85	65.95	1.000	0.99852
3551	1	0.38	40	931	1,011	0.040	23.28	0.92	1.000	0.99998
3552	1	0.57	1	34	571	0.002	34.00	0.06	1.000	0.99999
3621	1	1.05	1	63	1,538	0.001	63.00	0.04	1.000	0.99999
3661	3	17.94	71	11,355	1,109	0.064	159.93	10.24	1.029	0.99977
3663	5	3.95	53	3,032	783	0.068	57.21	3.87	1.039	0.99991
3671	3	3.30	51	3,160	881	0.058	61.96	3.59	1.000	0.99992
3675	1	0.82	64	3,150	406	0.158	49.22	7.76	1.000	0.99983
3691	2	6.36	66	11,121	1,142	0.058	168.50	9.74	1.015	0.99978
3701	3	4.83	3	290	477	0.006	96.67	0.61	1.000	0.99999
3751	3	5.58	6	509	862	0.007	84.83	0.59	1.000	0.99999
3891	2	7.35	61	11,685	421	0.145	191.56	27.76	1.017	0.99938
3892	1	4.72	1	283	464	0.002	283.00	0.61	1.000	0.99999
3893	1	0.68	1	41	1,087	0.001	41.00	0.04	1.000	0.99999
3894	1	1.58	22	2,092	116	0.190	95.09	18.03	1.000	0.99960
3903	2	5.42	45	3,863	286	0.157	85.84	13.51	1.000	0.99970
3913	1	0.58	95	3,389	945	0.101	35.67	3.59	1.000	0.99992
3951	3	3.08	942	80,144	896	1.051	85.08	89.45	1.048	0.99800
3952	1	0.83	1	50	1,210	0.001	50.00	0.04	1.000	0.99999
3953	4	6.24	39	4,895	517	0.075	125.51	9.47	1.026	0.99979

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3981	5	4.00	104	5,622	1,480	0.070	54.06	3.80	1.095	0.99991
3982	5	17.79	1,346	110,324	1,748	0.770	81.96	63.11	1.230	0.99859
3992	1	2.10	1	126	162	0.006	126.00	0.78	1.000	0.99998
4031	3	3.11	130	12,471	692	0.188	95.93	18.02	1.008	0.99960
4091	1	0.40	1,138	28,108	1,138	1.000	24.70	24.70	1.000	0.99945
4092	1	1.67	1	100	421	0.002	100.00	0.24	1.000	0.99999
4138	10	19.85	16	2,443	747	0.021	152.69	3.27	1.000	0.99993
4151	4	8.11	8	803	1,231	0.006	100.38	0.65	1.000	0.99999
4153	1	2.05	1	123	1,285	0.001	123.00	0.10	1.000	0.99999
4172	5	5.09	133	6,595	1,660	0.080	49.59	3.97	1.000	0.99991
4182	1	1.38	9	752	1,004	0.009	83.56	0.75	1.000	0.99998
4211	1	1.87	1	112	662	0.002	112.00	0.17	1.000	0.99999
4212	2	3.32	19	2,824	801	0.024	148.63	3.53	1.000	0.99992
4324	3	4.54	3	272	1,141	0.003	90.67	0.24	1.000	0.99999
4332	1	2.70	1	162	301	0.003	162.00	0.54	1.000	0.99999
4341	2	3.79	9	720	1,729	0.005	80.00	0.42	1.125	0.99999
4342	1	2.22	1	133	1,707	0.001	133.00	0.08	1.000	0.99999
4343	4	5.40	63	4,773	1,015	0.062	75.76	4.70	1.033	0.99989
4361	1	9.10	50	27,301	1,631	0.031	546.02	16.74	1.000	0.99963
4363	3	3.59	130	7,089	1,567	0.083	54.53	4.52	1.040	0.99990
4371	1	1.85	38	4,226	1,523	0.025	111.21	2.77	1.000	0.99994
4431	4	5.53	1,342	106,636	1,346	0.997	79.46	79.22	1.002	0.99823

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4601	1	1.57	1	94	406	0.002	94.00	0.23	1.000	0.99999
5601	1	0.65	40	1,593	1,146	0.035	39.83	1.39	1.000	0.99997
5603	20	18.35	157	13,499	1,245	0.126	85.98	10.84	1.013	0.99976
5902	1	1.33	11	883	1,006	0.011	80.27	0.88	1.000	0.99998
5905	1	1.23	30	2,198	1,739	0.017	73.27	1.26	1.000	0.99997
6021	1	0.25	485	7,388	485	1.000	15.23	15.23	1.000	0.99966
6022	1	0.23	374	5,522	374	1.000	14.76	14.76	1.000	0.99967
6023	1	0.25	457	7,007	460	0.993	15.33	15.23	1.000	0.99966
6024	1	0.25	387	5,805	384	1.008	15.00	15.12	1.000	0.99966
6142	2	2.78	2	167	299	0.007	83.50	0.56	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	205	438.48	12,877	1,382,987	159,416	0.081	107.40	8.68	1.027	0.99981

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI

4/1/2013 to 4/30/2013

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	1.70	67	6,798	1,453	0.046	101.46	4.68	1.000	0.99989
1051	1	1.28	1	77	1,064	0.001	77.00	0.07	1.000	0.99999
1081	1	0.67	19	772	19	1.000	40.63	40.63	1.000	0.99906
1082	19	52.43	461	82,029	1,292	0.357	177.94	63.49	1.153	0.99853
1091	2	1.35	53	2,623	706	0.075	49.49	3.72	1.000	0.99991
1092	3	49.96	3	2,998	935	0.003	999.33	3.21	1.000	0.99993
1093	1	2.12	38	4,801	228	0.167	126.34	21.06	1.000	0.99951
1102	1	0.42	1	25	627	0.002	25.00	0.04	1.000	0.99999
1141	1	1.83	28	3,104	900	0.031	110.86	3.45	1.000	0.99992
1211	1	4.30	1	258	1,470	0.001	258.00	0.18	1.000	0.99999
1213	1	1.33	541	43,280	541	1.000	80.00	80.00	1.000	0.99815
1232	2	1.49	91	3,924	1,174	0.078	43.12	3.34	1.011	0.99992
1241	3	2.51	58	1,710	835	0.069	29.48	2.05	1.018	0.99995
1261	1	3.48	1	209	386	0.003	209.00	0.54	1.000	0.99999
1262	1	1.90	1	114	134	0.007	114.00	0.85	1.000	0.99998
1265	1	0.40	42	1,046	1,270	0.033	24.90	0.82	1.000	0.99998
1271	26	52.93	416	78,436	930	0.447	188.55	84.34	1.032	0.99805

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1273	1	0.45	61	1,659	864	0.071	27.20	1.92	1.000	0.99996
1282	3	3.37	77	5,418	912	0.084	70.36	5.94	1.027	0.99986
1283	1	0.42	1	25	360	0.003	25.00	0.07	1.000	0.99999
1284	2	4.45	32	7,516	854	0.037	234.88	8.80	1.000	0.99980
1285	2	2.99	184	9,635	1,080	0.170	52.36	8.92	1.005	0.99979
1311	3	4.12	274	14,695	268	1.022	53.63	54.83	1.026	0.99873
1312	4	3.78	942	49,904	914	1.031	52.98	54.60	1.032	0.99874
1452	1	0.78	13	612	450	0.029	47.08	1.36	1.000	0.99997
1454	8	8.86	972	34,030	908	1.070	35.01	37.48	1.058	0.99913
1523	2	2.04	6	322	706	0.008	53.67	0.46	1.200	0.99999
1842	1	2.60	46	7,191	276	0.167	156.33	26.05	1.000	0.99940
1843	1	1.25	239	18,100	1,074	0.223	75.73	16.85	1.000	0.99961
2052	1	2.33	1	140	83	0.012	140.00	1.69	1.000	0.99996
2091	1	0.90	489	26,699	870	0.562	54.60	30.69	1.000	0.99929
2492	3	5.51	87	9,617	29	3.000	110.54	331.62	1.000	0.99232
2511	1	1.50	1	90	610	0.002	90.00	0.15	1.000	0.99999
2621	4	8.68	18	963	1,138	0.016	53.50	0.85	1.000	0.99998
2921	3	5.03	3	302	405	0.007	100.67	0.75	1.000	0.99998
3122	1	0.55	1	33	839	0.001	33.00	0.04	1.000	0.99999
3123	2	2.52	26	2,476	1,026	0.025	95.23	2.41	1.040	0.99994
3221	5	11.96	1,292	230,440	1,226	1.054	178.36	187.96	1.055	0.99565
3222	7	7.84	7	470	762	0.009	67.14	0.62	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3303	1	1.03	1	62	976	0.001	62.00	0.06	1.000	0.99999
3311	1	0.98	1	59	527	0.002	59.00	0.11	1.000	0.99999
3422	1	4.28	25	6,433	964	0.026	257.32	6.67	1.000	0.99985
3423	2	1.34	25	1,699	382	0.065	67.96	4.45	1.042	0.99990
3471	7	6.08	74	3,665	164	0.451	49.53	22.35	1.028	0.99948
3472	4	5.77	1,564	84,813	1,552	1.008	54.23	54.65	1.004	0.99874
3551	2	4.27	11	1,891	1,016	0.011	171.91	1.86	1.000	0.99996
3553	1	1.53	1	92	1,024	0.001	92.00	0.09	1.000	0.99999
3591	1	1.07	1	64	1,126	0.001	64.00	0.06	1.000	0.99999
3594	1	0.57	1	34	634	0.002	34.00	0.05	1.000	0.99999
3621	2	2.49	7	229	1,539	0.005	32.71	0.15	1.000	0.99999
3661	3	3.64	68	5,480	1,110	0.061	80.59	4.94	1.000	0.99989
3662	3	4.88	3	293	1,136	0.003	97.67	0.26	1.000	0.99999
3663	2	2.00	2	120	784	0.003	60.00	0.15	1.000	0.99999
3675	1	0.43	23	606	408	0.056	26.35	1.49	1.000	0.99997
3701	1	0.77	1	46	476	0.002	46.00	0.10	1.000	0.99999
3702	1	1.33	45	3,613	594	0.076	80.29	6.08	1.000	0.99986
3751	5	6.89	12	598	862	0.014	49.83	0.69	1.000	0.99998
3892	1	0.68	6	248	466	0.013	41.33	0.53	1.000	0.99999
3893	3	10.96	4	951	1,088	0.004	237.75	0.87	1.000	0.99998
3894	2	2.37	2	142	116	0.017	71.00	1.22	1.000	0.99997
3902	1	1.30	1	78	96	0.010	78.00	0.81	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3903	1	2.57	7	1,082	286	0.024	154.57	3.78	1.000	0.99991
3912	2	5.82	2	349	892	0.002	174.50	0.39	1.000	0.99999
3913	3	14.38	49	12,766	947	0.052	260.53	13.48	1.000	0.99969
3914	8	16.57	67	11,025	650	0.103	164.55	16.96	1.047	0.99961
3951	2	1.48	48	2,148	896	0.054	44.75	2.40	1.000	0.99994
3952	1	1.62	1	97	1,216	0.001	97.00	0.08	1.000	0.99999
3953	4	6.81	4	409	516	0.008	102.25	0.79	1.000	0.99998
3971	1	1.50	63	5,623	651	0.097	89.25	8.64	1.000	0.99980
3981	3	5.06	15	1,351	1,482	0.010	90.07	0.91	1.000	0.99998
3982	2	1.72	146	7,542	1,748	0.084	51.66	4.31	2.000	0.99990
3991	4	4.08	18	1,268	720	0.025	70.44	1.76	1.125	0.99996
3992	1	1.72	1	103	162	0.006	103.00	0.64	1.000	0.99999
4031	1	0.73	60	2,643	690	0.087	44.05	3.83	1.000	0.99991
4101	1	1.10	80	5,280	576	0.139	66.00	9.17	1.000	0.99979
4131	1	2.58	20	3,117	196	0.102	155.85	15.90	1.000	0.99963
4134	2	1.33	823	39,882	829	0.993	48.46	48.11	1.001	0.99889
4137	2	4.95	785	55,237	784	1.001	70.37	70.46	1.001	0.99837
4138	2	2.82	2	169	748	0.003	84.50	0.23	2.000	0.99999
4141	1	1.22	1	73	81	0.012	73.00	0.90	1.000	0.99998
4151	2	2.06	14	1,048	1,231	0.011	74.86	0.85	1.077	0.99998
4153	1	0.57	1	34	1,285	0.001	34.00	0.03	1.000	0.99999
4171	1	0.57	1	34	870	0.001	34.00	0.04	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4172	6	11.35	34	4,331	1,666	0.020	127.38	2.60	1.030	0.99994
4173	1	0.58	614	21,735	616	0.997	35.40	35.28	1.000	0.99918
4181	2	2.32	43	3,346	479	0.090	77.81	6.99	1.000	0.99984
4182	22	7.84	378	10,334	1,002	0.377	27.34	10.31	1.047	0.99976
4211	2	2.42	54	3,936	665	0.081	72.89	5.92	1.038	0.99986
4212	3	3.85	12	790	801	0.015	65.83	0.99	1.091	0.99998
4221	3	3.00	45	983	488	0.092	21.84	2.01	1.023	0.99995
4222	1	2.85	1	171	992	0.001	171.00	0.17	1.000	0.99999
4223	3	7.11	25	4,054	508	0.049	162.16	7.98	1.000	0.99982
4303	1	0.93	1	56	840	0.001	56.00	0.07	1.000	0.99999
4341	4	5.81	53	4,688	1,734	0.031	88.45	2.70	1.019	0.99994
4342	3	3.43	104	9,550	1,712	0.061	91.83	5.58	1.020	0.99987
4362	1	0.73	83	3,697	815	0.102	44.54	4.54	1.000	0.99989
4363	3	4.19	61	5,213	1,568	0.039	85.46	3.32	1.000	0.99992
4371	2	2.31	48	4,000	1,524	0.031	83.33	2.62	1.000	0.99994
4373	1	2.40	1	144	749	0.001	144.00	0.19	1.000	0.99999
4431	6	14.59	14	2,788	1,348	0.010	199.14	2.07	1.000	0.99995
4432	25	55.56	148	21,928	447	0.331	148.16	49.06	1.130	0.99886
4602	2	2.12	18	1,153	933	0.019	64.06	1.24	1.000	0.99997
5601	5	8.47	109	10,657	1,146	0.095	97.77	9.30	1.019	0.99978
5602	3	3.43	89	4,785	672	0.132	53.76	7.12	1.023	0.99984
5603	10	14.11	10	847	1,246	0.008	84.70	0.68	1.111	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5901	1	0.47	6	172	560	0.011	28.67	0.31	1.000	0.99999
5902	1	1.23	206	15,285	1,007	0.205	74.20	15.18	1.000	0.99965
6023	1	1.27	1	76	460	0.002	76.00	0.17	1.000	0.99999
6024	1	0.77	47	2,150	386	0.122	45.74	5.57	1.000	0.99987
6144	1	0.25	1	15	314	0.003	15.00	0.05	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	329	571.34	12,886	1,051,921	159,899	0.081	81.63	6.58	1.030	0.99985

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2013 to 5/31/2013
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	10.67	143	91,572	1,490	0.096	640.36	61.46	1.000	0.99862
1051	1	0.67	308	12,498	1,066	0.289	40.58	11.72	1.000	0.99974
1052	2	3.72	3	330	289	0.010	110.00	1.14	1.000	0.99997
1082	42	138.70	1,236	259,336	1,293	0.956	209.82	200.57	1.232	0.99551
1091	2	1.32	708	15,246	707	1.001	21.53	21.56	1.001	0.99952
1092	4	12.05	240	77,128	934	0.257	321.37	82.58	1.026	0.99815
1093	5	10.87	71	7,888	229	0.310	111.10	34.45	1.060	0.99923
1094	2	3.80	24	2,334	1,214	0.020	97.25	1.92	1.000	0.99996
1101	5	10.13	224	40,296	965	0.232	179.89	41.76	1.004	0.99906
1141	2	4.54	21	4,011	900	0.023	191.00	4.46	1.050	0.99990
1211	4	17.88	395	173,595	1,473	0.268	439.48	117.85	1.008	0.99736
1212	1	1.35	1	81	325	0.003	81.00	0.25	1.000	0.99999
1213	2	1.83	2	110	541	0.004	55.00	0.20	1.000	0.99999
1230	2	1.95	58	3,851	1,181	0.049	66.40	3.26	1.000	0.99993
1232	6	6.82	141	7,034	1,173	0.120	49.89	6.00	1.007	0.99987
1233	2	1.53	513	18,356	638	0.804	35.78	28.77	1.002	0.99936
1241	1	0.50	1	30	835	0.001	30.00	0.04	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1242	2	1.83	695	33,463	673	1.033	48.15	49.72	1.036	0.99889
1243	2	2.45	25	2,463	1,191	0.021	98.52	2.07	1.000	0.99995
1262	1	0.83	128	6,515	138	0.928	50.90	47.21	1.000	0.99894
1263	3	3.21	17	786	1,100	0.015	46.24	0.71	1.063	0.99998
1271	14	28.52	348	15,420	933	0.373	44.31	16.53	1.074	0.99963
1273	5	7.46	107	7,758	863	0.124	72.50	8.99	1.039	0.99980
1281	1	0.48	1	29	112	0.009	29.00	0.26	1.000	0.99999
1282	3	2.95	94	3,617	914	0.103	38.48	3.96	1.000	0.99991
1285	3	2.71	249	12,664	1,081	0.230	50.86	11.72	1.004	0.99974
1311	1	5.00	75	22,452	268	0.280	299.36	83.78	1.000	0.99812
1312	12	32.77	77	23,805	916	0.084	309.16	25.99	1.069	0.99942
1451	2	3.67	563	67,953	512	1.100	120.70	132.72	1.144	0.99703
1453	4	7.24	1,760	35,289	1,792	0.982	20.05	19.69	1.005	0.99956
1454	2	2.66	2	160	909	0.002	80.00	0.18	1.000	0.99999
1521	2	3.45	123	12,506	354	0.347	101.67	35.33	1.000	0.99921
1523	1	0.83	1	50	708	0.001	50.00	0.07	1.000	0.99999
1841	1	1.98	1	119	613	0.002	119.00	0.19	1.000	0.99999
1842	10	5.21	145	8,556	276	0.525	59.01	31.00	2.843	0.99931
1843	4	8.14	79	8,332	1,075	0.073	105.47	7.75	1.013	0.99983
2091	1	1.50	5	450	871	0.006	90.00	0.52	1.000	0.99999
2092	6	15.59	948	147,438	902	1.051	155.53	163.46	1.048	0.99634
2171	3	9.52	19	7,906	554	0.034	416.11	14.27	1.000	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2172	1	2.33	1	140	218	0.005	140.00	0.64	1.000	0.99999
2211	3	3.00	19	768	720	0.026	40.42	1.07	1.000	0.99998
2212	4	7.92	49	3,835	1,262	0.039	78.27	3.04	1.140	0.99993
2501	1	12.48	73	54,677	78	0.936	749.00	700.99	1.000	0.98430
2511	1	2.25	1	135	611	0.002	135.00	0.22	1.000	0.99999
2621	6	7.16	58	3,633	1,138	0.051	62.64	3.19	1.000	0.99993
2622	1	2.25	1	135	112	0.009	135.00	1.21	1.000	0.99997
2921	10	31.63	10	1,898	406	0.025	189.80	4.67	1.000	0.99990
2951	22	39.10	323	37,655	1,366	0.236	116.58	27.57	1.063	0.99938
2952	1	0.55	6	198	151	0.040	33.00	1.31	1.000	0.99997
3122	2	1.99	30	1,809	840	0.036	60.30	2.15	2.000	0.99995
3123	3	2.33	17	737	1,027	0.017	43.35	0.72	1.133	0.99998
3181	3	16.50	141	44,393	712	0.198	314.84	62.35	1.014	0.99860
3221	2	3.43	33	2,082	1,226	0.027	63.09	1.70	1.000	0.99996
3222	6	11.71	646	42,783	762	0.848	66.23	56.15	1.008	0.99874
3231	1	1.22	13	958	411	0.032	73.69	2.33	1.000	0.99995
3232	1	1.37	421	34,578	421	1.000	82.13	82.13	1.000	0.99816
3303	6	7.47	254	18,091	976	0.260	71.22	18.54	1.033	0.99958
3311	1	1.75	4	420	527	0.008	105.00	0.80	1.000	0.99998
3314	1	0.52	20	630	222	0.090	31.50	2.84	1.000	0.99994
3315	2	2.30	1,595	138,383	1,566	1.019	86.76	88.37	1.019	0.99802
3421	1	0.65	280	11,116	281	0.996	39.70	39.56	1.000	0.99911

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3423	1	0.70	383	16,175	383	1.000	42.23	42.23	1.000	0.99905
3471	3	4.56	204	20,654	164	1.244	101.25	125.94	1.244	0.99718
3472	12	17.37	1,712	159,571	1,552	1.103	93.21	102.82	1.100	0.99770
3553	2	3.85	24	3,487	1,024	0.023	145.29	3.41	1.043	0.99992
3592	5	4.43	22	827	1,705	0.013	37.59	0.49	1.000	0.99999
3593	1	0.90	109	5,934	932	0.117	54.44	6.37	1.000	0.99986
3621	7	9.32	28	6,329	1,540	0.018	226.04	4.11	1.273	0.99991
3661	2	1.25	79	2,868	1,110	0.071	36.30	2.58	1.000	0.99994
3662	3	14.07	83	53,063	1,139	0.073	639.31	46.59	1.025	0.99896
3663	10	32.36	223	39,394	785	0.284	176.65	50.18	1.088	0.99888
3691	1	1.72	1	103	1,143	0.001	103.00	0.09	1.000	0.99999
3692	1	1.80	30	3,255	403	0.074	108.50	8.08	1.000	0.99982
3701	2	3.90	478	33,689	476	1.004	70.48	70.78	1.002	0.99841
3751	15	44.18	1,040	185,077	863	1.205	177.96	214.46	1.205	0.99520
3878	2	2.03	46	2,971	774	0.059	64.59	3.84	1.000	0.99991
3891	2	2.46	437	27,446	430	1.016	62.81	63.83	1.021	0.99857
3892	1	1.57	1	94	467	0.002	94.00	0.20	1.000	0.99999
3893	6	12.49	55	5,088	1,090	0.050	92.51	4.67	1.058	0.99990
3902	1	1.45	1	87	97	0.010	87.00	0.90	1.000	0.99998
3912	1	0.83	1	50	904	0.001	50.00	0.06	1.000	0.99999
3913	5	5.39	5	323	949	0.005	64.60	0.34	1.000	0.99999
3914	17	14.79	606	37,823	656	0.924	62.41	57.66	1.034	0.99871

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3951	3	2.74	58	3,451	897	0.065	59.50	3.85	1.018	0.99991
3952	8	16.89	1,258	320,625	1,221	1.030	254.87	262.59	1.040	0.99412
3953	1	1.57	8	755	514	0.016	94.38	1.47	1.000	0.99997
3981	13	16.96	1,599	167,618	1,484	1.077	104.83	112.95	1.080	0.99747
3982	1	1.80	21	2,287	1,749	0.012	108.90	1.31	1.000	0.99997
3991	6	11.74	20	1,832	721	0.028	91.60	2.54	1.176	0.99994
403	1	1.48	118	10,547	263	0.449	89.38	40.10	1.000	0.99910
4031	4	10.99	235	39,420	687	0.342	167.74	57.38	1.049	0.99871
4091	3	3.94	97	8,044	1,140	0.085	82.93	7.06	1.010	0.99984
4101	10	11.54	1,343	33,222	575	2.336	24.74	57.78	2.336	0.99871
4102	2	0.68	1,471	29,659	895	1.644	20.16	33.14	1.644	0.99926
4138	1	0.55	41	1,363	749	0.055	33.24	1.82	1.000	0.99996
4141	1	1.10	1	66	81	0.012	66.00	0.81	1.000	0.99998
4142	3	4.96	67	6,032	587	0.114	90.03	10.28	1.015	0.99977
4151	1	1.08	1	65	1,231	0.001	65.00	0.05	1.000	0.99999
4152	1	0.38	1	23	784	0.001	23.00	0.03	1.000	0.99999
4154	2	5.08	1,143	170,928	1,136	1.006	149.54	150.46	1.006	0.99663
4155	1	0.80	1	48	2,050	0.000	48.00	0.02	1.000	0.99999
4171	1	5.98	1	359	891	0.001	359.00	0.40	1.000	0.99999
4172	6	8.70	32	2,419	1,671	0.019	75.59	1.45	1.000	0.99997
4173	1	0.85	21	1,072	617	0.034	51.05	1.74	1.000	0.99996
4182	2	1.84	43	2,620	999	0.043	60.93	2.62	1.024	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4211	3	4.72	318	38,990	668	0.476	122.61	58.37	1.191	0.99869
4212	4	5.22	4	313	801	0.005	78.25	0.39	1.000	0.99999
4221	5	4.67	92	5,468	492	0.187	59.43	11.11	1.022	0.99975
4222	1	1.27	1	76	995	0.001	76.00	0.08	1.000	0.99999
4223	1	0.87	1	52	541	0.002	52.00	0.10	1.000	0.99999
4224	1	1.70	18	1,850	752	0.024	102.78	2.46	1.000	0.99994
4302	1	1.80	1	108	642	0.002	108.00	0.17	1.000	0.99999
4303	1	0.98	13	774	853	0.015	59.54	0.91	1.000	0.99998
4311	27	19.21	28	1,210	1,154	0.024	43.21	1.05	1.000	0.99998
4324	6	14.16	58	4,409	1,173	0.049	76.02	3.76	1.094	0.99992
4333	2	3.00	550	61,802	549	1.002	112.37	112.57	1.002	0.99748
4341	1	1.80	1	108	1,738	0.001	108.00	0.06	1.000	0.99999
4342	4	3.88	84	4,556	1,716	0.049	54.24	2.66	1.000	0.99994
4343	3	4.25	36	5,067	1,017	0.035	140.75	4.98	1.059	0.99989
4361	6	7.48	59	4,554	1,633	0.036	77.19	2.79	1.054	0.99994
4362	3	9.58	53	2,039	817	0.065	38.47	2.50	1.019	0.99994
4363	2	2.11	118	7,193	1,570	0.075	60.96	4.58	1.000	0.99990
4371	5	8.03	77	7,694	1,525	0.050	99.92	5.05	1.013	0.99989
4372	2	1.80	25	998	426	0.059	39.92	2.34	1.042	0.99995
4373	1	1.05	524	33,020	749	0.700	63.02	44.09	1.000	0.99901
4385	1	2.50	19	2,811	1,108	0.017	147.95	2.54	1.000	0.99994
4431	3	4.73	4	439	1,351	0.003	109.75	0.32	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4432	4	7.19	6	731	448	0.013	121.83	1.63	1.000	0.99996
4511	1	0.50	1,118	34,527	1,118	1.000	30.88	30.88	1.000	0.99931
4512	1	0.52	932	29,109	932	1.000	31.23	31.23	1.000	0.99930
4513	1	0.50	614	18,491	614	1.000	30.12	30.12	1.000	0.99933
4601	4	6.37	256	5,351	407	0.629	20.90	13.15	1.012	0.99971
4602	2	2.64	116	8,740	932	0.124	75.34	9.38	1.000	0.99979
5601	3	6.25	149	39,941	1,147	0.130	268.06	34.82	1.028	0.99922
5602	2	5.50	2	330	673	0.003	165.00	0.49	1.000	0.99999
5603	2	7.43	97	12,167	1,247	0.078	125.43	9.76	1.021	0.99978
5903	1	1.35	1	81	210	0.005	81.00	0.39	1.000	0.99999
5904	2	3.60	52	7,157	1,094	0.048	137.63	6.54	1.020	0.99985
5905	1	0.62	1	37	1,776	0.001	37.00	0.02	1.000	0.99999
6021	2	1.23	48	1,794	486	0.099	37.38	3.69	1.043	0.99992
6023	10	3.48	508	2,976	459	1.107	5.86	6.48	1.107	0.99985
6024	1	0.88	71	3,795	387	0.183	53.45	9.81	1.000	0.99978
6141	2	2.02	2	121	621	0.003	60.50	0.19	1.000	0.99999
6142	1	0.57	6	204	301	0.020	34.00	0.68	1.000	0.99998
6143	3	6.74	3	405	370	0.008	135.00	1.09	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	544	991.51	32,760	3,286,732	160,375	0.204	100.33	20.49	1.089	0.99954

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2013 to 6/30/2013
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	6	8.20	225	10,166	1,490	0.151	45.18	6.82	1.027	0.99984
1051	2	2.10	293	17,872	1,066	0.275	61.00	16.77	1.000	0.99961
1052	1	5.47	1	328	289	0.003	328.00	1.13	1.000	0.99997
1082	7	15.41	158	30,214	1,293	0.122	191.23	23.37	1.060	0.99946
1091	4	4.98	1,416	114,260	707	2.003	80.69	161.61	2.003	0.99626
1092	5	7.04	5	423	934	0.005	84.60	0.45	1.000	0.99999
1093	1	0.50	1	30	229	0.004	30.00	0.13	1.000	0.99999
1094	7	8.63	1,213	122,799	1,214	0.999	101.24	101.15	1.018	0.99766
1101	1	0.87	1	52	965	0.001	52.00	0.05	1.000	0.99999
1102	2	3.62	2	217	630	0.003	108.50	0.34	1.000	0.99999
1141	5	13.37	1,821	457,278	900	2.023	251.11	508.09	2.023	0.98824
1142	4	11.80	216	66,143	214	1.009	306.22	309.08	1.155	0.99285
1211	3	4.13	14	881	1,473	0.010	62.93	0.60	1.077	0.99999
1213	1	0.97	1	58	541	0.002	58.00	0.11	1.000	0.99999
1230	5	2.20	105	2,318	1,181	0.089	22.08	1.96	1.000	0.99995
1232	3	3.68	121	7,889	1,173	0.103	65.20	6.73	1.008	0.99984
1233	3	3.48	54	4,293	638	0.085	79.50	6.73	1.019	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1241	4	8.32	89	17,688	835	0.107	198.74	21.18	1.011	0.99951
1242	2	4.15	49	6,035	673	0.073	123.16	8.97	1.000	0.99979
1265	1	0.45	1	27	1,272	0.001	27.00	0.02	1.000	0.99999
1271	8	12.97	63	8,564	933	0.068	135.94	9.18	1.750	0.99979
1273	2	1.63	40	1,012	863	0.046	25.30	1.17	1.026	0.99997
1281	1	4.68	1	281	112	0.009	281.00	2.51	1.000	0.99994
1284	2	3.05	44	4,046	856	0.051	91.95	4.73	1.000	0.99989
1285	2	2.62	198	15,628	1,081	0.183	78.93	14.46	1.286	0.99967
1311	2	2.45	7	558	268	0.026	79.71	2.08	1.000	0.99995
1312	4	5.60	34	2,295	916	0.037	67.50	2.51	1.000	0.99994
1451	3	1.89	3	113	512	0.006	37.67	0.22	1.000	0.99999
1452	1	1.13	1	68	451	0.002	68.00	0.15	1.000	0.99999
1453	3	3.00	60	3,421	1,792	0.033	57.02	1.91	1.034	0.99996
1521	1	1.25	71	5,392	354	0.201	75.94	15.23	1.000	0.99965
1523	4	7.74	4	464	708	0.006	116.00	0.66	1.000	0.99998
1841	1	0.47	1	28	613	0.002	28.00	0.05	1.000	0.99999
1842	3	2.08	3	125	276	0.011	41.67	0.45	1.000	0.99999
1843	3	1.50	48	1,290	1,075	0.045	26.88	1.20	1.263	0.99997
2051	2	3.34	2	200	162	0.012	100.00	1.23	1.000	0.99997
2052	1	1.02	6	366	83	0.072	61.00	4.41	1.000	0.99990
2091	1	2.10	1	126	871	0.001	126.00	0.14	1.000	0.99999
2092	2	3.75	2	225	902	0.002	112.50	0.25	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2211	6	6.88	75	6,629	720	0.104	88.39	9.21	1.014	0.99979
2212	2	4.25	33	3,422	1,262	0.026	103.70	2.71	1.138	0.99994
2491	1	0.52	1	31	62	0.016	31.00	0.50	1.000	0.99999
2511	4	3.72	8	489	611	0.013	61.13	0.80	1.000	0.99998
2621	6	8.91	114	12,648	1,138	0.100	110.95	11.11	1.000	0.99974
2921	1	1.32	1	79	406	0.002	79.00	0.19	1.000	0.99999
2951	7	9.70	79	4,796	1,366	0.058	60.71	3.51	1.013	0.99992
3081	1	1.38	31	2,601	566	0.055	83.90	4.60	1.000	0.99989
3121	4	3.14	4	189	1,107	0.004	47.25	0.17	1.000	0.99999
3122	1	1.65	12	1,193	840	0.014	99.42	1.42	1.000	0.99997
3181	1	3.45	1	207	712	0.001	207.00	0.29	1.000	0.99999
3221	6	9.13	71	7,474	1,226	0.058	105.27	6.10	1.044	0.99986
3222	12	22.03	12	1,322	762	0.016	110.17	1.73	1.000	0.99996
3232	1	0.70	1	42	421	0.002	42.00	0.10	1.000	0.99999
3301	1	10.23	8	4,918	205	0.039	614.75	23.99	1.000	0.99944
3302	5	43.47	915	198,798	855	1.070	217.27	232.51	1.092	0.99462
3303	5	28.38	253	56,249	976	0.259	222.33	57.63	1.571	0.99867
3314	2	1.68	21	838	222	0.095	39.90	3.77	1.050	0.99991
3315	4	2.76	1,569	22,206	1,566	1.002	14.15	14.18	1.002	0.99967
3422	1	2.92	1	175	964	0.001	175.00	0.18	1.000	0.99999
3471	1	0.58	39	1,402	164	0.238	35.95	8.55	1.000	0.99980
3472	7	8.55	201	12,133	1,552	0.130	60.36	7.82	1.041	0.99982

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3551	2	4.28	9	385	1,021	0.009	42.78	0.38	1.000	0.99999
3552	4	4.62	45	2,816	571	0.079	62.58	4.93	1.047	0.99989
3553	2	3.51	214	23,616	1,024	0.209	110.36	23.06	1.019	0.99947
3591	16	80.40	1,253	159,666	1,127	1.112	127.43	141.67	1.109	0.99672
3592	15	60.07	230	55,102	1,705	0.135	239.57	32.32	1.018	0.99925
3593	10	35.13	628	107,634	932	0.674	171.39	115.49	1.450	0.99733
3594	4	27.86	256	59,351	636	0.403	231.84	93.32	1.008	0.99784
3621	7	7.48	58	3,152	1,540	0.038	54.34	2.05	1.000	0.99995
3661	6	4.57	127	7,262	1,110	0.114	57.18	6.54	1.008	0.99985
3662	4	17.05	142	8,560	1,139	0.125	60.28	7.52	1.022	0.99983
3663	8	15.43	73	4,797	785	0.093	65.71	6.11	1.028	0.99986
3691	4	4.55	146	15,098	1,143	0.128	103.41	13.21	1.058	0.99969
3692	1	1.37	6	497	403	0.015	82.83	1.23	1.000	0.99997
3694	1	1.20	52	3,789	1,241	0.042	72.87	3.05	1.000	0.99993
3701	1	4.33	8	2,087	476	0.017	260.88	4.38	1.000	0.99990
3702	2	2.77	22	2,569	594	0.037	116.77	4.32	1.000	0.99990
3871	1	1.20	460	33,212	1,373	0.335	72.20	24.19	1.000	0.99944
3873	1	0.78	7	332	788	0.009	47.43	0.42	1.000	0.99999
3878	5	8.46	44	7,215	774	0.057	163.98	9.32	1.073	0.99978
3891	2	2.38	16	899	430	0.037	56.19	2.09	1.067	0.99995
3892	1	2.08	1	125	467	0.002	125.00	0.27	1.000	0.99999
3893	6	11.45	24	2,895	1,090	0.022	120.63	2.66	1.200	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3894	1	2.60	116	18,121	116	1.000	156.22	156.22	1.000	0.99638
3901	4	8.32	870	193,631	866	1.005	222.56	223.59	1.003	0.99482
3902	2	7.92	98	21,915	97	1.010	223.62	225.93	1.010	0.99477
3903	1	3.70	286	63,606	286	1.000	222.40	222.40	1.000	0.99485
3912	1	0.83	1	50	904	0.001	50.00	0.06	1.000	0.99999
3913	2	6.18	96	7,748	949	0.101	80.71	8.16	1.011	0.99981
3914	2	2.85	47	4,084	656	0.072	86.89	6.23	1.000	0.99986
3951	11	25.79	1,165	264,051	897	1.299	226.65	294.37	1.294	0.99319
3952	2	7.46	1,222	329,259	1,221	1.001	269.44	269.66	1.001	0.99376
3953	13	30.44	857	169,654	514	1.667	197.96	330.07	1.674	0.99236
3971	1	1.33	17	1,375	651	0.026	80.88	2.11	1.000	0.99995
3981	4	7.04	202	13,840	1,484	0.136	68.51	9.33	1.041	0.99978
3982	3	6.46	7	1,544	1,749	0.004	220.57	0.88	1.000	0.99998
3991	7	8.91	93	6,027	721	0.129	64.81	8.36	1.011	0.99981
4031	7	13.43	171	21,810	687	0.249	127.54	31.75	1.030	0.99927
4091	4	5.87	23	1,441	1,140	0.020	62.65	1.26	1.000	0.99997
4092	4	6.36	18	2,093	422	0.043	116.28	4.96	1.125	0.99989
4101	3	6.52	161	16,074	575	0.280	99.84	27.95	1.000	0.99935
4102	1	0.82	1	49	895	0.001	49.00	0.05	1.000	0.99999
4141	2	4.10	2	246	81	0.025	123.00	3.04	1.000	0.99993
4151	4	20.35	180	93,841	1,231	0.146	521.34	76.23	1.295	0.99824
4152	4	60.88	70	51,767	784	0.089	739.53	66.03	1.029	0.99847

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4153	2	5.25	35	1,968	1,285	0.027	56.23	1.53	1.000	0.99996
4155	2	3.18	106	8,235	2,050	0.052	77.69	4.02	1.010	0.99991
4171	5	6.23	35	5,774	891	0.039	164.97	6.48	1.061	0.99985
4172	8	30.42	248	25,356	1,671	0.148	102.24	15.17	1.012	0.99965
4181	6	7.74	24	1,617	479	0.050	67.38	3.38	1.000	0.99992
4182	4	5.78	219	8,800	999	0.219	40.18	8.81	1.014	0.99980
4211	5	15.57	87	5,285	668	0.130	60.75	7.91	1.024	0.99982
4212	6	4.96	22	1,572	801	0.027	71.45	1.96	1.048	0.99995
4221	4	5.43	773	56,093	492	1.571	72.57	114.01	1.568	0.99736
4222	2	5.58	41	3,119	995	0.041	76.07	3.13	1.025	0.99993
4223	2	1.45	2	87	541	0.004	43.50	0.16	1.000	0.99999
4224	1	1.58	18	1,717	752	0.024	95.39	2.28	1.000	0.99995
4302	1	3.12	5	936	642	0.008	187.20	1.46	1.000	0.99997
4312	1	0.57	1	34	825	0.001	34.00	0.04	1.000	0.99999
4324	1	3.95	1	237	1,173	0.001	237.00	0.20	1.000	0.99999
4331	7	5.04	13	406	299	0.043	31.23	1.36	1.000	0.99997
4341	15	38.61	50	7,206	1,738	0.029	144.12	4.15	1.064	0.99990
4342	13	123.85	1,543	238,148	1,716	0.899	154.34	138.78	1.201	0.99679
4343	12	112.14	160	82,436	1,017	0.157	515.23	81.06	1.032	0.99812
4361	3	3.50	79	5,694	1,633	0.048	72.08	3.49	1.013	0.99992
4363	8	13.29	157	24,872	1,570	0.100	158.42	15.84	1.019	0.99963
4371	4	4.35	144	7,612	1,525	0.094	52.86	4.99	1.083	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4372	3	4.75	3	285	426	0.007	95.00	0.67	1.500	0.99998
4373	3	6.45	8	967	749	0.011	120.88	1.29	1.000	0.99997
4385	2	2.98	14	1,253	1,108	0.013	89.50	1.13	2.000	0.99997
4431	6	8.68	6	521	1,351	0.004	86.83	0.39	1.000	0.99999
4432	4	6.62	16	1,883	448	0.036	117.69	4.20	1.143	0.99990
4511	3	2.42	129	4,576	1,118	0.115	35.47	4.09	1.000	0.99991
4512	1	3.88	1	233	932	0.001	233.00	0.25	1.000	0.99999
4602	3	2.90	22	1,431	932	0.024	65.05	1.54	1.000	0.99996
5601	2	1.35	7	338	1,147	0.006	48.29	0.29	1.000	0.99999
5603	5	6.99	41	2,441	1,247	0.033	59.54	1.96	1.051	0.99995
5901	1	0.75	32	1,467	573	0.056	45.84	2.56	1.000	0.99994
5902	2	1.17	1,009	22,644	1,008	1.001	22.44	22.46	1.001	0.99948
5903	1	1.88	1	113	210	0.005	113.00	0.54	1.000	0.99999
5904	1	1.30	8	629	1,094	0.007	78.63	0.57	1.000	0.99999
6023	1	0.87	14	741	459	0.031	52.93	1.61	1.000	0.99996
6024	1	0.55	9	298	387	0.023	33.11	0.77	1.000	0.99998
6141	1	1.70	1	102	621	0.002	102.00	0.16	1.000	0.99999
Total:	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	530	1,342.95	24,433	3,551,425	160,375	0.152	145.35	22.14	1.171	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2013 to 7/31/2013
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	6	6.31	330	24,133	1,490	0.221	73.13	16.20	1.028	0.99964
1051	4	25.90	295	24,180	1,066	0.277	81.97	22.68	1.007	0.99949
1082	18	22.78	1,417	121,838	1,293	1.096	85.98	94.23	1.096	0.99789
1091	4	12.50	752	24,683	707	1.064	32.82	34.91	1.064	0.99922
1092	4	1.50	4	90	934	0.004	22.50	0.10	1.000	0.99999
1094	5	7.46	65	5,763	1,214	0.054	88.66	4.75	1.066	0.99989
1101	3	2.62	123	6,053	965	0.127	49.21	6.27	1.008	0.99986
1102	4	8.20	28	3,084	630	0.044	110.14	4.90	1.000	0.99989
1142	1	0.70	13	553	214	0.061	42.54	2.58	1.000	0.99994
1211	4	6.52	36	4,192	1,473	0.024	116.44	2.85	1.059	0.99994
1213	1	1.75	1	105	541	0.002	105.00	0.19	1.000	0.99999
1230	3	3.04	1,208	77,882	1,181	1.023	64.47	65.95	1.023	0.99852
1232	6	5.41	221	17,027	1,173	0.188	77.05	14.52	1.169	0.99967
1233	1	1.52	32	2,852	638	0.050	89.13	4.47	1.000	0.99990
1243	4	4.90	58	3,694	1,191	0.049	63.69	3.10	1.036	0.99993
1261	2	3.48	2	209	387	0.005	104.50	0.54	1.000	0.99999
1263	2	1.03	53	1,524	1,100	0.048	28.75	1.39	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1265	6	5.22	1,354	109,658	1,272	1.064	80.99	86.21	1.064	0.99807
1271	4	6.80	4	408	933	0.004	102.00	0.44	1.000	0.99999
1273	1	0.63	72	2,763	863	0.083	38.38	3.20	1.000	0.99993
1282	2	2.29	108	7,498	914	0.118	69.43	8.20	1.000	0.99982
1283	1	0.67	1	40	361	0.003	40.00	0.11	1.000	0.99999
1311	2	5.90	269	83,137	268	1.004	309.06	310.21	1.004	0.99305
1312	1	1.53	27	2,495	916	0.029	92.41	2.72	1.000	0.99994
1451	1	1.72	1	103	512	0.002	103.00	0.20	1.000	0.99999
1453	1	0.47	7	202	1,792	0.004	28.86	0.11	1.000	0.99999
1521	1	1.67	20	2,005	354	0.056	100.25	5.66	1.000	0.99987
1523	12	26.25	28	3,628	708	0.040	129.57	5.12	1.037	0.99989
1842	4	3.90	4	234	276	0.014	58.50	0.85	1.000	0.99998
1843	3	4.07	35	2,285	1,075	0.033	65.29	2.13	1.029	0.99995
2091	3	6.05	198	33,149	871	0.227	167.42	38.06	1.059	0.99915
2092	1	1.30	1	78	902	0.001	78.00	0.09	1.000	0.99999
2171	2	1.57	555	23,698	554	1.002	42.70	42.78	1.002	0.99904
2172	1	0.67	218	8,847	218	1.000	40.58	40.58	1.000	0.99909
2211	9	4.08	59	1,814	720	0.082	30.75	2.52	1.054	0.99994
2212	6	8.48	22	1,552	1,262	0.017	70.55	1.23	2.200	0.99997
2511	1	1.08	25	1,639	611	0.041	65.56	2.68	1.000	0.99994
2621	4	4.78	34	2,718	1,138	0.030	79.94	2.39	1.063	0.99995
2921	3	18.09	82	43,821	406	0.202	534.40	107.93	1.079	0.99758

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2951	1	0.80	1	48	1,366	0.001	48.00	0.04	1.000	0.99999
3081	1	1.13	3	204	566	0.005	68.00	0.36	1.000	0.99999
3121	2	1.53	116	6,925	1,107	0.105	59.70	6.26	1.009	0.99986
3122	4	6.87	59	4,203	840	0.070	71.24	5.00	1.000	0.99989
3123	1	1.70	12	1,226	1,027	0.012	102.17	1.19	1.000	0.99997
3181	2	1.97	2	118	712	0.003	59.00	0.17	1.000	0.99999
3221	3	3.74	121	9,969	1,226	0.099	82.39	8.13	2.200	0.99982
3231	2	1.48	412	31,809	411	1.002	77.21	77.39	1.002	0.99827
3232	2	4.53	16	2,412	421	0.038	150.75	5.73	1.000	0.99987
3301	1	1.83	13	1,432	205	0.063	110.15	6.99	1.000	0.99984
3311	1	4.90	1	294	527	0.002	294.00	0.56	1.000	0.99999
3313	1	0.08	1	5	1,229	0.001	5.00	0.00	1.000	0.99999
3314	1	0.63	1	38	222	0.005	38.00	0.17	1.000	0.99999
3315	1	0.48	1	29	1,566	0.001	29.00	0.02	1.000	0.99999
3422	1	1.67	8	805	964	0.008	100.63	0.84	1.000	0.99998
3471	3	3.44	41	2,256	164	0.250	55.02	13.76	1.051	0.99969
3472	10	10.48	1,673	199,594	1,552	1.078	119.30	128.60	1.075	0.99712
3551	1	0.35	1	21	1,021	0.001	21.00	0.02	1.000	0.99999
3552	3	4.88	20	1,451	571	0.035	72.55	2.54	1.000	0.99994
3591	2	0.93	38	1,183	1,127	0.034	31.13	1.05	1.000	0.99998
3592	5	5.92	23	1,448	1,705	0.013	62.96	0.85	1.000	0.99998
3593	2	2.60	67	5,745	932	0.072	85.75	6.16	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3594	1	2.00	22	2,656	636	0.035	120.73	4.18	1.000	0.99991
3621	3	5.45	38	2,210	1,540	0.025	58.16	1.44	1.027	0.99997
3661	6	9.03	30	2,409	1,110	0.027	80.30	2.17	1.071	0.99995
3662	3	2.62	1,141	89,035	1,139	1.002	78.03	78.17	1.002	0.99825
3663	1	4.12	30	7,428	785	0.038	247.60	9.46	1.000	0.99979
3691	2	2.02	1,163	74,236	1,143	1.017	63.83	64.95	1.017	0.99855
3692	1	0.65	1	39	403	0.002	39.00	0.10	1.000	0.99999
3694	1	2.72	1	163	1,241	0.001	163.00	0.13	1.000	0.99999
3702	3	4.55	54	3,355	594	0.091	62.13	5.65	1.019	0.99987
3751	3	3.93	3	236	863	0.003	78.67	0.27	1.000	0.99999
3871	3	3.05	67	2,779	1,373	0.049	41.48	2.02	1.000	0.99995
3872	3	4.70	114	7,816	1,065	0.107	68.56	7.34	1.000	0.99984
3873	1	1.23	37	2,758	788	0.047	74.54	3.50	1.000	0.99992
3891	2	1.32	320	5,252	430	0.744	16.41	12.21	1.003	0.99973
3893	4	3.35	4	201	1,090	0.004	50.25	0.18	1.000	0.99999
3894	3	7.33	28	7,069	116	0.241	252.46	60.94	1.000	0.99863
3901	4	7.03	23	2,506	866	0.027	108.96	2.89	1.000	0.99994
3902	2	2.18	98	7,021	97	1.010	71.64	72.38	1.010	0.99838
3903	1	2.73	1	164	286	0.003	164.00	0.57	1.000	0.99999
3912	1	0.93	8	448	904	0.009	56.00	0.50	1.000	0.99999
3913	1	10.70	252	161,433	949	0.266	640.61	170.11	1.000	0.99619
3914	9	11.00	55	7,119	656	0.084	129.44	10.85	1.038	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3951	4	4.31	971	97,282	897	1.082	100.19	108.45	1.079	0.99757
3952	2	1.85	2	111	1,221	0.002	55.50	0.09	1.000	0.99999
3953	2	2.21	7	343	514	0.014	49.00	0.67	1.167	0.99999
3971	4	9.02	115	14,941	651	0.177	129.92	22.95	1.009	0.99949
3981	6	7.59	680	52,504	1,484	0.458	77.21	35.38	1.040	0.99921
3982	4	9.15	466	48,889	1,749	0.266	104.91	27.95	1.000	0.99937
3991	4	5.75	4	345	721	0.006	86.25	0.48	1.000	0.99999
3992	1	1.42	1	85	162	0.006	85.00	0.52	1.000	0.99999
403	1	2.52	7	1,062	263	0.027	151.71	4.04	1.000	0.99991
4031	2	6.03	61	6,585	687	0.089	107.95	9.59	1.000	0.99979
4091	2	2.29	2	137	1,140	0.002	68.50	0.12	1.000	0.99999
4092	6	4.51	428	34,129	422	1.014	79.74	80.87	1.012	0.99819
4101	1	1.15	1	69	575	0.002	69.00	0.12	1.000	0.99999
4102	1	2.37	1	142	895	0.001	142.00	0.16	1.000	0.99999
4131	1	1.12	196	13,243	196	1.000	67.57	67.57	1.000	0.99849
4133	1	1.20	630	45,443	630	1.000	72.13	72.13	1.000	0.99838
4134	1	1.22	822	60,406	829	0.992	73.49	72.87	1.000	0.99837
4135	1	0.68	1	41	58	0.017	41.00	0.71	1.000	0.99998
4141	1	1.98	1	119	81	0.012	119.00	1.47	1.000	0.99997
4151	2	1.93	37	1,380	1,231	0.030	37.30	1.12	1.000	0.99997
4153	4	6.02	16	1,642	1,285	0.012	102.63	1.28	1.000	0.99997
4155	2	2.33	9	692	2,050	0.004	76.89	0.34	1.125	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4171	4	3.38	71	4,120	891	0.080	58.03	4.62	1.076	0.99990
4172	6	6.10	30	2,524	1,671	0.018	84.13	1.51	1.000	0.99997
4173	1	4.52	1	271	617	0.002	271.00	0.44	1.000	0.99999
4182	2	2.51	107	7,972	999	0.107	74.50	7.98	1.009	0.99982
4211	4	4.35	76	6,524	668	0.114	85.84	9.77	1.027	0.99978
4212	6	7.65	46	3,082	801	0.057	67.00	3.85	1.000	0.99991
4221	6	10.51	434	31,569	492	0.882	72.74	64.16	1.061	0.99856
4222	4	3.46	8	396	995	0.008	49.50	0.40	2.000	0.99999
4223	1	0.98	10	597	541	0.018	59.70	1.10	1.000	0.99998
4303	1	0.57	33	1,131	853	0.039	34.27	1.33	1.000	0.99997
4311	2	2.26	2	136	1,154	0.002	68.00	0.12	1.000	0.99999
4312	2	0.89	126	3,236	825	0.153	25.68	3.92	1.016	0.99991
4313	2	1.60	15	769	314	0.048	51.27	2.45	1.000	0.99995
4324	2	4.09	66	7,310	1,173	0.056	110.76	6.23	1.000	0.99986
4341	16	18.21	27	1,623	1,738	0.016	60.11	0.93	1.038	0.99998
4342	2	3.05	2	183	1,716	0.001	91.50	0.11	1.000	0.99999
4343	2	2.68	207	24,858	1,017	0.204	120.09	24.44	1.095	0.99945
4361	4	2.52	113	5,870	1,633	0.069	51.95	3.59	1.018	0.99992
4362	1	21.27	1	17	817	0.001	17.00	0.02	1.000	0.99999
4363	2	2.95	7	742	1,570	0.004	106.00	0.47	1.167	0.99999
4371	9	11.95	107	6,272	1,525	0.070	58.62	4.11	1.151	0.99991
4372	1	1.73	1	104	426	0.002	104.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4373	3	5.16	50	4,728	749	0.067	94.56	6.31	1.042	0.99986
4383	1	1.10	62	4,066	141	0.440	65.58	28.84	1.000	0.99935
4431	7	20.59	10	1,417	1,351	0.007	141.70	1.05	1.000	0.99998
4432	1	1.18	10	719	448	0.022	71.90	1.60	1.000	0.99996
4511	3	2.40	3	144	1,118	0.003	48.00	0.13	1.000	0.99999
4601	3	4.83	17	1,626	407	0.042	95.65	4.00	1.063	0.99991
4602	5	7.58	129	10,646	932	0.138	82.53	11.42	1.024	0.99974
5601	2	1.18	2	71	1,147	0.002	35.50	0.06	1.000	0.99999
5603	11	17.18	172	16,799	1,247	0.138	97.67	13.47	1.006	0.99970
5902	2	8.10	60	2,885	1,008	0.060	48.08	2.86	1.000	0.99994
5904	1	0.97	86	5,003	1,094	0.079	58.17	4.57	1.000	0.99990
6023	1	1.03	1	62	459	0.002	62.00	0.14	1.000	0.99999
6024	1	0.73	34	1,516	387	0.088	44.59	3.92	1.000	0.99991
6141	4	5.06	7	493	621	0.011	70.43	0.79	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	427	648.39	20,473	1,846,253	160,375	0.128	90.18	11.51	1.038	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2013 to 8/31/2013
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	1	7.35	167	73,558	1,066	0.157	440.47	69.00	1.000	0.99845
1082	4	6.12	4	367	1,294	0.003	91.75	0.28	1.000	0.99999
1091	2	2.61	61	6,666	706	0.086	109.28	9.44	1.000	0.99979
1094	3	6.55	43	2,748	1,216	0.035	63.91	2.26	1.000	0.99995
1101	1	0.67	101	4,130	967	0.104	40.89	4.27	1.000	0.99990
1102	1	1.00	2	121	543	0.004	60.50	0.22	1.000	0.99999
1141	1	0.70	1	42	900	0.001	42.00	0.05	1.000	0.99999
1211	5	7.29	5	438	1,473	0.003	87.60	0.30	1.000	0.99999
1212	2	2.32	2	139	325	0.006	69.50	0.43	1.000	0.99999
1213	1	1.03	1	62	541	0.002	62.00	0.11	1.000	0.99999
1230	1	0.67	17	689	1,181	0.014	40.53	0.58	1.000	0.99999
1232	1	0.72	32	1,376	1,174	0.027	43.00	1.17	1.000	0.99997
1263	1	0.98	15	847	1,104	0.014	56.47	0.77	1.000	0.99998
1265	2	3.29	111	17,684	1,273	0.087	159.32	13.89	1.000	0.99969
1271	2	1.67	14	643	933	0.015	45.93	0.69	1.077	0.99998
1282	2	1.11	118	3,287	915	0.129	27.86	3.59	1.000	0.99992
1283	1	0.62	1	37	361	0.003	37.00	0.10	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1311	1	1.33	1	80	268	0.004	80.00	0.30	1.000	0.99999
1312	6	6.40	26	1,580	916	0.028	60.77	1.72	1.238	0.99996
1451	1	0.90	1	54	511	0.002	54.00	0.11	1.000	0.99999
1452	1	0.47	1	28	451	0.002	28.00	0.06	1.000	0.99999
1453	1	1.07	1	64	1,792	0.001	64.00	0.04	1.000	0.99999
1521	4	7.54	4	452	354	0.011	113.00	1.28	1.000	0.99997
1522	2	4.70	3	467	100	0.030	155.67	4.67	1.000	0.99990
1523	6	14.90	14	2,074	708	0.020	148.14	2.93	1.077	0.99993
1843	2	1.55	66	3,125	1,076	0.061	47.35	2.90	1.031	0.99993
2091	2	3.04	2	182	872	0.002	91.00	0.21	1.000	0.99999
2172	14	21.88	107	13,961	218	0.491	130.48	64.04	1.049	0.99857
2211	7	6.88	9	474	720	0.013	52.67	0.66	1.125	0.99999
2212	4	6.52	54	5,062	1,264	0.043	93.74	4.00	1.019	0.99991
2511	1	0.87	1	52	612	0.002	52.00	0.08	1.000	0.99999
2621	4	3.97	29	2,276	1,138	0.025	78.48	2.00	1.115	0.99996
2921	5	12.97	44	8,621	406	0.108	195.93	21.23	1.048	0.99952
2951	2	10.21	2	613	1,368	0.001	306.50	0.45	1.000	0.99999
2952	1	0.72	23	1,001	151	0.152	43.52	6.63	1.000	0.99985
2961	2	3.45	7	694	646	0.011	99.14	1.07	1.000	0.99998
3081	1	1.40	1	84	566	0.002	84.00	0.15	1.000	0.99999
3121	1	3.25	1	195	1,113	0.001	195.00	0.18	1.000	0.99999
3122	2	5.20	84	17,801	840	0.100	211.92	21.19	1.000	0.99953

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3123	1	2.20	12	1,590	1,028	0.012	132.50	1.55	1.000	0.99997
3181	3	4.09	25	2,030	713	0.035	81.20	2.85	1.000	0.99994
3221	29	51.53	58	5,574	1,227	0.047	96.10	4.54	1.036	0.99990
3222	1	2.32	1	139	762	0.001	139.00	0.18	1.000	0.99999
3231	1	2.70	1	162	411	0.002	162.00	0.39	1.000	0.99999
3232	5	13.67	21	4,563	421	0.050	217.29	10.84	1.105	0.99976
3301	1	1.70	1	102	205	0.005	102.00	0.50	1.000	0.99999
3303	2	3.49	2	209	976	0.002	104.50	0.21	1.000	0.99999
3311	1	4.98	475	142,028	529	0.898	299.01	268.48	1.000	0.99399
3312	1	0.90	1	54	373	0.003	54.00	0.14	1.000	0.99999
3313	1	0.98	1	59	1,231	0.001	59.00	0.05	1.000	0.99999
3315	2	5.83	2	350	1,566	0.001	175.00	0.22	1.000	0.99999
3421	1	0.83	1	50	283	0.004	50.00	0.18	1.000	0.99999
3422	6	16.53	133	8,117	964	0.138	61.03	8.42	1.023	0.99981
3472	9	15.43	180	14,356	1,554	0.116	79.76	9.24	1.000	0.99979
3551	2	1.95	66	4,745	1,019	0.065	71.89	4.66	1.015	0.99990
3552	2	5.35	28	5,831	570	0.049	208.25	10.23	1.000	0.99977
3553	4	8.25	4	495	1,024	0.004	123.75	0.48	1.000	0.99999
3592	4	7.97	76	11,343	1,707	0.045	149.25	6.64	1.041	0.99985
3621	4	5.55	210	14,421	1,540	0.136	68.67	9.36	1.045	0.99979
3662	3	7.87	1,147	48,063	948	1.210	41.90	50.70	1.007	0.99886
3663	4	2.50	4	150	776	0.005	37.50	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3671	3	7.35	23	4,543	884	0.026	197.52	5.14	1.917	0.99988
3691	1	0.88	20	1,065	1,143	0.017	53.25	0.93	1.000	0.99998
3692	3	7.73	405	45,069	404	1.002	111.28	111.56	1.010	0.99750
3694	1	1.38	1	83	1,242	0.001	83.00	0.07	1.000	0.99999
3701	3	5.53	16	1,300	476	0.034	81.25	2.73	1.000	0.99994
3702	1	2.00	1	120	595	0.002	120.00	0.20	1.000	0.99999
3871	4	5.93	24	1,627	1,376	0.017	67.79	1.18	1.043	0.99997
3872	1	0.35	19	405	1,065	0.018	21.32	0.38	1.000	0.99999
3891	5	5.83	33	2,259	430	0.077	68.45	5.25	1.138	0.99988
3893	3	2.37	34	1,260	1,090	0.031	37.06	1.16	1.030	0.99997
3894	3	1.86	5	210	116	0.043	42.00	1.81	1.000	0.99996
3901	1	0.60	1	36	867	0.001	36.00	0.04	1.000	0.99999
3903	1	2.72	1	163	286	0.003	163.00	0.57	1.000	0.99999
3913	6	8.16	1,082	116,495	949	1.140	107.67	122.76	1.152	0.99725
3914	1	2.32	1	139	657	0.002	139.00	0.21	1.000	0.99999
3951	7	8.98	25	2,005	899	0.028	80.20	2.23	1.087	0.99995
3952	5	5.32	112	6,905	1,227	0.091	61.65	5.63	1.143	0.99987
3953	3	6.37	31	2,278	513	0.060	73.48	4.44	1.033	0.99990
3981	1	0.93	41	2,321	1,486	0.028	56.61	1.56	1.000	0.99997
3982	4	2.87	173	5,944	1,749	0.099	34.36	3.40	1.000	0.99992
3991	2	2.10	2	126	720	0.003	63.00	0.18	1.000	0.99999
4031	1	1.02	114	6,998	687	0.166	61.39	10.19	1.000	0.99977

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4091	3	6.35	3	381	1,140	0.003	127.00	0.33	1.000	0.99999
4092	16	16.75	460	27,578	422	1.090	59.95	65.35	1.087	0.99854
4101	3	3.28	95	6,599	576	0.165	69.46	11.46	1.011	0.99974
4102	1	0.92	18	996	896	0.020	55.33	1.11	1.000	0.99998
4132	19	15.72	27	1,401	566	0.048	51.89	2.48	1.038	0.99994
4133	2	3.53	2	212	630	0.003	106.00	0.34	1.000	0.99999
4137	4	3.85	138	4,840	786	0.176	35.07	6.16	1.015	0.99986
4138	1	4.28	1	257	746	0.001	257.00	0.34	1.000	0.99999
4141	6	6.36	6	381	81	0.074	63.50	4.70	1.000	0.99989
4142	1	1.52	1	91	588	0.002	91.00	0.15	1.000	0.99999
4151	2	2.35	47	3,741	1,232	0.038	79.60	3.04	1.000	0.99993
4154	2	3.01	2	181	1,138	0.002	90.50	0.16	1.000	0.99999
4172	2	5.07	101	9,582	1,674	0.060	94.87	5.72	1.000	0.99987
4182	3	3.70	46	1,458	1,001	0.046	31.70	1.46	1.000	0.99997
4211	3	6.63	45	5,932	671	0.067	131.82	8.84	1.023	0.99980
4212	6	6.38	93	5,834	802	0.116	62.73	7.27	1.033	0.99984
4221	3	5.31	3	319	494	0.006	106.33	0.65	1.000	0.99999
4222	8	14.05	1,007	69,919	996	1.011	69.43	70.20	1.012	0.99843
4224	1	4.85	4	1,167	752	0.005	291.75	1.55	1.000	0.99997
4303	2	2.01	2	121	854	0.002	60.50	0.14	2.000	0.99999
4311	1	1.72	1	103	1,154	0.001	103.00	0.09	1.000	0.99999
4312	2	4.35	28	3,663	826	0.034	130.82	4.43	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4322	1	2.35	1	141	90	0.011	141.00	1.57	1.000	0.99996
4324	1	1.05	1	63	1,184	0.001	63.00	0.05	1.000	0.99999
4331	1	1.25	299	22,479	298	1.003	75.18	75.43	1.000	0.99831
4333	1	1.12	1	67	549	0.002	67.00	0.12	1.000	0.99999
4334	9	7.55	974	76,254	300	3.247	78.29	254.18	1.008	0.99431
4341	5	4.93	52	3,144	1,741	0.030	60.46	1.81	1.020	0.99996
4342	3	3.32	104	12,094	1,718	0.061	116.29	7.04	1.010	0.99984
4343	3	3.74	36	2,602	1,018	0.035	72.28	2.56	1.059	0.99994
4362	1	1.22	34	2,484	818	0.042	73.06	3.04	1.000	0.99993
4363	1	2.23	1	134	1,574	0.001	134.00	0.09	1.000	0.99999
4371	3	2.48	127	7,308	1,526	0.083	57.54	4.79	1.008	0.99989
4372	2	6.27	4	516	426	0.009	129.00	1.21	1.333	0.99997
4373	5	5.95	528	36,819	748	0.706	69.73	49.22	1.008	0.99890
4381	2	5.05	318	47,577	316	1.006	149.61	150.56	1.003	0.99663
4385	1	0.78	33	1,578	1,108	0.030	47.82	1.42	1.000	0.99997
4386	1	4.50	285	77,087	1,647	0.173	270.48	46.80	1.000	0.99895
4431	3	4.85	15	1,831	1,352	0.011	122.07	1.35	1.154	0.99997
4432	1	3.73	1	224	449	0.002	224.00	0.50	1.000	0.99999
4511	1	0.60	16	582	1,118	0.014	36.38	0.52	1.000	0.99999
453	1	0.28	1	17	129	0.008	17.00	0.13	1.000	0.99999
5601	5	5.54	243	21,343	1,148	0.212	87.83	18.59	1.017	0.99958
5603	4	3.35	4	201	1,250	0.003	50.25	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5902	1	4.82	15	4,341	1,009	0.015	289.40	4.30	1.000	0.99990
5903	2	2.53	10	558	210	0.048	55.80	2.66	1.000	0.99994
5904	4	4.04	57	1,767	1,098	0.052	31.00	1.61	1.118	0.99996
5905	3	4.70	62	6,987	1,800	0.034	112.69	3.88	1.000	0.99991
6021	4	11.53	83	12,372	486	0.171	149.06	25.46	1.051	0.99943
6022	1	0.32	1	19	374	0.003	19.00	0.05	1.000	0.99999
6023	3	10.63	21	3,320	460	0.046	158.10	7.22	1.050	0.99984
6024	1	3.30	1	198	387	0.003	198.00	0.51	1.000	0.99999
6141	5	4.86	24	724	622	0.039	30.17	1.16	1.091	0.99997
6142	1	1.82	1	109	301	0.003	109.00	0.36	1.000	0.99999
6143	1	1.57	39	3,702	370	0.105	94.92	10.01	1.000	0.99978
6144	1	1.20	1	72	314	0.003	72.00	0.23	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	421	658.59	11,312	1,131,026	160,093	0.071	99.98	7.06	1.013	0.99984

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
 9/1/2013 to 9/30/2013
 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	13	11.37	1,421	83,712	1,491	0.953	58.91	56.14	1.022	0.99870
1051	5	12.24	1,100	102,439	1,065	1.033	93.13	96.19	1.033	0.99777
1052	1	1.37	289	23,698	289	1.000	82.00	82.00	1.000	0.99810
1082	8	9.04	197	12,070	1,296	0.152	61.27	9.31	1.053	0.99978
1091	5	7.22	779	77,869	706	1.103	99.96	110.30	1.146	0.99745
1092	1	1.35	1	81	935	0.001	81.00	0.09	1.000	0.99999
1093	2	1.98	29	784	228	0.127	27.03	3.44	1.000	0.99992
1094	3	2.99	109	6,732	1,217	0.090	61.76	5.53	1.019	0.99987
1101	2	2.12	2	127	969	0.002	63.50	0.13	1.000	0.99999
1102	2	2.62	457	46,787	456	1.002	102.38	102.60	1.002	0.99762
1141	1	1.17	1	70	900	0.001	70.00	0.08	1.000	0.99999
1211	3	3.68	80	5,478	1,473	0.054	68.48	3.72	1.111	0.99991
1212	1	2.18	1	131	325	0.003	131.00	0.40	1.000	0.99999
1232	1	1.93	8	931	1,174	0.007	116.38	0.79	1.000	0.99998
1241	2	2.50	2	150	835	0.002	75.00	0.18	1.000	0.99999
1242	1	0.80	15	723	673	0.022	48.20	1.07	1.000	0.99998
1265	2	2.97	13	842	1,274	0.010	64.77	0.66	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	2	1.56	40	2,162	933	0.043	54.05	2.32	1.000	0.99995
1272	1	5.63	9	3,043	13	0.692	338.11	234.08	1.000	0.99458
1273	3	2.35	145	5,687	863	0.168	39.22	6.59	1.007	0.99985
1281	1	1.78	3	323	113	0.027	107.67	2.86	1.000	0.99993
1282	1	1.42	8	686	916	0.009	85.75	0.75	1.000	0.99998
1284	3	5.87	11	1,657	856	0.013	150.64	1.94	1.222	0.99996
1285	2	5.38	358	57,968	1,081	0.331	161.92	53.62	2.000	0.99876
1311	2	2.29	272	27,052	267	1.019	99.46	101.32	1.023	0.99765
1312	3	3.24	938	94,309	916	1.024	100.54	102.96	1.024	0.99762
1451	1	1.47	15	1,331	510	0.029	88.73	2.61	1.000	0.99994
1453	4	5.17	401	63,188	1,793	0.224	157.58	35.24	1.008	0.99918
1454	5	4.15	9	377	910	0.010	41.89	0.41	1.000	0.99999
1455	2	3.04	9	694	376	0.024	77.11	1.85	1.000	0.99996
1521	2	2.38	3	241	354	0.008	80.33	0.68	1.000	0.99998
1522	1	1.60	100	9,604	100	1.000	96.04	96.04	1.000	0.99778
1523	1	1.52	6	551	709	0.008	91.83	0.78	1.000	0.99998
1843	2	2.37	63	3,824	1,078	0.058	60.70	3.55	1.016	0.99992
2091	1	1.78	1	107	872	0.001	107.00	0.12	1.000	0.99999
2171	1	0.52	1	31	555	0.002	31.00	0.06	1.000	0.99999
2211	1	0.77	40	1,863	720	0.056	46.58	2.59	1.000	0.99994
2212	1	0.65	1	39	1,265	0.001	39.00	0.03	1.000	0.99999
2621	3	2.93	9	608	1,139	0.008	67.56	0.53	1.125	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2622	2	7.85	19	4,937	112	0.170	259.84	44.08	1.000	0.99898
2921	2	4.81	33	4,551	406	0.081	137.91	11.21	1.000	0.99974
2951	1	1.37	1	82	1,371	0.001	82.00	0.06	1.000	0.99999
3081	1	1.72	1	103	566	0.002	103.00	0.18	1.000	0.99999
3121	1	0.18	1,119	13,297	1,119	1.000	11.88	11.88	1.000	0.99972
3122	3	3.83	75	5,947	841	0.089	79.29	7.07	1.014	0.99984
3181	6	7.38	754	22,691	714	1.056	30.09	31.78	1.056	0.99926
3221	5	5.14	44	2,606	1,228	0.036	59.23	2.12	1.100	0.99995
3222	1	0.82	14	694	761	0.018	49.57	0.91	1.000	0.99998
3303	2	3.46	978	166,469	977	1.001	170.21	170.39	1.001	0.99606
3311	2	7.00	175	12,207	531	0.330	69.75	22.99	1.000	0.99947
3314	1	3.43	14	2,896	222	0.063	206.86	13.05	1.000	0.99970
3315	2	1.73	102	4,785	1,565	0.065	46.91	3.06	1.000	0.99993
3422	4	5.90	983	86,528	964	1.020	88.02	89.76	1.019	0.99792
3471	2	3.06	170	17,114	164	1.037	100.67	104.35	1.037	0.99758
3472	8	10.54	1,601	159,521	1,555	1.030	99.64	102.59	1.036	0.99763
3551	2	3.32	2	199	1,017	0.002	99.50	0.20	1.000	0.99999
3552	1	6.08	10	3,653	570	0.018	365.30	6.41	1.000	0.99985
3553	1	0.83	7	353	1,024	0.007	50.43	0.34	1.000	0.99999
3591	2	3.20	19	1,419	1,130	0.017	74.68	1.26	1.000	0.99997
3592	3	1.60	5	216	1,709	0.003	43.20	0.13	1.000	0.99999
3594	2	2.70	23	2,878	639	0.036	125.13	4.50	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3621	3	4.51	25	2,095	1,539	0.016	83.80	1.36	1.042	0.99997
3661	2	1.65	2	99	1,010	0.002	49.50	0.10	1.000	0.99999
3663	5	3.79	75	3,603	768	0.098	48.04	4.69	1.014	0.99989
3664	2	1.35	37	1,912	499	0.074	51.68	3.83	1.028	0.99991
3694	1	2.97	2	356	1,244	0.002	178.00	0.29	1.000	0.99999
3701	3	4.93	125	8,136	477	0.262	65.09	17.06	1.087	0.99961
3702	1	1.15	8	554	596	0.013	69.25	0.93	1.000	0.99998
3751	1	1.27	1	76	866	0.001	76.00	0.09	1.000	0.99999
3872	4	5.88	18	1,028	1,065	0.017	57.11	0.97	1.059	0.99998
3891	2	3.13	2	188	431	0.005	94.00	0.44	1.000	0.99999
3892	1	4.55	1	273	467	0.002	273.00	0.58	1.000	0.99999
3901	3	6.96	3	417	868	0.003	139.00	0.48	1.000	0.99999
3914	3	3.76	654	27,696	658	0.994	42.35	42.09	1.110	0.99903
3951	4	7.00	203	27,451	901	0.225	135.23	30.47	1.036	0.99929
3952	2	3.38	358	70,501	1,233	0.290	196.93	57.18	1.003	0.99868
3953	1	1.00	1	60	512	0.002	60.00	0.12	1.000	0.99999
3981	1	1.05	1	63	1,488	0.001	63.00	0.04	1.000	0.99999
3982	5	2.08	257	4,361	1,749	0.147	16.97	2.49	1.008	0.99994
3991	1	0.75	1	45	719	0.001	45.00	0.06	1.000	0.99999
4091	1	3.52	1	211	1,140	0.001	211.00	0.19	1.000	0.99999
4092	1	0.90	1	54	422	0.002	54.00	0.13	1.000	0.99999
4101	3	2.89	108	6,321	578	0.187	58.53	10.94	1.000	0.99975

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4102	1	0.47	577	16,713	896	0.644	28.97	18.65	1.000	0.99957
4133	12	10.90	45	4,438	629	0.072	98.62	7.06	1.324	0.99984
4134	1	0.18	1	11	830	0.001	11.00	0.01	1.000	0.99999
4151	3	2.84	40	1,311	1,234	0.032	32.78	1.06	1.081	0.99998
4152	1	0.92	1	55	784	0.001	55.00	0.07	1.000	0.99999
4154	1	0.45	1	27	1,139	0.001	27.00	0.02	1.000	0.99999
4155	1	1.25	2	150	2,055	0.001	75.00	0.07	1.000	0.99999
4171	2	1.87	28	1,754	675	0.041	62.64	2.60	1.037	0.99994
4172	2	1.90	8	525	1,676	0.005	65.63	0.31	1.143	0.99999
4182	2	1.62	45	2,298	1,003	0.045	51.07	2.29	1.000	0.99995
4211	1	1.07	9	581	674	0.013	64.56	0.86	1.000	0.99998
4212	7	5.25	84	4,027	802	0.105	47.94	5.02	1.024	0.99988
4221	4	3.62	72	6,124	495	0.145	85.06	12.37	1.014	0.99971
4223	1	1.53	1	92	545	0.002	92.00	0.17	1.000	0.99999
4301	2	4.04	40	4,965	68	0.588	124.13	73.01	1.000	0.99831
4303	1	0.73	33	1,480	855	0.039	44.85	1.73	1.000	0.99996
4311	5	2.37	5	142	1,154	0.004	28.40	0.12	1.000	0.99999
4324	3	40.61	72	6,956	1,196	0.060	96.61	5.82	1.014	0.99987
4341	2	1.71	57	2,542	1,744	0.033	44.60	1.46	1.000	0.99997
4342	5	5.85	97	6,129	1,721	0.056	63.19	3.56	1.000	0.99992
4343	4	5.98	1,062	182,655	1,018	1.043	171.99	179.43	1.043	0.99585
4361	3	1.32	9	340	1,635	0.006	37.78	0.21	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4362	1	1.35	36	2,931	818	0.044	81.42	3.58	1.000	0.99992
4363	2	38.96	32	3,866	1,578	0.020	120.81	2.45	1.032	0.99994
4371	6	10.51	139	30,581	1,527	0.091	220.01	20.03	1.738	0.99954
4372	1	1.12	5	339	427	0.012	67.80	0.79	1.000	0.99998
4385	8	7.61	159	10,415	1,108	0.144	65.50	9.40	1.046	0.99978
4386	2	5.75	2	345	1,647	0.001	172.50	0.21	1.000	0.99999
4431	7	8.85	86	4,509	1,354	0.064	52.43	3.33	1.000	0.99992
4432	1	17.37	1	1,042	450	0.002	1042.00	2.32	1.000	0.99995
4475	1	0.90	1	54	15	0.067	54.00	3.60	1.000	0.99992
4476	1	4.68	1	281	27	0.037	281.00	10.41	1.000	0.99976
4511	1	4.72	20	5,668	1,119	0.018	283.40	5.07	1.000	0.99988
453	1	1.02	1	61	129	0.008	61.00	0.47	1.000	0.99999
4601	1	1.05	28	1,771	407	0.069	63.25	4.35	1.000	0.99990
4602	1	0.43	17	447	934	0.018	26.29	0.48	1.000	0.99999
5601	12	10.92	72	4,907	1,149	0.063	68.15	4.27	1.000	0.99990
5602	1	1.68	1	101	674	0.001	101.00	0.15	1.000	0.99999
5603	3	2.43	50	2,120	1,253	0.040	42.40	1.69	1.020	0.99996
5902	2	2.78	2	167	1,010	0.002	83.50	0.17	1.000	0.99999
5904	2	1.42	88	3,786	1,102	0.080	43.02	3.44	2.000	0.99992
5905	1	2.00	40	4,758	1,823	0.022	118.95	2.61	1.000	0.99994
6022	2	0.88	102	2,751	374	0.273	26.97	7.36	2.000	0.99983
6023	2	2.86	72	8,086	462	0.156	112.31	17.50	1.043	0.99959

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6141	4	6.69	4	401	623	0.006	100.25	0.64	1.000	0.99999
6142	1	2.78	1	167	301	0.003	167.00	0.55	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	328	515.06	18,228	1,639,484	160,314	0.114	89.94	10.23	1.044	0.99976

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2013 to 10/31/2013
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	3.22	1,568	136,052	1,492	1.051	86.77	91.19	1.047	0.99796
1082	1	1.47	1	88	1,297	0.001	88.00	0.07	1.000	0.99999
1091	1	1.92	7	807	706	0.010	115.29	1.14	1.000	0.99997
1092	1	1.58	1	95	936	0.001	95.00	0.10	1.000	0.99999
1093	1	1.05	38	2,391	228	0.167	62.92	10.49	1.000	0.99977
1094	1	0.73	11	485	1,218	0.009	44.09	0.40	1.000	0.99999
1101	1	4.02	103	24,889	970	0.106	241.64	25.66	1.000	0.99943
1141	5	2.72	42	1,125	900	0.047	26.79	1.25	1.077	0.99997
1142	1	0.37	1	22	215	0.005	22.00	0.10	1.000	0.99999
1211	7	5.44	12	626	1,473	0.008	52.17	0.42	1.000	0.99999
1212	4	7.33	522	82,700	324	1.611	158.43	255.25	1.606	0.99428
1213	2	2.88	2	173	541	0.004	86.50	0.32	1.000	0.99999
1230	1	1.27	104	7,912	1,181	0.088	76.08	6.70	1.000	0.99985
1233	3	4.07	640	65,918	638	1.003	103.00	103.32	1.003	0.99769
1241	1	1.07	1	64	836	0.001	64.00	0.08	1.000	0.99999
1243	1	1.38	25	2,097	1,191	0.021	83.88	1.76	1.000	0.99996
1265	2	2.95	11	1,242	1,274	0.009	112.91	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	1	0.70	4	170	934	0.004	42.50	0.18	1.000	0.99999
1285	1	1.15	180	12,406	1,081	0.167	68.92	11.48	1.000	0.99974
1451	1	0.83	1	50	510	0.002	50.00	0.10	1.000	0.99999
1452	1	0.62	1	37	451	0.002	37.00	0.08	1.000	0.99999
1453	5	3.66	197	5,775	1,790	0.110	29.31	3.23	1.010	0.99993
1454	1	0.83	1	50	917	0.001	50.00	0.05	1.000	0.99999
1521	1	2.55	69	10,565	354	0.195	153.12	29.84	1.000	0.99933
1523	2	0.95	2	57	710	0.003	28.50	0.08	1.000	0.99999
1843	1	0.95	70	4,027	1,078	0.065	57.53	3.74	1.000	0.99992
2051	1	2.30	21	2,898	160	0.131	138.00	18.11	1.000	0.99959
2091	1	0.62	1	37	872	0.001	37.00	0.04	1.000	0.99999
2211	2	2.35	47	2,693	720	0.065	57.30	3.74	1.022	0.99992
2212	2	6.05	100	18,213	1,266	0.079	182.13	14.39	1.020	0.99968
2511	3	3.39	3	203	612	0.005	67.67	0.33	1.000	0.99999
2921	1	2.88	1	173	407	0.002	173.00	0.43	1.000	0.99999
2951	2	4.72	4	459	1,372	0.003	114.75	0.33	1.000	0.99999
2962	1	3.72	1	223	252	0.004	223.00	0.88	1.000	0.99998
3121	1	1.13	1	68	1,119	0.001	68.00	0.06	1.000	0.99999
3122	3	6.76	1,191	164,211	843	1.413	137.88	194.79	1.023	0.99564
3123	1	0.93	1	56	1,028	0.001	56.00	0.05	1.000	0.99999
3221	24	14.12	63	1,932	1,228	0.051	30.67	1.57	1.000	0.99996
3222	1	1.27	14	1,064	760	0.018	76.00	1.40	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3315	1	0.48	71	2,114	1,565	0.045	29.77	1.35	1.000	0.99997
3422	2	1.05	44	1,379	964	0.046	31.34	1.43	1.000	0.99997
3471	2	2.99	40	2,048	164	0.244	51.20	12.49	1.026	0.99972
3472	5	8.46	78	11,366	1,558	0.050	145.72	7.30	1.000	0.99984
3591	2	1.33	44	1,863	1,130	0.039	42.34	1.65	1.000	0.99996
3592	5	6.36	93	4,043	1,710	0.054	43.47	2.36	1.057	0.99995
3594	1	0.58	26	918	640	0.041	35.31	1.43	1.000	0.99997
3621	2	4.57	2	274	1,539	0.001	137.00	0.18	2.000	0.99999
3661	4	5.78	303	26,224	1,010	0.300	86.55	25.96	1.423	0.99942
3663	5	3.57	8	423	771	0.010	52.88	0.55	1.143	0.99999
3664	13	9.18	303	13,381	500	0.606	44.16	26.76	1.017	0.99940
3671	3	1.55	6	193	884	0.007	32.17	0.22	1.000	0.99999
3691	2	1.62	41	2,027	1,144	0.036	49.44	1.77	1.000	0.99996
3694	2	1.20	90	3,259	1,245	0.072	36.21	2.62	2.000	0.99994
3701	7	5.92	515	44,700	477	1.080	86.80	93.71	1.080	0.99790
3751	2	0.98	21	515	867	0.024	24.52	0.59	1.050	0.99999
3871	2	1.63	2	98	1,380	0.001	49.00	0.07	1.000	0.99999
3872	3	2.17	27	1,056	1,066	0.025	39.11	0.99	1.000	0.99998
3873	1	0.70	1	42	790	0.001	42.00	0.05	1.000	0.99999
3878	1	0.22	27	362	776	0.035	13.41	0.47	1.000	0.99999
3892	1	3.30	6	1,192	467	0.013	198.67	2.55	1.000	0.99994
3893	3	3.07	11	790	1,090	0.010	71.82	0.72	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3901	1	0.17	1	10	869	0.001	10.00	0.01	1.000	0.99999
3913	2	5.93	2	356	949	0.002	178.00	0.38	1.000	0.99999
3914	1	0.98	1	59	660	0.002	59.00	0.09	1.000	0.99999
3952	2	2.39	31	2,138	1,234	0.025	68.97	1.73	1.000	0.99996
3971	2	5.85	99	23,895	654	0.151	241.36	36.54	1.000	0.99918
3981	9	32.14	239	71,206	1,490	0.160	297.93	47.79	1.077	0.99893
3982	2	1.92	35	1,318	1,751	0.020	37.66	0.75	1.000	0.99998
3991	1	1.50	5	454	718	0.007	90.80	0.63	1.000	0.99999
4031	1	4.28	65	16,714	688	0.094	257.14	24.29	1.000	0.99946
4092	3	6.03	3	362	422	0.007	120.67	0.86	1.000	0.99998
4102	1	3.08	6	1,112	898	0.007	185.33	1.24	1.000	0.99997
4133	2	4.55	4	421	630	0.006	105.25	0.67	1.000	0.99999
4137	1	3.07	19	3,497	788	0.024	184.05	4.44	1.000	0.99990
4141	2	2.85	2	171	82	0.024	85.50	2.09	1.000	0.99995
4151	1	1.27	2	152	1,234	0.002	76.00	0.12	1.000	0.99999
4153	3	3.51	125	15,240	1,286	0.097	121.92	11.85	1.016	0.99973
4171	2	1.03	28	840	675	0.041	30.00	1.24	1.000	0.99997
4172	1	1.33	35	2,800	1,678	0.021	80.00	1.67	1.000	0.99996
4182	3	5.55	30	4,961	1,004	0.030	165.37	4.94	1.034	0.99989
4211	1	1.42	674	57,435	674	1.000	85.22	85.22	1.000	0.99809
4212	9	17.09	141	20,563	802	0.176	145.84	25.64	1.000	0.99943
4221	2	1.95	2	117	487	0.004	58.50	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4223	2	3.06	20	716	552	0.036	35.80	1.30	1.000	0.99997
4302	1	0.77	1	46	644	0.002	46.00	0.07	1.000	0.99999
4304	1	0.80	1	48	196	0.005	48.00	0.24	1.000	0.99999
4311	4	2.45	4	147	1,154	0.003	36.75	0.13	1.000	0.99999
433	1	0.23	1	14	78	0.013	14.00	0.18	1.000	0.99999
4342	9	6.42	230	11,281	1,723	0.133	49.05	6.55	1.018	0.99985
4361	2	1.82	2	109	1,635	0.001	54.50	0.07	1.000	0.99999
4363	8	10.85	184	13,779	1,582	0.116	74.89	8.71	1.022	0.99980
4371	4	4.97	29	1,359	1,527	0.019	46.86	0.89	1.074	0.99998
4372	1	1.25	1	75	427	0.002	75.00	0.18	1.000	0.99999
4373	1	1.02	9	554	748	0.012	61.56	0.74	1.000	0.99998
4385	2	4.60	74	10,374	1,108	0.067	140.19	9.36	1.014	0.99979
4431	13	19.09	91	11,876	1,354	0.067	130.51	8.77	1.046	0.99980
4432	5	3.13	29	1,578	450	0.064	54.41	3.51	1.036	0.99992
4511	3	3.19	18	1,300	1,120	0.016	72.22	1.16	1.059	0.99997
453	1	0.80	1	48	129	0.008	48.00	0.37	1.000	0.99999
4602	2	1.49	18	832	936	0.019	46.22	0.89	1.000	0.99998
5601	3	1.85	162	6,469	1,150	0.141	39.93	5.63	1.000	0.99987
5904	2	3.73	73	6,567	1,106	0.066	89.96	5.94	1.000	0.99987
5905	3	4.35	146	12,633	1,828	0.080	86.53	6.91	1.007	0.99985
6021	2	1.08	77	2,469	486	0.158	32.06	5.08	1.000	0.99989
6022	1	0.67	1	40	374	0.003	40.00	0.11	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6024	1	0.48	9	263	388	0.023	29.22	0.68	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	286	358.65	9,551	976,718	160,434	0.060	102.26	6.09	1.057	0.99986

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2013 to 11/30/2013
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	2.67	4	642	1,493	0.003	160.50	0.43	1.000	0.99999
1051	2	1.10	298	10,143	1,065	0.280	34.04	9.52	1.000	0.99978
1082	1	2.90	1	174	1,298	0.001	174.00	0.13	1.000	0.99999
1092	5	4.88	5	293	937	0.005	58.60	0.31	1.000	0.99999
1093	1	0.87	1	52	229	0.004	52.00	0.23	1.000	0.99999
1094	1	1.20	1	72	1,219	0.001	72.00	0.06	1.000	0.99999
1101	2	2.51	22	865	971	0.023	39.32	0.89	1.048	0.99998
1141	4	2.03	23	204	900	0.026	8.87	0.23	1.045	0.99999
1211	2	1.82	66	3,606	1,473	0.045	54.64	2.45	1.535	0.99994
1212	3	2.23	30	566	323	0.093	18.87	1.75	1.071	0.99996
1230	2	2.92	27	1,571	1,181	0.023	58.19	1.33	1.000	0.99997
1232	5	2.80	77	2,745	1,175	0.066	35.65	2.34	1.000	0.99995
1233	1	0.53	105	3,419	638	0.165	32.56	5.36	1.000	0.99988
1241	2	2.07	2	124	836	0.002	62.00	0.15	1.000	0.99999
1243	7	5.18	13	731	1,191	0.011	56.23	0.61	1.000	0.99999
1263	1	1.10	1	66	1,115	0.001	66.00	0.06	1.000	0.99999
1265	2	1.70	2	102	1,275	0.002	51.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1271	12	15.12	504	31,517	936	0.538	62.53	33.67	1.033	0.99922
1273	1	2.30	1	138	863	0.001	138.00	0.16	1.000	0.99999
1285	2	5.77	233	47,349	1,081	0.216	203.21	43.80	1.000	0.99899
1311	2	7.49	534	120,038	267	2.000	224.79	449.58	2.000	0.98959
1312	1	2.15	916	118,362	916	1.000	129.22	129.22	1.000	0.99701
1453	1	0.43	1	26	1,788	0.001	26.00	0.01	1.000	0.99999
1523	1	0.83	1	50	710	0.001	50.00	0.07	1.000	0.99999
1843	1	2.58	101	15,599	1,078	0.094	154.45	14.47	1.000	0.99967
2171	1	1.03	1	62	555	0.002	62.00	0.11	1.000	0.99999
2172	1	3.27	1	196	218	0.005	196.00	0.90	1.000	0.99998
2211	1	0.95	4	229	720	0.006	57.25	0.32	1.000	0.99999
2621	6	9.49	6	570	1,144	0.005	95.00	0.50	1.000	0.99999
2951	1	0.65	84	3,285	1,373	0.061	39.11	2.39	1.000	0.99994
2961	1	1.53	1	92	645	0.002	92.00	0.14	1.000	0.99999
3081	1	0.88	1	53	566	0.002	53.00	0.09	1.000	0.99999
3082	1	0.42	1	25	321	0.003	25.00	0.08	1.000	0.99999
3181	1	3.52	140	29,600	716	0.196	211.43	41.34	1.000	0.99904
3221	4	7.05	9	658	1,228	0.007	73.11	0.54	1.125	0.99999
3222	2	2.98	2	179	760	0.003	89.50	0.24	1.000	0.99999
3231	1	1.20	1	72	411	0.002	72.00	0.18	1.000	0.99999
3303	4	4.27	1,155	78,483	977	1.182	67.95	80.33	1.028	0.99814
3313	1	0.72	1	43	1,233	0.001	43.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3422	1	0.83	23	1,161	965	0.024	50.48	1.20	1.000	0.99997
3471	3	4.01	179	21,886	164	1.091	122.27	133.45	1.091	0.99691
3472	6	9.07	1,581	203,467	1,560	1.013	128.70	130.43	1.011	0.99698
3592	3	2.63	101	6,660	1,711	0.059	65.94	3.89	1.110	0.99991
3593	3	3.38	44	2,990	933	0.047	67.95	3.20	1.023	0.99993
3621	3	3.65	35	2,631	1,539	0.023	75.17	1.71	1.029	0.99996
3661	1	3.90	1,010	236,727	1,010	1.000	234.38	234.38	1.000	0.99457
3662	21	55.43	202	38,432	757	0.267	190.26	50.77	1.000	0.99882
3663	11	46.59	290	92,011	774	0.375	317.28	118.88	1.018	0.99725
3664	9	26.44	246	24,034	501	0.491	97.70	47.97	1.029	0.99889
3671	1	0.70	7	295	884	0.008	42.14	0.33	1.000	0.99999
3694	2	4.70	8	678	1,246	0.006	84.75	0.54	1.000	0.99999
3701	1	0.63	1	38	477	0.002	38.00	0.08	1.000	0.99999
3751	3	2.77	65	3,380	868	0.075	52.00	3.89	1.016	0.99991
3872	1	0.75	41	1,846	1,066	0.038	45.02	1.73	1.000	0.99996
3878	1	3.52	5	1,058	776	0.006	211.60	1.36	1.000	0.99997
3891	3	8.90	3	534	433	0.007	178.00	1.23	1.000	0.99997
3893	6	7.42	66	7,525	1,091	0.060	114.02	6.90	1.000	0.99984
3901	8	10.78	93	7,849	870	0.107	84.40	9.02	1.000	0.99979
3913	1	0.95	75	4,307	949	0.079	57.43	4.54	1.000	0.99989
3914	2	1.70	59	2,859	661	0.089	48.46	4.33	1.017	0.99990
3951	6	6.08	143	11,481	904	0.158	80.29	12.70	1.036	0.99971

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3952	4	8.42	24	1,689	1,236	0.019	70.38	1.37	1.043	0.99997
3971	1	1.82	1	109	654	0.002	109.00	0.17	1.000	0.99999
3981	1	1.45	1	87	1,491	0.001	87.00	0.06	1.000	0.99999
3982	1	0.78	49	2,319	1,753	0.028	47.33	1.32	1.000	0.99997
3991	3	5.23	21	1,629	718	0.029	77.57	2.27	1.000	0.99995
4031	2	3.12	18	976	689	0.026	54.22	1.42	1.059	0.99997
4091	2	2.54	80	3,783	1,140	0.070	47.29	3.32	1.013	0.99992
4092	2	1.22	2	73	421	0.005	36.50	0.17	1.000	0.99999
4101	2	2.02	54	3,373	578	0.093	62.46	5.84	1.000	0.99986
4133	1	1.02	29	1,783	630	0.046	61.48	2.83	1.000	0.99993
4137	1	0.35	20	437	789	0.025	21.85	0.55	1.000	0.99999
4138	1	1.32	6	476	746	0.008	79.33	0.64	1.000	0.99999
4142	1	2.22	1	133	588	0.002	133.00	0.23	1.000	0.99999
4151	3	6.27	245	53,114	1,235	0.198	216.79	43.01	1.433	0.99900
4152	3	1.48	9	193	788	0.011	21.44	0.24	1.000	0.99999
4155	1	0.83	24	1,215	2,061	0.012	50.63	0.59	1.000	0.99999
4171	2	5.18	668	183,366	675	0.990	274.50	271.65	1.001	0.99371
4172	15	19.68	2,320	531,676	1,680	1.381	229.17	316.47	1.382	0.99267
4173	1	4.43	618	164,727	618	1.000	266.55	266.55	1.000	0.99383
4182	1	2.08	1	125	1,004	0.001	125.00	0.12	1.000	0.99999
4211	1	0.50	1	30	673	0.001	30.00	0.04	1.000	0.99999
4212	2	4.40	19	1,170	802	0.024	61.58	1.46	1.056	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4222	4	92.77	4	5,566	998	0.004	1391.50	5.58	1.000	0.99987
4224	2	1.23	46	1,950	755	0.061	42.39	2.58	1.000	0.99994
4302	2	2.62	2	157	645	0.003	78.50	0.24	1.000	0.99999
4312	2	1.56	36	2,316	832	0.043	64.33	2.78	1.000	0.99994
4324	2	2.20	2	132	1,200	0.002	66.00	0.11	1.000	0.99999
4342	6	6.88	198	13,241	1,725	0.115	66.87	7.68	1.015	0.99982
4343	2	1.49	60	2,091	1,018	0.059	34.85	2.05	1.000	0.99995
4362	1	0.48	39	1,118	818	0.048	28.67	1.37	1.000	0.99997
4363	6	6.48	160	7,353	1,585	0.101	45.96	4.64	1.032	0.99989
4371	3	4.28	75	10,318	1,527	0.049	137.57	6.76	1.027	0.99984
4373	1	2.00	9	1,082	748	0.012	120.22	1.45	1.000	0.99997
4431	4	5.35	47	3,800	1,353	0.035	80.85	2.81	1.044	0.99993
4432	2	5.08	2	305	450	0.004	152.50	0.68	1.000	0.99998
5601	6	4.17	248	11,481	1,152	0.215	46.29	9.97	1.000	0.99977
5602	3	2.95	21	957	675	0.031	45.57	1.42	1.050	0.99997
5603	6	3.46	6	208	1,257	0.005	34.67	0.17	1.000	0.99999
5902	3	4.25	5	553	1,002	0.005	110.60	0.55	1.667	0.99999
5904	4	4.23	158	10,100	1,109	0.142	63.92	9.11	1.000	0.99979
5905	2	1.35	2	81	1,833	0.001	40.50	0.04	1.000	0.99999
6021	1	0.88	19	1,014	486	0.039	53.37	2.09	1.000	0.99995
6022	1	1.28	16	1,241	374	0.043	77.56	3.32	1.000	0.99992
6023	1	1.15	1	69	463	0.002	69.00	0.15	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
6144	1	1.08	1	65	315	0.003	65.00	0.21	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	301	551.55	14,021	2,171,531	160,552	0.087	154.88	13.53	1.082	0.99969

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2013 to 12/31/2013
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	6	62.50	243	25,117	1,493	0.163	103.36	16.82	1.047	0.99962
1051	5	35.08	269	28,551	1,065	0.253	106.14	26.81	1.011	0.99940
1052	1	1.27	289	22,036	289	1.000	76.25	76.25	1.000	0.99829
1081	1	1.38	1	83	18	0.056	83.00	4.61	1.000	0.99990
1082	11	107.60	137	77,849	1,298	0.106	568.24	59.98	1.030	0.99866
1091	16	159.72	1,030	182,321	706	1.459	177.01	258.25	1.459	0.99421
1092	12	244.81	227	40,476	937	0.242	178.31	43.20	1.076	0.99903
1093	2	0.85	103	2,464	229	0.450	23.92	10.76	1.000	0.99976
1094	1	0.33	1	20	1,219	0.001	20.00	0.02	1.000	0.99999
1102	1	2.08	11	1,383	457	0.024	125.73	3.03	1.000	0.99993
1141	1	1.32	1	79	900	0.001	79.00	0.09	1.000	0.99999
1211	1	1.17	1	70	1,473	0.001	70.00	0.05	1.000	0.99999
1212	5	6.98	32	2,815	323	0.099	87.97	8.72	1.143	0.99980
1213	3	4.66	120	8,208	541	0.222	68.40	15.17	1.043	0.99966
1230	3	21.77	64	5,301	1,181	0.054	82.83	4.49	1.000	0.99990
1232	2	11.33	298	70,536	1,175	0.254	236.70	60.03	1.003	0.99866
1233	4	27.09	8	2,275	638	0.013	284.38	3.57	1.000	0.99992

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
1241	1	1.32	7	556	836	0.008	79.43	0.67	1.000	0.99999
1243	3	4.39	3	263	1,191	0.003	87.67	0.22	1.000	0.99999
1263	6	39.97	350	41,688	1,115	0.314	119.11	37.39	1.014	0.99916
1265	5	39.18	61	5,551	1,275	0.048	91.00	4.35	1.052	0.99990
1271	2	5.98	9	2,584	936	0.010	287.11	2.76	1.125	0.99994
1273	1	0.82	1	49	863	0.001	49.00	0.06	1.000	0.99999
1282	5	28.26	290	28,177	923	0.314	97.16	30.53	1.010	0.99932
1284	7	43.66	67	11,983	857	0.078	178.85	13.98	1.914	0.99969
1285	1	3.65	244	53,671	1,081	0.226	219.96	49.65	1.000	0.99889
1311	1	1.83	6	661	267	0.022	110.17	2.48	1.000	0.99994
1312	5	10.24	11	1,723	916	0.012	156.64	1.88	1.100	0.99996
1451	5	15.65	577	79,445	511	1.129	137.69	155.47	1.161	0.99652
1452	8	10.26	11	913	451	0.024	83.00	2.02	1.000	0.99995
1453	10	124.93	24	9,896	1,788	0.013	412.33	5.53	1.043	0.99988
1454	1	1.78	1	107	924	0.001	107.00	0.12	1.000	0.99999
1455	8	4.93	63	2,628	363	0.174	41.71	7.24	1.050	0.99984
1521	8	3.81	104	1,370	354	0.294	13.17	3.87	1.000	0.99991
1522	1	3.10	26	4,797	100	0.260	184.50	47.97	1.000	0.99893
1523	7	9.84	7	591	710	0.010	84.43	0.83	1.000	0.99998
1841	15	27.73	237	21,249	628	0.377	89.66	33.84	1.097	0.99924
1842	1	3.97	1	238	276	0.004	238.00	0.86	1.000	0.99998
1843	5	10.86	15	1,193	1,078	0.014	79.53	1.11	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
2052	1	2.12	1	127	84	0.012	127.00	1.51	1.000	0.99997
2091	1	0.50	1	30	872	0.001	30.00	0.03	1.000	0.99999
2172	2	4.74	2	284	218	0.009	142.00	1.30	1.000	0.99997
2211	2	6.25	2	375	720	0.003	187.50	0.52	1.000	0.99999
2212	1	1.88	1	113	1,268	0.001	113.00	0.09	1.000	0.99999
2511	2	6.09	614	54,221	613	1.002	88.31	88.45	1.002	0.99802
2621	1	2.30	3	414	1,144	0.003	138.00	0.36	1.000	0.99999
2622	1	1.48	1	89	113	0.009	89.00	0.79	1.000	0.99998
2921	5	30.33	12	4,136	408	0.029	344.67	10.14	1.000	0.99977
2951	1	1.95	1	117	1,373	0.001	117.00	0.09	1.000	0.99999
2961	1	4.15	25	6,237	645	0.039	249.48	9.67	1.000	0.99978
3041	1	2.18	80	10,480	80	1.000	131.00	131.00	1.000	0.99707
3081	1	2.67	1	160	566	0.002	160.00	0.28	1.000	0.99999
3082	2	2.55	2	153	321	0.006	76.50	0.48	1.000	0.99999
3121	2	3.77	149	13,547	1,119	0.133	90.92	12.11	1.007	0.99973
3123	1	0.43	1	26	1,029	0.001	26.00	0.03	1.000	0.99999
3181	1	2.87	1	172	716	0.001	172.00	0.24	1.000	0.99999
3221	2	4.75	109	23,960	1,228	0.089	219.82	19.51	1.000	0.99956
3222	3	3.19	642	46,838	760	0.845	72.96	61.63	1.003	0.99862
3231	1	1.35	411	33,434	411	1.000	81.35	81.35	1.000	0.99818
3232	2	2.53	423	23,812	422	1.002	56.29	56.43	1.002	0.99874
3422	1	2.60	1	156	965	0.001	156.00	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	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3423	1	0.85	24	1,230	384	0.063	51.25	3.20	1.000	0.99993
3472	10	6.06	239	12,953	1,560	0.153	54.20	8.30	1.048	0.99981
3551	2	3.16	2	190	1,013	0.002	95.00	0.19	1.000	0.99999
3552	11	2.10	147	1,948	570	0.258	13.25	3.42	1.043	0.99992
3553	3	6.62	19	3,594	1,024	0.019	189.16	3.51	1.056	0.99992
3591	1	2.67	6	964	1,131	0.005	160.67	0.85	1.000	0.99998
3592	1	0.07	65	300	1,711	0.038	4.62	0.18	1.000	0.99999
3621	12	26.58	1,647	118,765	1,539	1.070	72.11	77.17	1.115	0.99827
3661	2	6.42	92	24,768	1,010	0.091	269.22	24.52	1.011	0.99945
3663	2	5.45	68	18,893	774	0.088	277.84	24.41	1.046	0.99945
3664	1	0.80	15	727	501	0.030	48.47	1.45	1.000	0.99997
3675	1	0.93	6	341	412	0.015	56.83	0.83	1.000	0.99998
3691	3	5.94	1,236	311,902	1,145	1.079	252.35	272.40	1.079	0.99390
3694	2	2.95	50	3,318	1,246	0.040	66.36	2.66	1.000	0.99994
3701	1	2.08	1	125	477	0.002	125.00	0.26	1.000	0.99999
3702	1	0.95	19	1,084	600	0.032	57.05	1.81	1.000	0.99996
3751	3	5.53	10	591	868	0.012	59.10	0.68	1.000	0.99998
3871	1	0.63	1	38	1,380	0.001	38.00	0.03	1.000	0.99999
3878	2	2.99	10	984	776	0.013	98.40	1.27	1.000	0.99997
3891	6	65.86	123	96,153	433	0.284	781.73	222.06	1.118	0.99503
3893	3	8.47	3	508	1,091	0.003	169.33	0.47	1.500	0.99999
3894	1	0.40	3	74	115	0.026	24.67	0.64	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
3901	1	3.22	1	193	870	0.001	193.00	0.22	1.000	0.99999
3912	1	0.50	910	27,800	919	0.990	30.55	30.25	1.000	0.99932
3913	10	22.03	1,251	67,398	949	1.318	53.88	71.02	1.332	0.99841
3914	5	6.40	1,305	48,214	661	1.974	36.95	72.94	2.005	0.99837
3951	8	78.85	372	46,719	904	0.412	125.59	51.68	1.039	0.99884
3952	12	77.91	2,522	755,679	1,236	2.040	299.63	611.39	2.039	0.98630
3953	8	76.82	629	131,146	512	1.229	208.50	256.14	1.233	0.99426
3981	3	10.90	3	654	1,491	0.002	218.00	0.44	1.000	0.99999
3982	7	9.48	45	1,666	1,753	0.026	37.02	0.95	1.047	0.99998
403	5	55.95	5	3,357	263	0.019	671.40	12.76	1.250	0.99971
405	1	0.53	150	4,802	43	3.488	32.01	111.67	1.000	0.99750
407	2	14.37	2	862	102	0.020	431.00	8.45	1.000	0.99981
4138	3	3.93	84	6,570	746	0.113	78.21	8.81	1.000	0.99980
4141	1	2.03	1	122	82	0.012	122.00	1.49	1.000	0.99997
4142	2	3.43	59	6,123	588	0.100	103.78	10.41	1.000	0.99977
4151	1	0.95	1	57	1,235	0.001	57.00	0.05	1.000	0.99999
4171	11	72.85	772	141,950	675	1.144	183.87	210.30	1.369	0.99529
4172	8	24.16	3,498	863,734	1,680	2.082	246.92	514.13	2.075	0.98848
4173	2	2.60	687	47,816	618	1.112	69.60	77.37	1.112	0.99827
4211	2	2.97	12	938	673	0.018	78.17	1.39	1.000	0.99997
4212	9	38.37	99	24,368	802	0.123	246.14	30.38	1.125	0.99932
4221	5	9.73	507	23,715	479	1.058	46.78	49.51	1.065	0.99889

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
4222	4	10.92	2,995	377,055	998	3.001	125.89	377.81	3.001	0.99154
4223	2	12.84	559	18,492	558	1.002	33.08	33.14	1.002	0.99926
4224	3	6.72	804	31,752	755	1.065	39.49	42.06	1.061	0.99906
4302	8	43.15	794	76,490	645	1.231	96.34	118.59	1.990	0.99734
4324	6	86.15	6	5,169	1,200	0.005	861.50	4.31	1.200	0.99990
4341	2	1.85	42	2,154	1,745	0.024	51.29	1.23	1.000	0.99997
4342	1	0.92	33	1,841	1,725	0.019	55.79	1.07	1.000	0.99998
4361	1	9.05	1	543	1,635	0.001	543.00	0.33	1.000	0.99999
4362	5	68.27	11	4,954	818	0.013	450.36	6.06	1.000	0.99986
4363	6	97.56	221	52,288	1,585	0.139	236.60	32.99	1.028	0.99926
4371	4	3.18	84	3,724	1,527	0.055	44.33	2.44	1.037	0.99995
4372	1	2.62	1	157	427	0.002	157.00	0.37	1.000	0.99999
4373	1	1.42	1	85	748	0.001	85.00	0.11	1.000	0.99999
4431	4	10.67	30	2,801	1,353	0.022	93.37	2.07	1.000	0.99995
4511	1	0.73	80	3,541	1,120	0.071	44.26	3.16	1.000	0.99993
4513	1	0.87	1	52	623	0.002	52.00	0.08	1.000	0.99999
455	1	0.45	113	3,135	113	1.000	27.74	27.74	1.000	0.99938
4601	6	2.23	33	316	409	0.081	9.58	0.77	1.000	0.99998
4602	12	9.36	400	3,153	938	0.426	7.88	3.36	1.042	0.99992
5601	4	13.32	208	62,795	1,152	0.181	301.90	54.51	1.005	0.99878
5602	2	2.62	675	87,703	675	1.000	129.93	129.93	1.001	0.99709
5603	9	25.58	100	17,945	1,257	0.080	179.45	14.28	1.408	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	HIGHLY CONFIDENTIAL			ASAI
							CAIDI	SAIDI	CAIFI	
5901	1	1.13	87	5,923	580	0.150	68.08	10.21	1.000	0.99977
5902	3	4.00	3	240	1,002	0.003	80.00	0.24	1.000	0.99999
5905	12	93.93	25	8,199	1,833	0.014	327.96	4.47	1.000	0.99990
6021	1	0.42	1	25	486	0.002	25.00	0.05	1.000	0.99999
6022	1	1.65	1	99	374	0.003	99.00	0.26	1.000	0.99999
6024	1	0.35	34	717	388	0.088	21.09	1.85	1.000	0.99996
6141	2	2.42	21	1,253	624	0.034	59.67	2.01	1.000	0.99996
6142	1	3.58	13	2,795	301	0.043	215.00	9.29	1.000	0.99979
6143	1	0.62	1	37	369	0.003	37.00	0.10	1.000	0.99999
6144	2	3.13	2	188	315	0.006	94.00	0.60	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	502	2,373.98	31,514	4,536,752	160,552	0.196	143.96	28.26	1.330	0.99937