



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 2012 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.



2012 Multi-Year Worst Performing Circuits

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

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

The multi-year worst performing circuits are indicated in the chart below and are ranked according to their 2012 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

Multi-Year Worst Performing Circuits SAIFI 2010 - 2012				
Location	Circuit Number	2012	2011	2010
Joplin - Northeast	1282	4.335	4.596	0.453
Joplin - 2nd & Division	1230	3.536	5.810	2.335
Neosho - East	3981	3.280	4.489	2.972
Joplin - Southwest	3893	2.970	4.211	3.740



**Circuit: 1282**

**Area Served: Joplin, Missouri**

**2012 SAIFI: 4.335**

**2011 SAIFI: 4.596**

This circuit received an infrared inspection in 2011. A comprehensive intrusive inspection is scheduled in 2013 and 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 2009 and is scheduled again for 2013.

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

**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 2011 and is scheduled again for 2013.

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

**Circuit: 3981**

**Area Served: Neosho, Missouri**

**2012 SAIFI: 3.280**

**2011 SAIFI: 4.489**

**2009 SAIFI: 5.346**

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 is scheduled for 2013.

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



**Circuit: 3893**

**Area Served: Joplin, Missouri**

**2011 SAIFI: 4.211**

**2010 SAIFI: 3.740**

This circuit received a comprehensive intrusive inspection in 2012 and is scheduled to receive a visual inspection in 2013. 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 was completed in 2012.



2012 Worst Performing Circuits

The table below lists the 2012 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 2012 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
Albatross	2621	41	117.44	539,250	6526	1126	211	5.795	478.87	82.63
Joplin - Fir Road	4172	111	148.77	585,104	8324	1653	215	5.034	353.88	70.29
Neosho - West	5603	72	104.88	446,210	6176	1234	216	5.003	361.45	72.25
Reeds Spring - 161 KV	2951	57	142.39	702,139	6629	1359	209	4.879	516.79	105.92
Joplin - Southeast	3914	37	50.61	241,627	2902	642	214	4.519	376.27	83.26
Joplin - Northeast	1282	35	55.67	447,930	3936	908	214	4.335	493.36	113.80
Joplin - Atlas Junction	1091	63	116.00	511,819	6621	1631	215	4.059	313.79	77.30
Ash Grove - H.T.	1211	38	47.73	427,870	5359	1463	217	3.663	292.48	79.84
Joplin - 2nd & Division	1230	30	59.06	365,170	3888	1100	214	3.536	332.11	93.92
Hermitage - East	2091	28	27.42	163,511	2983	864	213	3.451	189.17	54.81
Joplin - 24th Street	4221	19	49.20	209,957	1643	477	214	3.443	439.99	127.79
Jasper - West	4031	46	125.97	688,949	2310	692	215	3.336	995.07	298.25
Neosho - East	3981	58	106.91	390,117	4565	1392	216	3.280	280.31	85.46
Joplin - Northeast	1285	13	18.30	317,139	3251	1077	214	3.020	294.57	97.55

**Circuit: 2621**

**Area Served: Albatross, Missouri**

**SAIFI: 5.795**

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

A coordination study and sectionalizing corrective action program is scheduled for completion in 2013.



**Circuit: 4172**  
**Area Served: Joplin, Missouri**  
**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.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2013.

**Circuit: 5603**  
**Area Served: Neosho, Missouri**  
**SAIFI: 5.003**

This circuit is scheduled to receive an infrared inspection in 2014 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 2011 and is scheduled again for 2017.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2013.

**Circuit: 2951**  
**Area Served: Reeds Spring, Missouri**  
**SAIFI: 4.879**

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 is scheduled for 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2013.



**Circuit: 3914**  
**Area Served: Joplin, Missouri**  
**SAIFI: 4.519**

This circuit received an infrared inspection in 2010. A visual inspection is scheduled in 2013 and 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.

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

**Circuit: 1282**  
**Area Served: Joplin, Missouri**  
**SAIFI: 4.335**

This circuit received an infrared inspection in 2011. A comprehensive intrusive inspection is scheduled in 2013 and 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 2009 and is scheduled again for 2013.

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

**Circuit: 1091**  
**Area Served: Joplin, Missouri**  
**SAIFI: 4.059**

This circuit received an infrared inspection in 2011 and a comprehensive intrusive inspection in 2012. 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.

Vegetation clearing is scheduled for 2014.

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





**Circuit: 1211**  
**Area Served: Ash Grove, Missouri**  
**SAIFI: 3.663**

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

Vegetation clearing was performed in 2008 and is scheduled again for 2014.

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

**Circuit: 1230**  
**Area Served: Joplin, Missouri**  
**SAIFI: 3.536**

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 2011 and is scheduled again for 2013.

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

**Circuit: 2091**  
**Area Served: Hermitage, Missouri**  
**SAIFI: 3.451**

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

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



**Circuit: 4221**  
**Area Served: Joplin, Missouri**  
**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.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2013.

**Circuit: 4031**  
**Area Served: Jasper, Missouri**  
**SAIFI: 3.336**

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

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

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

**Circuit: 3981**  
**Area Served: Neosho, Missouri**  
**SAIFI: 3.280**

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 is scheduled for 2013.

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



**Circuit: 1285**  
**Area Served: Joplin, Missouri**  
**SAIFI: 3.020**

This circuit received an infrared inspection in 2012. This circuit is scheduled to receive a comprehensive intrusive inspection in 2013. 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 2009 and is scheduled again for 2013.

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

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
1/1/2012 to 1/31/2012  
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	0.68	129	5,289	1,054	0.122	41.00	5.02	1.000	0.99989
1091	3	2.85	3,095	176,415	1,616	1.915	57.00	109.17	2.001	0.99755
1092	1	0.52	21	651	1,165	0.018	31.00	0.56	1.000	0.99999
1094	5	8.92	136	23,397	1,089	0.125	172.04	21.48	1.000	0.99952
1101	2	1.40	16	728	873	0.018	45.50	0.83	1.067	0.99998
1102	1	2.57	3	462	746	0.004	154.00	0.62	1.000	0.99999
1211	1	3.68	1	221	1,461	0.001	221.00	0.15	1.000	0.99999
1230	1	18.35	187	205,887	1,076	0.174	1101.00	191.34	1.000	0.99571
1241	1	1.65	1	99	830	0.001	99.00	0.12	1.000	0.99999
1262	2	50.73	2	3,044	2,048	0.001	1522.00	1.49	1.000	0.99997
1263	3	1.99	3	119	965	0.003	39.67	0.12	1.000	0.99999
1265	6	14.75	229	35,844	1,366	0.168	156.52	26.24	1.032	0.99941
1271	1	16.07	1	964	914	0.001	964.00	1.05	1.000	0.99998
1273	4	25.19	85	3,828	864	0.098	45.04	4.43	1.133	0.99990
1282	1	1.22	49	3,577	908	0.054	73.00	3.94	1.000	0.99991
1312	1	1.00	20	1,200	908	0.022	60.00	1.32	1.000	0.99997
1453	2	0.90	2	54	1,770	0.001	27.00	0.03	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1455	1	1.03	1	62	1,784	0.001	62.00	0.03	1.000	0.99999
1521	3	6.94	332	31,672	349	0.951	95.40	90.75	1.006	0.99797
1841	3	1.74	39	2,408	1,580	0.025	61.74	1.52	1.000	0.99997
1843	2	3.05	407	36,633	1,061	0.384	90.01	34.53	1.002	0.99923
2091	1	2.33	1	140	862	0.001	140.00	0.16	1.000	0.99999
2092	3	2.25	29	1,773	896	0.032	61.14	1.98	1.000	0.99996
2211	2	2.28	27	1,104	720	0.038	40.89	1.53	1.000	0.99997
2212	1	1.40	1	84	1,252	0.001	84.00	0.07	1.000	0.99999
2511	3	2.15	3	129	607	0.005	43.00	0.21	1.000	0.99999
2921	1	1.07	2	128	400	0.005	64.00	0.32	1.000	0.99999
2951	2	1.12	2	67	1,350	0.001	33.50	0.05	1.000	0.99999
3081	1	0.98	28	1,652	562	0.050	59.00	2.94	1.000	0.99993
3082	1	1.02	3	183	320	0.009	61.00	0.57	1.000	0.99999
3121	3	2.95	95	4,133	1,069	0.089	43.51	3.87	1.000	0.99991
3122	2	4.61	838	221,888	839	0.999	264.78	264.47	1.005	0.99408
3221	5	7.01	335	33,763	1,220	0.275	100.79	27.67	1.034	0.99938
3222	1	0.65	1	39	756	0.001	39.00	0.05	1.000	0.99999
3232	1	1.70	15	1,530	414	0.036	102.00	3.70	1.000	0.99992
3302	1	0.53	20	640	814	0.025	32.00	0.79	1.000	0.99998
3311	1	1.80	1	108	471	0.002	108.00	0.23	1.000	0.99999
3314	1	0.62	20	740	222	0.090	37.00	3.33	1.000	0.99993
3472	1	0.10	1	6	1,533	0.001	6.00	0.00	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	1	1.53	1	92	1,004	0.001	92.00	0.09	1.000	0.99999
3552	3	2.26	21	838	570	0.037	39.90	1.47	1.000	0.99997
3553	2	2.33	637	68,720	1,016	0.627	107.88	67.64	1.002	0.99848
3591	8	6.72	48	2,921	1,108	0.043	60.85	2.64	1.043	0.99994
3592	1	1.05	1	63	1,679	0.001	63.00	0.04	1.000	0.99999
3621	3	5.38	48	4,692	1,547	0.031	97.75	3.03	1.021	0.99993
3661	1	1.60	1	96	1,088	0.001	96.00	0.09	1.000	0.99999
3662	1	1.50	15	1,350	1,116	0.013	90.00	1.21	1.000	0.99997
3663	1	1.47	9	792	531	0.017	88.00	1.49	1.000	0.99997
3671	1	0.73	1	44	1,102	0.001	44.00	0.04	1.000	0.99999
3692	1	2.83	8	1,360	402	0.020	170.00	3.38	1.000	0.99992
3693	1	1.28	21	1,617	184	0.114	77.00	8.79	1.000	0.99980
3871	2	1.58	37	1,250	1,363	0.027	33.78	0.92	1.028	0.99998
3872	1	0.65	7	273	1,146	0.006	39.00	0.24	1.000	0.99999
3873	1	6.23	705	263,670	785	0.898	374.00	335.89	1.000	0.99248
3878	2	3.11	10	935	795	0.013	93.50	1.18	2.000	0.99997
3891	1	2.37	4	568	414	0.010	142.00	1.37	1.000	0.99997
3893	2	3.84	1,077	215,466	1,072	1.005	200.06	200.99	1.011	0.99550
3914	4	4.34	1,217	105,650	634	1.920	86.81	166.64	2.015	0.99627
3951	3	5.13	39	2,108	1,070	0.036	54.05	1.97	1.054	0.99996
3981	1	2.02	1,330	160,930	1,370	0.971	121.00	117.47	1.000	0.99737
3982	7	8.60	52	6,941	1,860	0.028	133.48	3.73	1.020	0.99992

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3991	3	5.05	3	303	706	0.004	101.00	0.43	1.500	0.99999
403	1	63.82	7	26,803	260	0.027	3829.00	103.09	1.000	0.99769
4031	1	1.13	47	3,196	689	0.068	68.00	4.64	1.000	0.99990
4092	1	1.88	9	1,017	415	0.022	113.00	2.45	1.000	0.99995
4101	1	3.70	55	12,210	576	0.095	222.00	21.20	1.000	0.99953
4102	3	5.20	88	7,912	880	0.100	89.91	8.99	1.000	0.99980
4131	1	3.38	8	1,624	195	0.041	203.00	8.33	1.000	0.99981
4133	1	1.45	1	87	394	0.003	87.00	0.22	1.000	0.99999
4134	1	0.98	6	354	828	0.007	59.00	0.43	1.000	0.99999
4151	1	1.75	35	3,675	1,230	0.028	105.00	2.99	1.000	0.99993
4153	1	1.07	34	2,176	1,268	0.027	64.00	1.72	1.000	0.99996
4171	4	6.26	145	15,877	1,024	0.142	109.50	15.50	1.768	0.99965
4172	6	7.15	180	12,200	1,643	0.110	67.78	7.43	1.006	0.99983
4182	1	1.28	1	77	992	0.001	77.00	0.08	1.000	0.99999
4211	1	1.38	47	3,901	658	0.071	83.00	5.93	1.000	0.99987
4212	1	1.25	126	9,450	792	0.159	75.00	11.93	1.000	0.99973
4221	1	2.68	3	483	476	0.006	161.00	1.01	1.000	0.99998
4302	4	4.95	178	11,241	1,095	0.163	63.15	10.27	1.000	0.99977
4324	1	1.07	17	1,088	1,074	0.016	64.00	1.01	1.000	0.99998
4341	1	0.78	78	3,666	1,710	0.046	47.00	2.14	1.000	0.99995
4342	1	0.53	33	1,056	1,698	0.019	32.00	0.62	1.000	0.99999
4343	3	2.47	27	1,332	1,010	0.027	49.33	1.32	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4361	1	4.55	1	273	1,630	0.001	273.00	0.17	1.000	0.99999
4362	1	0.60	82	2,952	809	0.101	36.00	3.65	1.000	0.99992
4363	12	15.65	832	68,704	1,294	0.643	82.58	53.09	1.257	0.99881
4371	3	2.49	93	4,197	1,506	0.062	45.13	2.79	1.000	0.99994
4372	1	1.43	11	946	418	0.026	86.00	2.26	1.000	0.99995
4373	1	0.63	1	38	744	0.001	38.00	0.05	1.000	0.99999
4431	4	6.03	158	16,292	1,331	0.119	103.11	12.24	1.000	0.99973
4432	2	1.75	9	735	435	0.021	81.67	1.69	1.125	0.99996
4511	1	1.95	1	117	1,114	0.001	117.00	0.11	1.000	0.99999
5603	3	4.53	44	4,413	1,217	0.036	100.30	3.63	1.048	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	192	425.17	13,830	1,859,432	156,374	0.088	134.45	11.89	1.213	0.99973



**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
*2/1/2012 to 2/29/2012*  
**INCLUDING MAJOR EVENT DAYS**

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	4.78	264	26,759	1,380	0.191	101.36	19.39	1.000	0.99954
1051	1	2.00	1	120	1,057	0.001	120.00	0.11	1.000	0.99999
1082	1	4.42	1	265	1,279	0.001	265.00	0.21	1.000	0.99999
1091	1	5.85	8	2,808	1,626	0.005	351.00	1.73	1.000	0.99996
1092	2	1.77	2	106	1,164	0.002	53.00	0.09	1.000	0.99999
1094	3	3.54	45	3,951	1,085	0.041	87.80	3.64	1.000	0.99991
1102	2	1.78	60	1,093	855	0.070	18.22	1.28	1.000	0.99997
1141	2	3.23	18	1,762	899	0.020	97.89	1.96	1.000	0.99995
1142	1	3.78	207	46,989	213	0.972	227.00	220.61	1.000	0.99472
1230	1	1.02	1	61	1,089	0.001	61.00	0.06	1.000	0.99999
1232	1	0.70	1	42	1,173	0.001	42.00	0.04	1.000	0.99999
1241	1	0.22	1	13	831	0.001	13.00	0.02	1.000	0.99999
1242	1	1.45	1	87	669	0.001	87.00	0.13	1.000	0.99999
1243	1	1.12	1	67	1,181	0.001	67.00	0.06	1.000	0.99999
1261	1	0.27	1	16	384	0.003	16.00	0.04	1.000	0.99999
1262	3	7.65	26	3,849	2,085	0.012	148.04	1.85	1.238	0.99996
1263	9	21.34	453	73,682	987	0.459	162.65	74.65	1.150	0.99821

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1265	1	1.00	1	60	1,259	0.001	60.00	0.05	1.000	0.99999
1273	2	3.93	6	520	864	0.007	86.67	0.60	1.000	0.99999
1282	1	6.78	2	814	906	0.002	407.00	0.90	1.000	0.99998
1283	1	3.48	45	9,405	359	0.125	209.00	26.20	1.000	0.99937
1285	2	1.05	180	10,209	1,076	0.167	56.72	9.49	1.006	0.99977
1311	2	6.17	7	1,950	265	0.026	278.57	7.36	1.000	0.99982
1312	1	2.25	1	135	910	0.001	135.00	0.15	1.000	0.99999
1451	1	1.67	3	300	595	0.005	100.00	0.50	1.000	0.99999
1453	1	2.15	1	129	1,773	0.001	129.00	0.07	1.000	0.99999
1521	1	1.87	39	4,368	350	0.111	112.00	12.48	1.000	0.99970
1523	1	1.07	1	64	701	0.001	64.00	0.09	1.000	0.99999
1841	3	6.21	566	69,900	1,746	0.324	123.50	40.03	1.002	0.99904
1843	2	1.94	15	714	1,063	0.014	47.60	0.67	1.071	0.99998
2091	5	15.45	1,539	93,295	862	1.785	60.62	108.23	1.800	0.99741
2171	1	1.00	67	4,020	548	0.122	60.00	7.34	1.000	0.99982
2211	1	0.92	3	165	721	0.004	55.00	0.23	1.000	0.99999
2921	1	6.27	54	20,304	402	0.134	376.00	50.51	1.000	0.99879
2951	2	2.84	37	1,570	1,357	0.027	42.43	1.16	1.028	0.99997
3081	1	0.77	1	46	563	0.002	46.00	0.08	1.000	0.99999
3122	5	253.10	868	525,049	841	1.032	604.90	624.32	2.092	0.98505
3123	6	382.17	1,061	2,545,698	1,034	1.026	2399.34	2461.99	1.357	0.94104
3221	2	8.66	26	3,808	1,224	0.021	146.46	3.11	1.040	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3222	15	39.06	84	11,552	758	0.111	137.52	15.24	1.000	0.99964
3231	2	33.45	403	133,134	406	0.993	330.36	327.92	1.002	0.99215
3304	2	4.13	23	2,621	963	0.024	113.96	2.72	1.000	0.99993
3314	1	2.02	3	363	222	0.014	121.00	1.64	1.000	0.99996
3421	1	15.88	661	629,933	668	0.990	953.00	943.01	1.000	0.97742
3422	4	26.74	955	589,486	962	0.993	617.26	612.77	1.876	0.98533
3471	2	5.03	13	2,601	161	0.081	200.08	16.16	1.000	0.99961
3472	4	6.76	1,599	258,086	1,538	1.040	161.40	167.81	1.069	0.99598
3551	1	1.40	9	756	1,006	0.009	84.00	0.75	1.000	0.99998
3553	2	3.22	2	193	1,018	0.002	96.50	0.19	1.000	0.99999
3593	1	1.87	1	112	929	0.001	112.00	0.12	1.000	0.99999
3621	2	6.22	2	373	1,545	0.001	186.50	0.24	1.000	0.99999
3661	1	0.65	1	39	1,089	0.001	39.00	0.04	1.000	0.99999
3662	3	8.85	6	1,473	1,121	0.005	245.50	1.31	1.000	0.99997
3663	5	5.92	6	434	775	0.008	72.33	0.56	1.000	0.99999
3675	1	0.70	4	168	415	0.010	42.00	0.40	1.000	0.99999
3692	3	7.93	412	40,226	402	1.025	97.64	100.06	1.035	0.99760
3694	1	3.15	29	5,481	1,233	0.024	189.00	4.45	1.000	0.99989
3701	1	2.92	496	86,800	471	1.053	175.00	184.29	1.000	0.99559
3702	1	2.90	632	109,968	594	1.064	174.00	185.13	1.000	0.99557
3878	2	42.58	410	800,233	796	0.515	1951.79	1005.32	1.059	0.97593
3891	2	2.15	407	31,313	418	0.974	76.94	74.91	3.769	0.99821

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3893	1	1.48	1,065	94,785	1,078	0.988	89.00	87.93	1.000	0.99789
3894	1	0.95	104	5,928	112	0.929	57.00	52.93	1.000	0.99873
3901	2	4.05	19	2,657	859	0.022	139.84	3.09	1.000	0.99993
3913	3	6.93	26	4,096	944	0.028	157.54	4.34	1.040	0.99990
3914	2	2.08	2	125	636	0.003	62.50	0.20	2.000	0.99999
3951	1	0.67	1	40	1,073	0.001	40.00	0.04	1.000	0.99999
3952	1	2.03	29	3,538	374	0.078	122.00	9.46	1.000	0.99977
3971	1	2.33	646	90,440	648	0.997	140.00	139.57	1.000	0.99666
3981	16	33.41	818	140,509	1,371	0.597	171.77	102.49	1.108	0.99755
3982	2	2.02	169	11,411	1,745	0.097	67.52	6.54	1.000	0.99984
3991	5	10.58	714	152,083	708	1.008	213.00	214.81	1.032	0.99486
3992	2	3.63	11	1,190	161	0.068	108.18	7.39	1.000	0.99982
4031	2	7.29	48	12,903	692	0.069	268.81	18.65	1.021	0.99955
4091	1	15.82	1,130	1,072,370	1,133	0.997	949.00	946.49	1.000	0.97734
4092	6	15.76	353	235,865	416	0.849	668.17	566.98	1.014	0.98642
4102	2	1.60	42	2,176	894	0.047	51.81	2.43	1.000	0.99994
4133	1	15.95	299	286,143	473	0.632	957.00	604.95	1.000	0.98551
4134	2	5.71	19	3,308	828	0.023	174.11	4.00	1.000	0.99990
4135	1	15.88	55	52,415	58	0.948	953.00	903.71	1.000	0.97836
4136	2	6.82	573	130,783	670	0.855	228.24	195.20	1.726	0.99533
4137	4	78.73	881	274,601	806	1.093	311.69	340.70	1.351	0.99184
4138	4	209.87	211	944,927	708	0.298	4478.33	1334.64	3.058	0.96804

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	2	3.05	37	2,973	583	0.063	80.35	5.10	1.000	0.99988
4151	1	1.97	1	118	1,229	0.001	118.00	0.10	1.000	0.99999
4154	1	1.00	11	660	1,095	0.010	60.00	0.60	1.000	0.99999
4171	1	1.08	91	5,915	924	0.098	65.00	6.40	1.000	0.99985
4172	9	19.49	264	46,114	1,645	0.160	174.67	28.03	1.389	0.99933
4181	1	3.37	1	202	474	0.002	202.00	0.43	1.000	0.99999
4211	21	24.50	302	34,912	656	0.460	115.60	53.22	1.189	0.99873
4212	4	7.88	23	3,273	793	0.029	142.30	4.13	1.095	0.99990
4221	1	1.75	1	105	477	0.002	105.00	0.22	1.000	0.99999
4223	4	1.99	103	3,108	1,612	0.064	30.17	1.93	1.000	0.99995
4303	24	30.62	188	18,308	791	0.238	97.38	23.15	1.005	0.99945
4312	1	1.28	1	77	976	0.001	77.00	0.08	1.000	0.99999
4313	1	0.28	1	17	534	0.002	17.00	0.03	1.000	0.99999
4324	2	4.37	59	8,817	1,086	0.054	149.44	8.12	1.000	0.99981
433	1	0.32	1	19	78	0.013	19.00	0.24	1.000	0.99999
4331	2	11.45	285	116,565	296	0.963	409.00	393.80	3.000	0.99057
4332	1	4.00	211	50,640	300	0.703	240.00	168.80	1.000	0.99596
4333	2	5.66	401	88,519	546	0.734	220.75	162.12	1.003	0.99612
4341	2	2.20	1,332	86,584	1,713	0.778	65.00	50.55	1.002	0.99879
4342	5	10.03	90	11,182	1,701	0.053	124.24	6.57	1.023	0.99984
4361	5	8.09	5	485	1,632	0.003	97.00	0.30	1.000	0.99999
4363	5	8.95	5	537	1,310	0.004	107.40	0.41	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4371	1	0.93	1	56	1,510	0.001	56.00	0.04	1.000	0.99999
4372	1	0.82	1	49	419	0.002	49.00	0.12	1.000	0.99999
4373	3	2.43	529	12,946	743	0.712	24.47	17.42	1.011	0.99958
4385	1	5.53	109	36,188	1,104	0.099	332.00	32.78	1.000	0.99922
4431	17	31.62	376	60,342	1,335	0.282	160.48	45.20	1.019	0.99892
4602	3	5.07	91	10,152	928	0.098	111.56	10.94	1.000	0.99974
5602	3	3.84	3	231	681	0.004	77.00	0.34	1.000	0.99999
5603	2	3.33	91	14,206	1,220	0.075	156.11	11.64	1.011	0.99972
6142	2	4.57	5	907	297	0.017	181.40	3.05	1.000	0.99993
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	326	1,654.26	23,606	10,296,038	157,093	0.150	436.16	65.54	1.164	0.99843

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
3/1/2012 to 3/31/2012  
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	2.47	199	16,302	1,380	0.144	81.92	11.81	1.005	0.99974
1051	2	1.40	374	15,460	1,057	0.354	41.34	14.63	1.000	0.99967
1082	2	4.51	2	271	1,279	0.002	135.50	0.21	1.000	0.99999
1091	5	10.26	10	1,211	1,626	0.006	121.10	0.74	1.000	0.99998
1092	1	1.83	1	110	1,164	0.001	110.00	0.09	1.000	0.99999
1094	2	3.93	11	1,289	1,085	0.010	117.18	1.19	1.000	0.99997
1101	2	2.25	4	307	878	0.005	76.75	0.35	1.333	0.99999
1102	1	1.40	1	84	855	0.001	84.00	0.10	1.000	0.99999
1211	2	3.20	499	85,584	1,463	0.341	171.51	58.50	1.029	0.99869
1212	1	1.18	1	71	320	0.003	71.00	0.22	1.000	0.99999
1230	3	5.95	44	3,268	1,089	0.040	74.27	3.00	1.000	0.99993
1232	1	0.97	1	58	1,173	0.001	58.00	0.05	1.000	0.99999
1241	3	2.42	99	4,232	831	0.119	42.75	5.09	1.000	0.99989
1242	1	0.90	1	54	669	0.001	54.00	0.08	1.000	0.99999
1262	4	3.69	1,954	80,412	2,085	0.937	41.15	38.57	1.012	0.99914
1263	1	2.03	43	5,246	987	0.044	122.00	5.32	1.000	0.99988
1265	1	5.52	1	331	1,259	0.001	331.00	0.26	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	2	73.07	13	4,824	919	0.014	371.08	5.25	1.000	0.99988
1273	1	2.92	6	1,050	864	0.007	175.00	1.22	1.000	0.99997
1282	1	2.42	1	145	906	0.001	145.00	0.16	1.000	0.99999
1284	2	2.40	23	1,509	854	0.027	65.61	1.77	1.000	0.99996
1285	1	2.32	1,071	148,869	1,076	0.995	139.00	138.35	1.000	0.99690
1311	1	1.13	5	340	265	0.019	68.00	1.28	1.000	0.99997
1451	2	3.45	16	1,593	595	0.027	99.56	2.68	1.000	0.99994
1452	1	2.10	1	126	448	0.002	126.00	0.28	1.000	0.99999
1453	1	1.90	1	114	1,773	0.001	114.00	0.06	1.000	0.99999
1454	5	5.30	201	4,546	906	0.222	22.62	5.02	1.000	0.99989
1455	3	2.78	1,726	155,237	1,809	0.954	89.94	85.81	1.001	0.99808
1841	4	3.17	4	190	1,746	0.002	47.50	0.11	1.000	0.99999
1842	1	3.00	43	7,740	272	0.158	180.00	28.46	1.000	0.99936
1843	3	5.67	54	5,593	1,063	0.051	103.57	5.26	1.000	0.99988
2091	11	5.47	99	3,849	862	0.115	38.88	4.47	1.000	0.99990
2171	1	0.83	10	500	548	0.018	50.00	0.91	1.000	0.99998
2211	1	0.43	21	546	721	0.029	26.00	0.76	1.000	0.99998
2212	1	0.43	29	754	1,253	0.023	26.00	0.60	1.000	0.99999
2621	1	1.70	39	3,978	1,123	0.035	102.00	3.54	1.000	0.99992
2921	1	1.25	1	75	402	0.002	75.00	0.19	1.000	0.99999
2951	3	6.66	23	3,294	1,357	0.017	143.22	2.43	1.000	0.99995
2961	2	1.37	29	1,002	649	0.045	34.55	1.54	1.000	0.99997



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3122	5	95.88	52	87,903	841	0.062	1690.44	104.52	1.040	0.99766
3123	3	10.70	48	21,404	1,034	0.046	445.92	20.70	1.021	0.99954
3221	1	2.48	1	149	1,224	0.001	149.00	0.12	1.000	0.99999
3222	2	4.30	611	83,082	758	0.806	135.98	109.61	1.002	0.99754
3232	1	2.43	1	146	415	0.002	146.00	0.35	1.000	0.99999
3302	2	2.21	63	4,830	829	0.076	76.67	5.83	1.016	0.99987
3304	2	2.38	28	1,960	963	0.029	70.00	2.04	1.000	0.99995
3311	1	3.33	1	200	471	0.002	200.00	0.42	1.000	0.99999
3312	8	136.54	23	22,867	360	0.064	994.22	63.52	1.000	0.99858
3314	1	2.78	9	1,503	222	0.041	167.00	6.77	1.000	0.99985
3421	1	0.60	1	36	668	0.001	36.00	0.05	1.000	0.99999
3422	1	3.05	1	183	962	0.001	183.00	0.19	1.000	0.99999
3472	4	5.33	68	5,526	1,538	0.044	81.26	3.59	1.046	0.99992
3551	1	0.60	3	108	1,006	0.003	36.00	0.11	1.000	0.99999
3553	2	3.70	2	222	1,018	0.002	111.00	0.22	1.000	0.99999
3592	2	3.50	77	3,730	1,680	0.046	48.44	2.22	1.041	0.99995
3593	1	0.72	26	1,118	929	0.028	43.00	1.20	1.000	0.99997
3661	3	5.85	57	3,591	1,089	0.052	63.00	3.30	1.018	0.99993
3662	1	1.90	1	114	1,121	0.001	114.00	0.10	1.000	0.99999
3663	5	4.85	5	291	775	0.006	58.20	0.38	1.000	0.99999
3671	1	0.58	72	2,520	1,108	0.065	35.00	2.27	1.000	0.99995
3672	1	0.65	143	5,577	133	1.075	39.00	41.93	1.000	0.99906

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3691	2	5.50	93	13,343	1,133	0.082	143.47	11.78	1.011	0.99974
3693	1	1.68	20	2,020	183	0.109	101.00	11.04	1.000	0.99975
3694	1	0.97	7	406	1,233	0.006	58.00	0.33	1.000	0.99999
3871	1	2.43	8	1,168	1,365	0.006	146.00	0.86	1.000	0.99998
3872	1	5.23	30	9,420	1,146	0.026	314.00	8.22	1.000	0.99982
3878	4	31.63	112	95,066	796	0.141	848.80	119.43	1.009	0.99732
3891	1	1.63	1	98	418	0.002	98.00	0.23	1.000	0.99999
3893	3	4.95	74	8,727	1,078	0.069	117.93	8.10	1.014	0.99982
3894	2	6.48	2	389	112	0.018	194.50	3.47	1.000	0.99992
3902	1	1.95	14	1,638	97	0.144	117.00	16.89	1.000	0.99962
3912	1	0.60	402	14,472	452	0.889	36.00	32.02	1.000	0.99928
3913	6	8.35	981	38,148	944	1.039	38.89	40.41	1.041	0.99909
3914	3	3.48	614	20,372	636	0.965	33.18	32.03	1.003	0.99928
3951	1	1.30	61	4,758	1,073	0.057	78.00	4.43	1.000	0.99990
3981	3	2.81	4	231	1,371	0.003	57.75	0.17	1.000	0.99999
3982	5	5.48	223	12,923	1,745	0.128	57.95	7.41	1.009	0.99983
3991	17	23.94	349	27,001	708	0.493	77.37	38.14	1.045	0.99915
403	3	4.29	8	907	261	0.031	113.38	3.48	1.143	0.99992
4031	1	2.33	1	140	692	0.001	140.00	0.20	1.000	0.99999
405	1	1.90	1	114	43	0.023	114.00	2.65	1.000	0.99994
4092	1	0.75	1	45	416	0.002	45.00	0.11	1.000	0.99999
4101	1	1.40	38	3,192	578	0.066	84.00	5.52	1.000	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	1	2.20	1	132	894	0.001	132.00	0.15	1.000	0.99999
4131	2	25.22	2	1,513	195	0.010	756.50	7.76	1.000	0.99983
4132	5	1.09	119	1,547	564	0.211	13.00	2.74	1.092	0.99994
4136	2	12.41	43	26,588	670	0.064	618.33	39.68	1.194	0.99911
4137	4	39.70	21	29,095	806	0.026	1385.48	36.10	1.000	0.99919
4138	3	21.76	18	1,801	708	0.025	100.06	2.54	1.000	0.99994
4142	1	0.65	30	1,170	583	0.051	39.00	2.01	1.000	0.99996
4151	5	6.80	34	5,628	1,229	0.028	165.53	4.58	1.030	0.99990
4152	1	0.83	43	2,150	781	0.055	50.00	2.75	1.000	0.99994
4153	2	3.40	15	1,829	1,275	0.012	121.93	1.43	1.000	0.99997
4171	3	7.10	3	426	924	0.003	142.00	0.46	1.000	0.99999
4172	7	5.57	177	10,165	1,645	0.108	57.43	6.18	1.017	0.99986
4173	4	3.67	51	3,070	607	0.084	60.20	5.06	1.020	0.99989
4182	2	2.05	8	489	996	0.008	61.13	0.49	1.000	0.99999
4211	1	0.80	648	31,104	656	0.988	48.00	47.41	1.000	0.99894
4212	3	2.51	3	151	793	0.004	50.33	0.19	1.000	0.99999
4221	2	2.04	475	19,042	477	0.996	40.09	39.92	1.002	0.99911
4223	2	1.08	1,482	56,771	1,612	0.919	38.31	35.22	1.056	0.99921
4224	2	2.90	692	28,338	679	1.019	40.95	41.73	1.010	0.99907
4302	1	1.27	19	1,444	1,097	0.017	76.00	1.32	1.000	0.99997
4303	2	2.86	33	2,838	791	0.042	86.00	3.59	1.000	0.99992
4324	2	2.60	1,085	148,527	1,086	0.999	136.89	136.77	1.001	0.99694

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4331	2	55.69	8	22,175	296	0.027	2771.88	74.92	1.000	0.99832
4333	1	0.65	1	39	546	0.002	39.00	0.07	1.000	0.99999
4334	1	1.83	1	110	299	0.003	110.00	0.37	1.000	0.99999
4343	1	1.00	73	4,380	1,010	0.072	60.00	4.34	1.000	0.99990
4361	1	0.33	1	20	1,632	0.001	20.00	0.01	1.000	0.99999
4362	1	0.58	1	35	809	0.001	35.00	0.04	1.000	0.99999
4363	2	1.70	18	1,222	1,310	0.014	67.89	0.93	1.059	0.99998
4371	3	3.72	41	2,841	1,510	0.027	69.29	1.88	1.025	0.99996
4372	1	2.47	1	148	419	0.002	148.00	0.35	1.000	0.99999
4373	10	16.45	226	41,642	743	0.304	184.26	56.05	1.119	0.99874
4385	1	3.27	1	196	1,104	0.001	196.00	0.18	1.000	0.99999
4386	1	0.40	77	1,848	1,647	0.047	24.00	1.12	1.000	0.99997
4431	1	0.87	1	52	1,335	0.001	52.00	0.04	1.000	0.99999
4432	2	2.09	27	2,925	437	0.062	108.33	6.69	1.038	0.99985
4601	1	1.23	7	518	404	0.017	74.00	1.28	1.000	0.99997
4602	1	1.48	159	14,151	928	0.171	89.00	15.25	1.000	0.99966
5602	2	1.53	2	92	681	0.003	46.00	0.14	1.000	0.99999
5603	4	2.65	1,233	81,523	1,220	1.011	66.12	66.82	1.052	0.99850
6021	1	0.57	24	816	674	0.036	34.00	1.21	1.000	0.99997
6141	1	1.08	13	845	613	0.021	65.00	1.38	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	287	845.22	17,915	1,611,198	157,093	0.114	89.94	10.26	1.017	0.99977

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
4/1/2012 to 4/30/2012  
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	3	6.96	217	15,709	1,060	0.205	72.39	14.82	1.005	0.99966
1082	4	8.13	28	2,930	1,283	0.022	104.64	2.28	1.037	0.99995
1091	11	23.05	38	3,678	1,630	0.023	96.79	2.26	1.000	0.99995
1092	3	4.02	1,166	119,274	1,168	0.998	102.29	102.12	1.014	0.99764
1094	1	0.55	1	33	1,090	0.001	33.00	0.03	1.000	0.99999
1101	2	3.15	2	189	922	0.002	94.50	0.20	2.000	0.99999
1141	2	4.20	877	122,177	899	0.976	139.31	135.90	1.305	0.99685
1142	1	0.87	8	416	213	0.038	52.00	1.95	1.000	0.99995
1211	5	6.39	2,933	133,311	1,463	2.005	45.45	91.12	1.987	0.99789
1212	2	2.12	2	127	320	0.006	63.50	0.40	1.000	0.99999
1230	6	5.08	2,040	53,389	1,095	1.863	26.17	48.76	2.004	0.99887
1232	2	4.50	13	1,737	1,174	0.011	133.62	1.48	1.000	0.99997
1233	1	0.83	1	50	638	0.002	50.00	0.08	1.000	0.99999
1241	1	0.68	17	697	832	0.020	41.00	0.84	1.000	0.99998
1242	1	2.13	1	128	669	0.001	128.00	0.19	1.000	0.99999
1243	1	1.03	7	434	1,182	0.006	62.00	0.37	1.000	0.99999
1262	2	1.76	2	106	2,104	0.001	53.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	1	1.07	3	192	990	0.003	64.00	0.19	1.000	0.99999
1265	5	9.92	218	26,524	1,260	0.173	121.67	21.05	1.043	0.99951
1267	1	0.37	23	506	76	0.303	22.00	6.66	1.000	0.99985
1271	4	6.13	4	368	920	0.004	92.00	0.40	1.333	0.99999
1273	1	0.68	88	3,608	864	0.102	41.00	4.18	1.000	0.99990
1282	3	2.95	83	3,521	907	0.092	42.42	3.88	1.000	0.99991
1283	3	4.85	3	291	359	0.008	97.00	0.81	1.000	0.99998
1284	4	2.34	4	140	854	0.005	35.00	0.16	1.000	0.99999
1285	1	1.33	1	80	1,076	0.001	80.00	0.07	1.000	0.99999
1451	3	7.32	264	41,706	604	0.437	157.98	69.05	1.031	0.99840
1454	4	3.63	4	218	906	0.004	54.50	0.24	1.000	0.99999
1455	2	1.88	66	3,313	1,822	0.036	50.20	1.82	1.015	0.99996
1521	1	1.72	330	33,990	351	0.940	103.00	96.84	1.000	0.99776
1523	1	1.90	22	2,508	702	0.031	114.00	3.57	1.000	0.99992
1841	1	0.83	1	50	1,174	0.001	50.00	0.04	1.000	0.99999
1842	1	2.23	1	134	272	0.004	134.00	0.49	1.000	0.99999
1843	11	32.05	28	6,230	1,064	0.026	222.50	5.86	1.273	0.99986
2051	1	2.30	1	138	160	0.006	138.00	0.86	1.000	0.99998
2052	3	7.48	3	449	84	0.036	149.67	5.35	1.500	0.99988
2091	2	1.10	72	2,882	864	0.083	40.03	3.34	1.000	0.99992
2172	1	1.03	1	62	216	0.005	62.00	0.29	1.000	0.99999
2211	2	1.82	22	1,210	721	0.031	55.00	1.68	1.100	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2212	1	1.12	9	603	1,254	0.007	67.00	0.48	1.000	0.99999
2511	1	1.50	49	4,410	607	0.081	90.00	7.27	1.000	0.99983
2621	5	5.90	1,164	79,268	1,124	1.036	68.10	70.52	1.045	0.99837
2622	1	1.42	1	85	112	0.009	85.00	0.76	1.000	0.99998
2921	2	2.43	71	6,108	402	0.177	86.03	15.19	1.315	0.99965
2951	8	45.37	1,379	88,460	1,358	1.015	64.15	65.14	1.046	0.99849
3082	1	1.05	2	126	321	0.006	63.00	0.39	1.000	0.99999
3122	5	8.86	5	532	840	0.006	106.40	0.63	1.000	0.99999
3123	2	2.69	17	1,211	1,029	0.017	71.24	1.18	1.000	0.99997
3181	1	2.18	1	131	706	0.001	131.00	0.19	1.000	0.99999
3221	9	12.43	167	14,650	1,224	0.136	87.72	11.97	1.031	0.99972
3222	1	3.43	1	206	758	0.001	206.00	0.27	1.000	0.99999
3232	2	3.59	2	215	417	0.005	107.50	0.52	2.000	0.99999
3304	1	0.82	32	1,568	968	0.033	49.00	1.62	1.000	0.99996
3313	3	2.12	109	4,049	929	0.117	37.15	4.36	1.019	0.99990
3314	2	3.97	33	3,958	222	0.149	119.94	17.83	1.000	0.99959
3315	1	0.78	2	94	1,560	0.001	47.00	0.06	1.000	0.99999
3422	2	1.62	4	165	962	0.004	41.25	0.17	1.333	0.99999
3471	1	2.75	1	165	162	0.006	165.00	1.02	1.000	0.99998
3472	4	5.32	241	19,243	1,542	0.156	79.85	12.48	1.034	0.99971
3551	1	1.10	1	66	1,006	0.001	66.00	0.07	1.000	0.99999
3552	2	5.21	10	2,609	570	0.018	260.90	4.58	1.000	0.99989



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3591	1	0.52	13	403	1,118	0.012	31.00	0.36	1.000	0.99999
3593	3	10.00	155	26,722	929	0.167	172.40	28.76	1.000	0.99933
3621	6	9.69	23	2,418	1,548	0.015	105.13	1.56	1.000	0.99996
3661	3	15.95	26	10,160	1,095	0.024	390.77	9.28	1.000	0.99979
3662	4	3.67	133	5,466	1,126	0.118	41.10	4.85	1.000	0.99989
3663	9	21.22	95	9,312	776	0.122	98.02	12.00	1.067	0.99972
3671	4	4.67	5	401	1,252	0.004	80.20	0.32	1.000	0.99999
3691	1	1.83	3	330	1,136	0.003	110.00	0.29	1.000	0.99999
3692	2	5.58	2	335	402	0.005	167.50	0.83	1.000	0.99998
3694	3	6.62	33	4,453	1,235	0.027	134.94	3.61	1.000	0.99992
3701	2	3.72	2	223	472	0.004	111.50	0.47	2.000	0.99999
3751	2	1.26	2	76	854	0.002	38.00	0.09	1.000	0.99999
3871	2	1.76	2	106	1,364	0.001	53.00	0.08	1.000	0.99999
3873	1	1.70	1	102	787	0.001	102.00	0.13	1.000	0.99999
3878	2	5.47	20	4,000	784	0.026	200.00	5.10	1.000	0.99988
3891	1	2.02	1	121	418	0.002	121.00	0.29	1.000	0.99999
3893	8	15.66	180	15,948	1,079	0.167	88.60	14.78	1.078	0.99966
3901	1	2.02	851	102,971	860	0.990	121.00	119.73	1.000	0.99723
3902	3	6.47	109	13,276	97	1.124	121.80	136.87	1.147	0.99683
3903	12	24.89	37	5,814	286	0.129	157.14	20.33	1.000	0.99953
3913	3	5.35	171	10,660	944	0.181	62.34	11.29	1.006	0.99974
3914	10	10.59	99	7,121	640	0.155	71.93	11.13	1.010	0.99974

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3951	4	9.87	97	14,149	1,072	0.090	145.87	13.20	1.021	0.99969
3952	3	8.86	8	1,397	374	0.021	174.63	3.74	1.000	0.99991
3981	2	2.43	647	30,461	1,371	0.472	47.08	22.22	1.002	0.99949
3982	6	8.69	108	9,100	1,745	0.062	84.26	5.21	1.000	0.99988
3991	3	3.81	27	2,988	710	0.038	110.67	4.21	1.000	0.99990
4031	6	12.02	917	114,635	692	1.325	125.01	165.66	1.325	0.99617
4091	3	2.63	33	1,598	1,134	0.029	48.42	1.41	1.031	0.99997
4092	3	4.61	25	2,800	416	0.060	112.00	6.73	1.042	0.99984
4102	1	2.07	1	124	894	0.001	124.00	0.14	1.000	0.99999
4133	2	1.30	2	78	473	0.004	39.00	0.16	1.000	0.99999
4137	1	0.93	97	5,432	492	0.197	56.00	11.04	1.000	0.99974
4141	2	4.42	2	265	80	0.025	132.50	3.31	1.000	0.99992
4151	2	1.68	37	2,586	1,227	0.030	69.89	2.11	1.000	0.99995
4155	3	5.80	8	955	2,034	0.004	119.38	0.47	1.333	0.99999
4171	1	0.70	26	1,092	879	0.030	42.00	1.24	1.000	0.99997
4172	8	6.54	450	22,063	1,651	0.273	49.03	13.36	1.049	0.99969
4173	1	2.58	1	155	610	0.002	155.00	0.25	1.000	0.99999
4181	1	1.40	15	1,260	474	0.032	84.00	2.66	1.000	0.99994
4212	5	4.52	165	9,748	796	0.207	59.08	12.25	1.000	0.99972
4223	2	2.30	53	3,606	1,654	0.032	68.04	2.18	1.000	0.99995
4224	1	4.92	4	1,180	714	0.006	295.00	1.65	1.000	0.99996
4302	1	1.23	1	74	1,060	0.001	74.00	0.07	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4311	2	1.30	22	358	944	0.023	16.27	0.38	1.048	0.99999
4312	2	2.76	107	8,986	976	0.110	83.98	9.21	1.000	0.99979
4313	4	5.72	59	6,018	539	0.109	102.00	11.17	1.017	0.99974
4331	1	0.58	8	280	489	0.016	35.00	0.57	1.000	0.99999
4341	2	3.65	2	219	1,714	0.001	109.50	0.13	1.000	0.99999
4342	2	1.05	51	1,734	1,698	0.030	34.00	1.02	1.000	0.99998
4343	1	0.73	1	44	1,011	0.001	44.00	0.04	1.000	0.99999
4361	1	0.45	19	513	1,632	0.012	27.00	0.31	1.000	0.99999
4362	2	4.11	2	247	810	0.002	123.50	0.30	1.000	0.99999
4363	1	0.92	18	990	1,436	0.013	55.00	0.69	1.000	0.99998
4371	3	5.58	25	5,263	1,513	0.017	210.52	3.48	1.042	0.99992
4373	3	6.68	3	401	744	0.004	133.67	0.54	1.000	0.99999
4431	3	6.01	71	8,597	1,336	0.053	121.08	6.43	1.014	0.99985
4432	5	9.39	49	3,788	438	0.112	77.31	8.65	1.000	0.99980
4476	1	2.22	1	133	24	0.042	133.00	5.54	1.000	0.99987
4511	1	0.57	1	34	1,115	0.001	34.00	0.03	1.000	0.99999
4601	1	4.33	1	260	404	0.002	260.00	0.64	1.000	0.99999
4602	2	6.10	7	1,411	930	0.008	201.57	1.52	1.000	0.99996
5603	6	4.17	2,447	86,011	1,230	1.989	35.15	69.93	2.100	0.99838
6141	3	3.56	163	17,334	614	0.265	106.34	28.23	1.000	0.99935

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	350	609.89	19,640	1,399,212	155,872	0.126	71.24	8.98	1.276	0.99979

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
5/1/2012 to 5/31/2012  
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	9.72	122	14,362	1,413	0.086	117.72	10.16	1.000	0.99977
1051	1	2.88	7	1,211	1,062	0.007	173.00	1.14	1.000	0.99997
1081	1	1.20	19	2,520	19	1.000	132.63	132.63	1.000	0.99703
1082	3	4.55	1,398	112,614	1,287	1.086	80.55	87.50	1.085	0.99804
1091	8	6.61	84	4,004	1,633	0.051	47.67	2.45	1.012	0.99995
1092	12	12.62	112	5,643	1,172	0.096	50.38	4.81	1.000	0.99989
1093	1	0.95	51	2,907	226	0.226	57.00	12.86	1.000	0.99971
1094	5	3.85	32	1,631	1,095	0.029	50.97	1.49	1.000	0.99997
1101	2	1.92	2	115	965	0.002	57.50	0.12	1.000	0.99999
1102	3	2.56	52	2,778	624	0.083	53.42	4.45	1.000	0.99990
1141	3	5.67	21	3,004	899	0.023	143.05	3.34	1.000	0.99993
1211	1	0.72	14	602	1,463	0.010	43.00	0.41	1.000	0.99999
1213	2	1.95	52	3,042	541	0.096	58.50	5.62	2.000	0.99987
1230	6	7.59	176	22,137	1,101	0.160	125.78	20.11	1.006	0.99955
1232	6	5.73	1,522	72,676	1,174	1.296	47.75	61.90	1.301	0.99861
1241	7	10.75	156	13,553	832	0.188	86.88	16.29	1.333	0.99964
1243	3	4.85	31	1,675	1,182	0.026	54.03	1.42	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1262	6	10.81	2,005	360,469	2,123	0.944	179.79	169.79	1.003	0.99620
1265	4	4.10	120	6,522	1,262	0.095	54.35	5.17	1.132	0.99988
1271	4	7.12	4	427	922	0.004	106.75	0.46	1.000	0.99999
1273	1	1.52	1	91	864	0.001	91.00	0.11	1.000	0.99999
1282	6	3.54	458	16,103	908	0.504	35.16	17.73	1.016	0.99960
1284	5	4.89	49	2,914	853	0.057	59.47	3.42	1.021	0.99992
1285	1	1.03	179	11,098	1,077	0.166	62.00	10.30	1.000	0.99977
1311	1	2.45	1	147	265	0.004	147.00	0.55	1.000	0.99999
1312	1	6.28	6	2,262	912	0.007	377.00	2.48	1.000	0.99994
1451	2	3.00	2	180	612	0.003	90.00	0.29	1.000	0.99999
1452	10	15.45	154	9,504	449	0.343	61.71	21.17	1.077	0.99953
1453	6	6.87	494	25,576	1,790	0.276	51.77	14.29	1.000	0.99968
1454	2	1.50	65	1,602	905	0.072	24.65	1.77	1.016	0.99996
1455	6	12.40	241	40,795	1,835	0.131	169.27	22.23	1.000	0.99950
1521	2	3.61	74	7,219	352	0.210	97.55	20.51	1.000	0.99954
1522	1	1.85	1	111	98	0.010	111.00	1.13	1.000	0.99997
1523	2	3.15	24	1,641	702	0.034	68.38	2.34	1.043	0.99995
1841	6	9.63	73	7,246	602	0.121	99.26	12.04	1.304	0.99973
1843	5	6.25	90	5,800	1,066	0.084	64.44	5.44	1.023	0.99988
2052	2	4.31	2	259	83	0.024	129.50	3.12	2.000	0.99993
2091	1	1.48	1	89	865	0.001	89.00	0.10	1.000	0.99999
2092	1	1.18	27	1,917	899	0.030	71.00	2.13	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2171	1	1.88	1	113	550	0.002	113.00	0.21	1.000	0.99999
2211	5	3.95	69	3,993	721	0.096	57.87	5.54	1.045	0.99988
2212	2	1.77	11	646	1,255	0.009	58.73	0.51	1.000	0.99999
2511	1	1.30	4	312	607	0.007	78.00	0.51	1.000	0.99999
2621	5	7.90	25	1,730	1,126	0.022	69.20	1.54	1.000	0.99997
2921	1	1.35	1	81	402	0.002	81.00	0.20	1.000	0.99999
2951	4	6.34	214	22,281	1,360	0.157	104.12	16.38	1.044	0.99963
2962	1	1.95	1	117	251	0.004	117.00	0.47	1.000	0.99999
3041	1	1.90	78	8,892	79	0.987	114.00	112.56	1.000	0.99748
3081	1	0.70	1	42	563	0.002	42.00	0.07	1.000	0.99999
3121	4	4.30	60	4,293	1,072	0.056	71.55	4.00	1.053	0.99991
3122	1	0.83	1	50	838	0.001	50.00	0.06	1.000	0.99999
3123	3	2.63	886	35,568	1,024	0.865	40.14	34.73	1.474	0.99922
3181	1	2.17	1	130	706	0.001	130.00	0.18	1.000	0.99999
3221	9	11.76	1,378	231,992	1,224	1.126	168.35	189.54	1.120	0.99575
3222	4	6.86	10	813	759	0.013	81.30	1.07	1.111	0.99998
3231	1	0.97	24	1,392	407	0.059	58.00	3.42	1.000	0.99992
3232	1	1.58	38	3,610	419	0.091	95.00	8.62	1.000	0.99981
3302	1	1.15	45	3,105	833	0.054	69.00	3.73	1.000	0.99992
3304	4	4.36	70	3,297	974	0.072	47.10	3.39	1.014	0.99992
3311	6	5.49	505	33,988	500	1.010	67.30	67.98	1.329	0.99848
3312	2	1.55	82	6,173	1,167	0.070	75.28	5.29	1.000	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3313	2	5.83	32	4,400	928	0.034	137.50	4.74	1.032	0.99989
3314	1	1.58	209	19,855	222	0.941	95.00	89.44	1.000	0.99800
3315	6	7.70	1,156	252,342	1,562	0.740	218.29	161.55	1.033	0.99638
3423	2	1.43	42	1,806	379	0.111	43.00	4.77	1.000	0.99989
3471	1	1.72	1	103	162	0.006	103.00	0.64	1.000	0.99999
3472	13	28.26	309	38,073	1,545	0.200	123.21	24.64	1.020	0.99945
3552	2	1.67	36	1,800	570	0.063	50.00	3.16	1.059	0.99993
3553	4	4.39	82	6,974	1,020	0.080	85.05	6.84	1.025	0.99985
3591	2	2.15	66	4,501	1,119	0.059	68.20	4.02	1.000	0.99991
3592	4	9.77	115	19,181	1,680	0.068	166.79	11.42	1.009	0.99974
3593	1	1.25	121	9,075	929	0.130	75.00	9.77	1.000	0.99978
3621	2	3.95	51	5,916	1,550	0.033	116.00	3.82	1.000	0.99991
3661	6	4.99	151	9,296	1,101	0.137	61.56	8.44	1.495	0.99981
3662	4	8.60	81	12,506	1,130	0.072	154.40	11.07	1.025	0.99975
3663	9	10.59	132	8,673	776	0.170	65.70	11.18	1.023	0.99975
3671	2	3.02	1,409	161,986	1,397	1.009	114.97	115.95	1.001	0.99740
3691	2	1.75	6	321	1,138	0.005	53.50	0.28	1.200	0.99999
3693	1	0.98	1	59	183	0.005	59.00	0.32	1.000	0.99999
3694	1	1.05	1	63	1,237	0.001	63.00	0.05	1.000	0.99999
3701	1	1.23	500	37,000	473	1.057	74.00	78.22	1.000	0.99825
3702	2	3.03	662	50,514	594	1.114	76.31	85.04	1.043	0.99809
3751	7	7.26	944	9,861	855	1.104	10.45	11.53	1.085	0.99974



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3871	1	1.50	179	16,110	1,362	0.131	90.00	11.83	1.000	0.99974
3872	1	1.22	3	219	1,146	0.003	73.00	0.19	1.000	0.99999
3878	7	12.14	108	10,651	772	0.140	98.62	13.80	1.059	0.99969
3891	2	6.42	2	385	418	0.005	192.50	0.92	1.000	0.99998
3892	1	3.37	1	202	462	0.002	202.00	0.44	1.000	0.99999
3893	15	16.65	351	26,892	1,080	0.325	76.62	24.90	1.060	0.99944
3901	2	4.53	11	1,262	861	0.013	114.73	1.47	1.000	0.99997
3902	1	1.78	1	107	97	0.010	107.00	1.10	1.000	0.99998
3912	3	2.42	522	21,090	538	0.970	40.40	39.20	1.018	0.99912
3913	4	5.23	76	6,061	945	0.080	79.75	6.41	1.027	0.99986
3914	1	5.98	56	20,104	645	0.087	359.00	31.17	1.000	0.99930
3951	6	6.10	214	10,360	1,072	0.200	48.41	9.66	1.014	0.99978
3952	1	1.73	30	3,120	374	0.080	104.00	8.34	1.000	0.99981
3971	1	3.23	3	582	649	0.005	194.00	0.90	1.000	0.99998
3981	3	8.21	3	493	1,371	0.002	164.33	0.36	1.000	0.99999
3982	12	10.34	1,009	62,195	1,745	0.578	61.64	35.64	1.033	0.99920
3991	4	4.61	730	57,099	711	1.027	78.22	80.31	1.052	0.99820
3992	1	1.87	22	2,464	162	0.136	112.00	15.21	1.000	0.99966
403	1	0.30	1	18	261	0.004	18.00	0.07	1.000	0.99999
4031	4	8.71	98	15,797	693	0.141	161.19	22.80	1.065	0.99949
4091	2	7.27	46	16,936	1,134	0.041	368.17	14.93	1.022	0.99967
4092	1	2.25	1	135	417	0.002	135.00	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	CAIDI	SAIDI	CAIFI	ASAI
4101	3	6.38	686	95,297	578	1.187	138.92	164.87	1.173	0.99631
4102	3	3.28	19	1,197	894	0.021	63.00	1.34	1.000	0.99997
4131	4	4.74	709	20,708	858	0.826	29.21	24.14	1.035	0.99946
4142	1	1.95	1	117	583	0.002	117.00	0.20	1.000	0.99999
4151	7	7.77	148	10,992	1,225	0.121	74.27	8.97	1.194	0.99980
4152	1	1.78	1	107	781	0.001	107.00	0.14	1.000	0.99999
4153	8	10.78	1,091	95,382	1,280	0.852	87.43	74.52	1.215	0.99833
4154	3	2.65	33	1,509	1,106	0.030	45.73	1.36	1.000	0.99997
4155	2	3.82	36	4,122	2,037	0.018	114.50	2.02	1.200	0.99995
4171	3	3.34	63	4,473	834	0.076	71.00	5.36	1.000	0.99988
4172	14	19.16	771	97,524	1,657	0.465	126.49	58.86	1.056	0.99868
4173	2	0.81	44	1,078	612	0.072	24.50	1.76	2.000	0.99996
4181	2	2.93	495	39,824	475	1.042	80.45	83.84	1.029	0.99812
4182	1	0.40	1	24	997	0.001	24.00	0.02	1.000	0.99999
4211	8	8.61	16	1,226	660	0.024	76.63	1.86	1.000	0.99996
4212	6	5.96	62	4,500	798	0.078	72.58	5.64	1.000	0.99987
4221	3	5.27	65	8,934	477	0.136	137.45	18.73	1.032	0.99958
4223	9	18.77	199	23,171	1,697	0.117	116.44	13.65	1.015	0.99969
4302	2	1.58	29	1,283	1,023	0.028	44.24	1.25	1.000	0.99997
4303	1	1.63	806	78,988	807	0.999	98.00	97.88	1.000	0.99781
4311	1	0.67	15	600	988	0.015	40.00	0.61	1.000	0.99999
4312	1	2.38	1	143	976	0.001	143.00	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	CAIDI	SAIDI	CAIFI	ASAI
4313	4	7.17	12	799	544	0.022	66.58	1.47	1.333	0.99997
4324	7	4.47	23	1,532	1,132	0.020	66.61	1.35	1.000	0.99997
4341	3	2.88	33	2,261	1,716	0.019	68.52	1.32	1.031	0.99997
4342	8	8.92	232	14,317	1,696	0.137	61.71	8.44	1.036	0.99981
4343	8	9.66	108	9,391	1,012	0.107	86.95	9.28	1.113	0.99979
4362	3	2.07	91	4,960	810	0.112	54.51	6.12	1.000	0.99986
4363	9	7.80	146	7,218	1,563	0.093	49.44	4.62	1.021	0.99990
4371	4	5.92	47	3,186	1,516	0.031	67.79	2.10	1.022	0.99995
4372	2	3.93	2	236	420	0.005	118.00	0.56	1.000	0.99999
4373	2	3.74	2	224	746	0.003	112.00	0.30	1.000	0.99999
4385	6	16.89	136	31,943	1,104	0.123	234.88	28.93	1.023	0.99935
4386	2	2.50	219	24,454	1,646	0.133	111.66	14.86	1.005	0.99967
4431	22	33.83	281	27,483	1,338	0.210	97.80	20.54	1.022	0.99954
4432	3	6.00	88	10,456	440	0.200	118.82	23.76	1.011	0.99947
4511	1	0.65	34	1,326	1,115	0.030	39.00	1.19	1.000	0.99997
4601	2	5.07	2	304	405	0.005	152.00	0.75	1.000	0.99998
4602	4	9.00	191	23,152	932	0.205	121.21	24.84	1.044	0.99944
5601	3	2.72	444	31,033	1,139	0.390	69.89	27.25	1.005	0.99939
5603	5	5.01	94	3,980	1,241	0.076	42.34	3.21	1.022	0.99993
6141	7	6.85	77	4,754	614	0.125	61.74	7.74	1.013	0.99983
6142	2	1.53	39	1,646	297	0.131	42.21	5.54	1.000	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	544	758.56	28,593	2,751,505	157,732	0.181	96.23	17.44	1.073	0.99961

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
6/1/2012 to 6/30/2012  
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.66	100	5,000	1,413	0.071	50.00	3.54	1.020	0.99992
1051	1	1.07	1	64	1,062	0.001	64.00	0.06	1.000	0.99999
1052	2	0.59	2	35	288	0.007	17.50	0.12	1.000	0.99999
1082	4	4.47	73	7,202	1,287	0.057	98.66	5.60	1.106	0.99987
1091	3	3.07	55	1,692	1,633	0.034	30.76	1.04	1.000	0.99998
1092	2	2.10	38	2,212	1,172	0.032	58.21	1.89	1.027	0.99996
1093	1	1.85	4	444	226	0.018	111.00	1.96	1.000	0.99995
1094	10	9.34	227	12,747	1,095	0.207	56.15	11.64	1.013	0.99973
1101	1	3.38	1	203	965	0.001	203.00	0.21	1.000	0.99999
1102	3	2.08	60	2,426	624	0.096	40.43	3.89	1.000	0.99991
1142	1	1.63	207	20,286	213	0.972	98.00	95.24	1.000	0.99780
1211	6	7.09	43	2,705	1,463	0.029	62.91	1.85	1.049	0.99996
1212	2	2.30	2	138	320	0.006	69.00	0.43	1.000	0.99999
1213	3	7.12	16	2,266	541	0.030	141.63	4.19	1.000	0.99990
1230	1	3.95	11	2,607	1,101	0.010	237.00	2.37	1.000	0.99995
1232	3	2.51	1,172	35,221	1,174	0.998	30.05	30.00	1.002	0.99931
1233	1	0.93	24	1,344	638	0.038	56.00	2.11	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	2	2.90	10	786	832	0.012	78.60	0.94	1.111	0.99998
1243	2	1.96	2	118	1,182	0.002	59.00	0.10	1.000	0.99999
1261	2	2.91	398	15,916	385	1.034	39.99	41.34	1.021	0.99904
1262	3	2.85	7	303	2,123	0.003	43.29	0.14	1.000	0.99999
1265	1	0.57	32	1,088	1,262	0.025	34.00	0.86	1.000	0.99998
1271	5	4.36	5	261	922	0.005	52.20	0.28	1.000	0.99999
1273	1	0.62	13	481	864	0.015	37.00	0.56	1.000	0.99999
1282	2	8.20	3	880	908	0.003	293.33	0.97	1.000	0.99998
1284	2	1.74	7	409	853	0.008	58.43	0.48	1.167	0.99999
1285	2	7.22	368	79,672	1,077	0.342	216.50	73.98	1.022	0.99829
1311	3	2.25	3	135	265	0.011	45.00	0.51	1.000	0.99999
1312	6	6.87	39	2,702	912	0.043	69.28	2.96	1.083	0.99993
1452	3	2.07	16	709	449	0.036	44.31	1.58	1.143	0.99996
1453	4	15.39	11	1,211	1,790	0.006	110.09	0.68	1.000	0.99998
1454	2	0.83	65	1,877	905	0.072	28.88	2.07	1.016	0.99995
1455	5	6.08	283	22,943	1,835	0.154	81.07	12.50	1.000	0.99971
1523	8	22.42	142	22,660	702	0.202	159.58	32.28	1.291	0.99925
1841	6	7.10	93	6,319	602	0.154	67.95	10.50	1.022	0.99976
1842	1	1.38	1	83	273	0.004	83.00	0.30	1.000	0.99999
1843	1	0.70	54	2,268	1,066	0.051	42.00	2.13	1.000	0.99995
2051	1	3.92	160	37,600	160	1.000	235.00	235.00	1.000	0.99456
2091	1	1.28	1	77	865	0.001	77.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2092	2	3.25	2	195	899	0.002	97.50	0.22	1.000	0.99999
2171	2	1.51	68	3,391	550	0.124	49.87	6.17	1.015	0.99986
2172	1	1.50	218	19,620	217	1.005	90.00	90.41	1.000	0.99791
2211	1	0.73	16	704	721	0.022	44.00	0.98	1.000	0.99998
2212	6	9.74	27	2,920	1,255	0.022	108.15	2.33	1.080	0.99995
2621	2	5.01	158	28,693	1,126	0.140	181.60	25.48	1.006	0.99941
2921	1	3.75	1	225	402	0.002	225.00	0.56	1.000	0.99999
2951	8	15.28	510	35,623	1,360	0.375	69.85	26.19	1.041	0.99939
2961	1	2.75	1	165	649	0.002	165.00	0.25	1.000	0.99999
3121	5	8.78	110	10,922	1,072	0.103	99.29	10.19	1.009	0.99976
3122	2	2.73	2	164	838	0.002	82.00	0.20	1.000	0.99999
3123	2	1.31	41	1,552	1,024	0.040	37.85	1.52	1.000	0.99996
3181	1	1.85	1	111	706	0.001	111.00	0.16	1.000	0.99999
3221	6	5.02	183	9,529	1,224	0.150	52.07	7.79	1.017	0.99982
3232	1	1.00	1	60	419	0.002	60.00	0.14	1.000	0.99999
3304	5	4.82	1,156	70,347	974	1.187	60.85	72.22	1.128	0.99833
3311	3	1.85	45	1,980	500	0.090	44.00	3.96	1.000	0.99991
3315	1	1.35	1	81	1,562	0.001	81.00	0.05	1.000	0.99999
3422	2	4.70	22	4,322	963	0.023	196.45	4.49	1.000	0.99990
3423	1	0.53	3	96	379	0.008	32.00	0.25	1.000	0.99999
3471	2	3.20	165	18,611	162	1.019	112.79	114.88	1.006	0.99734
3472	8	8.90	230	8,462	1,545	0.149	36.79	5.48	1.041	0.99987

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	3	2.62	48	2,686	1,006	0.048	55.96	2.67	1.000	0.99994
3552	5	5.09	48	3,654	570	0.084	76.13	6.41	1.021	0.99985
3553	2	1.18	11	386	1,020	0.011	35.09	0.38	1.000	0.99999
3591	5	5.06	48	3,006	1,119	0.043	62.63	2.69	1.000	0.99994
3593	2	7.68	47	10,011	929	0.051	213.00	10.78	1.000	0.99975
3594	1	1.50	144	12,960	622	0.232	90.00	20.84	1.000	0.99952
3621	9	18.61	75	10,639	1,550	0.048	141.85	6.86	1.000	0.99984
3661	5	12.63	145	14,820	1,101	0.132	102.21	13.46	1.007	0.99969
3662	2	3.06	7	884	1,130	0.006	126.29	0.78	1.000	0.99998
3663	7	8.69	73	3,228	776	0.094	44.22	4.16	1.090	0.99990
3675	1	0.98	23	1,357	315	0.073	59.00	4.31	1.000	0.99990
3691	1	0.65	13	507	1,138	0.011	39.00	0.45	1.000	0.99999
3692	1	1.15	7	483	402	0.017	69.00	1.20	1.000	0.99997
3693	2	2.50	21	1,632	183	0.115	77.71	8.92	1.000	0.99979
3701	2	2.05	22	1,703	473	0.047	77.41	3.60	1.048	0.99992
3702	2	3.72	14	1,123	594	0.024	80.21	1.89	1.077	0.99996
3751	5	3.48	96	4,137	855	0.112	43.09	4.84	1.091	0.99989
3871	11	18.30	95	6,316	1,362	0.070	66.48	4.64	1.033	0.99989
3872	4	12.51	5	810	1,146	0.004	162.00	0.71	1.000	0.99998
3873	1	0.72	43	1,849	787	0.055	43.00	2.35	1.000	0.99995
3878	3	2.25	56	1,971	772	0.073	35.20	2.55	1.018	0.99994
3891	1	1.47	13	1,144	418	0.031	88.00	2.74	1.000	0.99994



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3892	2	8.72	2	523	462	0.004	261.50	1.13	1.000	0.99997
3893	12	14.30	152	10,770	1,080	0.141	70.86	9.97	1.078	0.99977
3894	2	3.02	128	7,510	112	1.143	58.67	67.05	1.208	0.99845
3901	3	10.43	953	240,876	861	1.107	252.76	279.76	1.120	0.99352
3913	3	2.82	239	7,839	945	0.253	32.80	8.30	1.026	0.99981
3914	4	3.60	108	5,516	645	0.167	51.07	8.55	1.174	0.99980
3951	2	2.96	62	4,978	1,072	0.058	80.29	4.64	1.016	0.99989
3952	2	3.43	5	518	374	0.013	103.60	1.39	1.000	0.99997
3971	3	5.08	31	3,057	649	0.048	98.61	4.71	1.000	0.99989
3981	3	4.75	49	2,979	1,371	0.036	60.80	2.17	1.021	0.99995
3982	10	9.45	171	6,537	1,745	0.098	38.23	3.75	1.012	0.99991
3991	9	9.97	415	58,200	711	0.584	140.24	81.86	1.010	0.99811
402	1	3.20	1	192	107	0.009	192.00	1.79	1.000	0.99996
4031	9	8.73	217	16,912	693	0.313	77.94	24.40	1.064	0.99944
406	1	2.17	1	130	70	0.014	130.00	1.86	1.000	0.99996
4091	3	2.42	44	1,342	1,134	0.039	30.50	1.18	1.048	0.99997
4092	1	0.68	1	41	417	0.002	41.00	0.10	1.000	0.99999
4101	1	1.38	43	3,569	578	0.074	83.00	6.17	1.000	0.99986
4102	5	4.51	28	1,617	894	0.031	57.75	1.81	1.037	0.99996
4131	2	3.00	2	180	858	0.002	90.00	0.21	1.000	0.99999
4133	2	2.76	29	2,407	473	0.061	83.00	5.09	1.000	0.99988
4134	1	0.87	10	520	828	0.012	52.00	0.63	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	2	4.00	21	2,541	583	0.036	121.00	4.36	1.000	0.99990
4151	9	15.77	564	46,427	1,225	0.460	82.32	37.90	1.142	0.99912
4153	2	4.14	35	3,350	1,280	0.027	95.71	2.62	1.000	0.99994
4155	3	6.54	21	1,832	2,037	0.010	87.24	0.90	1.050	0.99998
4171	3	2.46	55	2,514	834	0.066	45.71	3.01	1.078	0.99993
4172	8	8.01	193	11,406	1,657	0.116	59.10	6.88	1.032	0.99984
4181	1	0.58	40	1,400	475	0.084	35.00	2.95	1.000	0.99993
4182	3	3.18	50	4,217	997	0.050	84.34	4.23	1.000	0.99990
4211	2	3.29	47	4,043	660	0.071	86.02	6.13	1.000	0.99986
4212	4	11.07	121	14,553	798	0.152	120.27	18.24	1.025	0.99958
4221	1	0.97	9	522	477	0.019	58.00	1.09	1.000	0.99997
4223	2	0.75	56	1,179	1,697	0.033	21.05	0.69	1.018	0.99998
4224	2	7.71	38	4,792	750	0.051	126.11	6.39	1.027	0.99985
4302	6	13.82	413	54,110	1,023	0.404	131.02	52.89	1.017	0.99878
4303	2	1.07	26	832	807	0.032	32.00	1.03	1.000	0.99998
4311	1	0.53	18	576	988	0.018	32.00	0.58	1.000	0.99999
4312	1	0.48	12	348	976	0.012	29.00	0.36	1.000	0.99999
4313	3	2.72	35	1,731	544	0.064	49.46	3.18	1.029	0.99993
4324	3	2.07	40	2,640	1,132	0.035	66.00	2.33	1.053	0.99995
4334	1	0.63	1	38	299	0.003	38.00	0.13	1.000	0.99999
4341	11	14.35	139	6,266	1,716	0.081	45.08	3.65	1.045	0.99992
4342	5	7.25	88	6,376	1,696	0.052	72.45	3.76	1.048	0.99991

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4343	1	2.08	1	125	1,012	0.001	125.00	0.12	1.000	0.99999
4361	6	6.75	1,745	144,159	1,632	1.069	82.61	88.33	1.121	0.99796
4362	6	8.66	934	87,206	810	1.153	93.37	107.66	1.181	0.99751
4363	11	23.15	1,722	144,878	1,563	1.102	84.13	92.69	1.101	0.99785
4371	4	4.32	34	2,480	1,516	0.022	72.94	1.64	1.030	0.99996
4372	4	3.76	68	4,092	420	0.162	60.18	9.74	1.133	0.99977
4373	3	4.84	33	3,230	746	0.044	97.88	4.33	1.000	0.99990
4385	4	5.14	4	308	1,104	0.004	77.00	0.28	1.000	0.99999
4431	9	15.00	63	6,007	1,338	0.047	95.35	4.49	1.086	0.99990
4432	2	4.63	19	2,842	440	0.043	149.58	6.46	1.000	0.99985
4601	5	9.80	59	5,286	405	0.146	89.59	13.05	1.035	0.99970
4602	6	8.01	95	4,190	932	0.102	44.11	4.50	1.033	0.99990
5601	2	4.34	6	1,128	1,139	0.005	188.00	0.99	1.000	0.99998
5602	2	2.15	36	2,322	560	0.064	64.50	4.15	1.000	0.99990
5603	2	2.83	81	8,623	1,241	0.065	106.46	6.95	1.013	0.99984
6141	6	9.94	1,133	165,058	614	1.845	145.68	268.82	1.485	0.99378
6142	1	0.93	38	2,128	297	0.128	56.00	7.16	1.000	0.99983
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	477	700.19	18,548	1,730,137	157,732	0.118	93.28	10.97	1.082	0.99975

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
7/1/2012 to 7/31/2012  
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	1	102	1,413	0.001	102.00	0.07	1.000	0.99999
1051	1	0.88	5	265	1,062	0.005	53.00	0.25	1.000	0.99999
1082	7	9.33	78	5,494	1,287	0.061	70.44	4.27	1.026	0.99990
1091	1	0.78	1	47	1,633	0.001	47.00	0.03	1.000	0.99999
1092	1	1.05	56	3,528	1,172	0.048	63.00	3.01	1.000	0.99993
1093	2	6.22	261	69,340	226	1.155	265.67	306.81	1.165	0.99313
1094	7	6.68	52	2,481	1,095	0.047	47.71	2.27	1.000	0.99995
1101	7	11.78	397	40,394	965	0.411	101.75	41.86	1.013	0.99906
1102	2	1.14	59	2,006	624	0.095	34.00	3.21	1.000	0.99993
1141	1	1.05	1	63	899	0.001	63.00	0.07	1.000	0.99999
1211	3	4.09	129	9,543	1,463	0.088	73.98	6.52	1.016	0.99985
1212	1	2.35	1	141	320	0.003	141.00	0.44	1.000	0.99999
1213	4	4.32	4	259	541	0.007	64.75	0.48	1.000	0.99999
1230	4	2.63	46	2,038	1,101	0.042	44.30	1.85	1.000	0.99996
1232	2	7.37	13	1,300	1,174	0.011	100.00	1.11	1.000	0.99998
1233	1	1.80	24	2,592	638	0.038	108.00	4.06	1.000	0.99991
1241	2	3.12	23	2,153	832	0.028	93.61	2.59	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	2	2.92	12	1,085	1,182	0.010	90.42	0.92	1.000	0.99998
1262	2	4.37	12	1,342	2,123	0.006	111.83	0.63	1.091	0.99999
1263	1	0.68	25	1,025	992	0.025	41.00	1.03	1.000	0.99998
1265	4	7.82	84	15,045	1,262	0.067	179.11	11.92	1.024	0.99973
1271	7	5.87	7	352	922	0.008	50.29	0.38	1.000	0.99999
1273	7	7.81	105	12,939	864	0.122	123.23	14.98	1.010	0.99966
1282	3	8.92	61	7,427	908	0.067	121.75	8.18	1.000	0.99982
1284	1	0.72	12	516	853	0.014	43.00	0.60	1.000	0.99999
1311	3	3.36	3	201	265	0.011	67.00	0.76	1.000	0.99998
1312	7	8.33	47	3,143	912	0.052	66.87	3.45	1.068	0.99992
1452	3	4.97	453	69,304	449	1.009	152.99	154.35	1.049	0.99654
1455	2	3.85	9	1,295	1,835	0.005	143.89	0.71	1.000	0.99998
1523	1	1.80	7	756	702	0.010	108.00	1.08	1.000	0.99998
1841	8	11.72	108	11,342	602	0.179	105.02	18.84	1.029	0.99958
1842	2	2.15	2	129	273	0.007	64.50	0.47	1.000	0.99999
1843	4	5.46	183	8,841	1,066	0.172	48.31	8.29	1.011	0.99981
2051	2	3.67	5	718	160	0.031	143.60	4.49	1.000	0.99990
2091	2	2.19	185	12,851	865	0.214	69.46	14.86	1.063	0.99967
2092	7	11.31	33	3,371	899	0.037	102.15	3.75	1.065	0.99992
2171	1	1.15	22	1,518	550	0.040	69.00	2.76	1.000	0.99994
2172	2	4.53	2	272	217	0.009	136.00	1.25	1.000	0.99997
2211	2	2.40	26	1,344	721	0.036	51.69	1.86	1.040	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2212	5	6.48	99	12,192	1,255	0.079	123.15	9.71	1.031	0.99978
2621	4	4.28	1,125	72,096	1,126	0.999	64.09	64.03	1.010	0.99857
2921	6	31.54	294	55,916	402	0.731	190.19	139.09	2.430	0.99688
2951	10	29.97	2,841	468,258	1,360	2.089	164.82	344.31	2.151	0.99229
2952	1	5.17	127	39,370	151	0.841	310.00	260.73	1.000	0.99416
2961	5	8.81	136	19,506	649	0.210	143.43	30.06	1.766	0.99933
3082	1	2.05	23	2,829	321	0.072	123.00	8.81	1.000	0.99980
3121	4	4.00	27	1,459	1,072	0.025	54.04	1.36	1.038	0.99997
3122	2	2.33	19	1,470	838	0.023	77.37	1.75	1.000	0.99996
3123	1	1.02	25	1,525	1,024	0.024	61.00	1.49	1.000	0.99997
3181	2	3.23	2	194	706	0.003	97.00	0.27	1.000	0.99999
3221	3	4.31	8	964	1,224	0.007	120.50	0.79	1.143	0.99998
3222	6	114.70	19	9,794	759	0.025	515.47	12.90	1.000	0.99971
3231	6	5.42	20	1,417	407	0.049	70.85	3.48	1.176	0.99992
3232	1	0.83	15	750	419	0.036	50.00	1.79	1.000	0.99996
3304	4	3.94	124	9,590	974	0.127	77.34	9.85	1.192	0.99978
3311	4	7.68	448	73,545	500	0.896	164.16	147.09	1.179	0.99670
3312	5	16.55	35	5,796	1,167	0.030	165.60	4.97	1.000	0.99989
3313	1	1.38	16	1,328	928	0.017	83.00	1.43	1.000	0.99997
3315	3	7.46	3	448	1,562	0.002	149.33	0.29	1.000	0.99999
3422	2	5.45	2	327	963	0.002	163.50	0.34	1.000	0.99999
3423	3	29.57	42	18,610	379	0.111	443.10	49.10	1.000	0.99890

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3472	8	6.50	14	713	1,545	0.009	50.93	0.46	1.000	0.99999
3551	1	1.38	43	3,569	1,006	0.043	83.00	3.55	1.000	0.99992
3553	3	4.41	56	5,624	1,020	0.055	100.43	5.51	1.000	0.99988
3591	7	5.14	66	3,702	1,119	0.059	56.09	3.31	1.031	0.99993
3592	2	1.61	20	1,267	1,680	0.012	63.35	0.75	1.000	0.99998
3593	8	10.14	469	32,910	929	0.505	70.17	35.43	1.022	0.99921
3594	2	1.37	196	7,676	622	0.315	39.16	12.34	1.000	0.99972
3621	6	7.61	44	1,788	1,550	0.028	40.64	1.15	1.048	0.99997
3661	5	8.38	78	5,910	1,101	0.071	75.77	5.37	1.026	0.99988
3662	3	6.27	60	10,006	1,130	0.053	166.77	8.85	1.017	0.99980
3663	4	4.67	60	3,304	776	0.077	55.07	4.26	1.053	0.99990
3671	2	0.98	1,409	42,269	1,397	1.009	30.00	30.26	1.001	0.99932
3675	5	2.09	71	1,242	315	0.225	17.49	3.94	1.000	0.99991
3691	4	3.23	64	3,188	1,138	0.056	49.81	2.80	1.000	0.99994
3702	2	2.75	31	1,731	594	0.052	55.84	2.91	1.033	0.99993
3751	5	3.88	87	4,465	855	0.102	51.32	5.22	1.381	0.99988
3871	3	8.31	187	11,025	1,362	0.137	58.96	8.09	1.005	0.99982
3872	4	5.80	113	8,022	1,146	0.099	70.99	7.00	1.000	0.99984
3878	5	6.97	119	10,137	772	0.154	85.18	13.13	1.053	0.99971
3891	1	1.67	34	3,400	418	0.081	100.00	8.13	1.000	0.99982
3893	13	13.18	151	16,434	1,080	0.140	108.83	15.22	1.041	0.99966
3901	1	1.18	38	2,698	861	0.044	71.00	3.13	1.000	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3903	1	1.72	104	10,712	286	0.364	103.00	37.45	1.000	0.99916
3913	3	2.45	83	4,398	945	0.088	52.99	4.65	1.012	0.99990
3914	1	2.28	36	4,932	645	0.056	137.00	7.65	1.000	0.99983
3951	5	10.18	86	14,594	1,072	0.080	169.70	13.61	1.089	0.99970
3971	3	5.34	20	2,479	649	0.031	123.95	3.82	1.053	0.99991
3981	8	8.07	98	5,552	1,371	0.071	56.65	4.05	1.054	0.99991
3982	3	2.19	156	9,433	1,745	0.089	60.47	5.41	1.026	0.99988
3991	1	3.72	12	2,676	711	0.017	223.00	3.76	1.000	0.99992
3992	1	2.25	22	2,970	162	0.136	135.00	18.33	1.000	0.99959
402	1	1.50	1	90	107	0.009	90.00	0.84	1.000	0.99998
403	1	1.20	11	792	261	0.042	72.00	3.03	1.000	0.99993
4031	10	15.28	193	18,539	693	0.278	96.06	26.75	1.038	0.99940
4091	1	0.73	1	44	1,134	0.001	44.00	0.04	1.000	0.99999
4101	2	2.53	68	5,024	578	0.118	73.88	8.69	1.000	0.99981
4102	2	4.48	30	2,514	894	0.034	83.80	2.81	1.000	0.99994
4131	1	0.40	10	240	858	0.012	24.00	0.28	1.000	0.99999
4133	1	1.57	1	94	473	0.002	94.00	0.20	1.000	0.99999
4134	2	3.09	11	1,247	828	0.013	113.36	1.51	1.000	0.99997
4152	2	2.16	74	4,810	781	0.095	65.00	6.16	1.138	0.99986
4153	1	1.25	1	75	1,280	0.001	75.00	0.06	1.000	0.99999
4155	6	9.82	52	4,191	2,037	0.026	80.60	2.06	1.083	0.99995
4171	4	4.74	83	3,970	834	0.100	47.83	4.76	1.051	0.99989



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	14	26.26	1,995	168,775	1,657	1.204	84.60	101.86	1.191	0.99772
4181	2	1.12	41	1,159	475	0.086	28.27	2.44	1.000	0.99995
4182	3	3.29	60	2,282	997	0.060	38.03	2.29	1.000	0.99995
4211	1	0.65	12	468	660	0.018	39.00	0.71	1.000	0.99998
4212	2	4.88	21	4,254	798	0.026	202.57	5.33	1.105	0.99988
4221	3	4.46	94	11,982	477	0.197	127.47	25.12	1.033	0.99944
4223	5	6.31	125	7,352	1,697	0.074	58.82	4.33	1.000	0.99990
4224	1	2.48	56	8,344	750	0.075	149.00	11.13	1.000	0.99975
4302	3	3.53	180	11,097	1,023	0.176	61.65	10.85	1.006	0.99976
4303	5	8.53	90	6,716	807	0.112	74.62	8.32	1.023	0.99981
4311	1	0.70	10	420	988	0.010	42.00	0.43	1.000	0.99999
4312	2	1.62	38	1,458	976	0.039	38.37	1.49	1.000	0.99997
4313	2	2.41	5	313	544	0.009	62.60	0.58	1.000	0.99999
4324	5	10.59	124	18,668	1,132	0.110	150.55	16.49	1.016	0.99963
4331	1	0.60	1	36	682	0.001	36.00	0.05	1.000	0.99999
4341	13	15.02	410	24,321	1,716	0.239	59.32	14.17	1.030	0.99968
4342	2	1.43	1,726	97,878	1,696	1.018	56.71	57.71	1.011	0.99871
4343	3	4.72	105	7,778	1,012	0.104	74.08	7.69	1.129	0.99983
4361	2	2.02	8	469	1,632	0.005	58.63	0.29	1.000	0.99999
4363	2	1.81	135	6,633	1,563	0.086	49.13	4.24	1.000	0.99990
4371	5	6.41	43	2,933	1,516	0.028	68.21	1.93	1.075	0.99996
4372	9	13.22	530	52,755	420	1.262	99.54	125.61	3.136	0.99719

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4373	1	1.02	16	976	746	0.021	61.00	1.31	1.000	0.99997
4381	2	4.97	282	42,578	303	0.931	150.99	140.52	1.004	0.99685
4385	1	2.62	109	17,113	1,104	0.099	157.00	15.50	1.000	0.99965
4431	3	8.29	35	12,274	1,338	0.026	350.69	9.17	1.000	0.99979
4432	3	4.12	22	2,242	440	0.050	101.91	5.10	1.000	0.99989
4511	5	5.78	189	12,390	1,115	0.170	65.56	11.11	1.005	0.99975
4512	1	0.20	1	12	920	0.001	12.00	0.01	1.000	0.99999
4513	1	0.55	1	33	607	0.002	33.00	0.05	1.000	0.99999
453	1	0.77	1	46	129	0.008	46.00	0.36	1.000	0.99999
4601	3	5.50	30	2,706	405	0.074	90.20	6.68	1.034	0.99985
4602	2	2.90	46	4,198	932	0.049	91.26	4.50	1.000	0.99990
5601	2	9.58	108	14,238	1,139	0.095	131.83	12.50	1.009	0.99972
5602	2	2.38	114	6,863	560	0.204	60.20	12.26	1.009	0.99973
5603	4	3.73	296	15,352	1,241	0.239	51.86	12.37	1.021	0.99972
5641	1	1.70	1	102	238	0.004	102.00	0.43	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	471	839.10	19,627	1,941,616	157,732	0.124	98.93	12.31	1.166	0.99972

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
8/1/2012 to 8/31/2012  
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	0.62	68	2,516	1,413	0.048	37.00	1.78	1.000	0.99996
1052	2	13.40	550	221,100	288	1.910	402.00	767.71	2.000	0.98280
1082	5	8.18	53	3,724	1,287	0.041	70.26	2.89	1.000	0.99994
1091	4	7.16	38	1,687	1,633	0.023	44.39	1.03	1.056	0.99998
1092	3	1.98	86	3,574	1,172	0.073	41.56	3.05	1.000	0.99993
1094	7	8.94	108	8,938	1,095	0.099	82.76	8.16	1.459	0.99982
1101	1	1.03	97	6,014	965	0.101	62.00	6.23	1.000	0.99986
1102	3	2.87	84	4,894	624	0.135	58.26	7.84	1.000	0.99982
1142	1	0.43	1	26	213	0.005	26.00	0.12	1.000	0.99999
1211	6	11.34	1,659	192,479	1,463	1.134	116.02	131.56	1.135	0.99705
1212	1	1.40	1	84	320	0.003	84.00	0.26	1.000	0.99999
1213	2	2.07	2	124	541	0.004	62.00	0.23	1.000	0.99999
1241	3	7.13	133	12,945	832	0.160	97.33	15.56	1.099	0.99965
1242	1	0.73	48	2,112	669	0.072	44.00	3.16	1.000	0.99993
1243	4	6.13	84	6,090	1,182	0.071	72.50	5.15	1.024	0.99988
1261	1	0.37	1	22	385	0.003	22.00	0.06	1.000	0.99999
1262	2	20.23	2	1,214	2,123	0.001	607.00	0.57	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	7.74	1,070	56,551	992	1.079	52.85	57.01	1.105	0.99872
1265	2	1.34	66	3,648	1,262	0.052	55.27	2.89	1.000	0.99994
1271	5	3.06	5	184	922	0.005	36.80	0.20	1.000	0.99999
1273	6	28.54	79	13,262	864	0.091	167.87	15.35	1.026	0.99966
1281	1	1.32	1	79	107	0.009	79.00	0.74	1.000	0.99998
1282	4	5.62	283	26,740	908	0.312	94.49	29.45	1.029	0.99934
1284	1	0.62	22	814	853	0.026	37.00	0.95	1.000	0.99998
1285	2	1.65	1,094	44,871	1,077	1.016	41.02	41.66	1.001	0.99907
1286	1	0.52	46	1,426	44	1.045	31.00	32.41	1.000	0.99927
1311	1	1.58	1	95	265	0.004	95.00	0.36	1.000	0.99999
1451	1	0.93	1	56	612	0.002	56.00	0.09	1.000	0.99999
1452	4	4.88	4	293	449	0.009	73.25	0.65	1.333	0.99999
1453	2	2.17	11	1,084	1,790	0.006	98.55	0.61	1.000	0.99999
1455	7	5.67	207	8,490	1,835	0.113	41.01	4.63	1.000	0.99990
1521	2	6.67	54	4,498	352	0.153	83.30	12.78	1.000	0.99971
1523	1	1.45	1	87	702	0.001	87.00	0.12	1.000	0.99999
1841	2	2.30	9	670	602	0.015	74.44	1.11	1.000	0.99998
1842	1	0.63	213	8,094	273	0.780	38.00	29.65	1.000	0.99934
1843	1	5.63	19	6,422	1,066	0.018	338.00	6.02	1.000	0.99987
2091	1	1.45	1	87	865	0.001	87.00	0.10	1.000	0.99999
2092	2	3.37	10	858	899	0.011	85.80	0.95	1.000	0.99998
2172	1	1.28	23	1,771	217	0.106	77.00	8.16	1.000	0.99982

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2211	6	5.73	784	60,170	721	1.087	76.75	83.45	1.077	0.99813
2212	3	3.96	1,269	90,237	1,255	1.011	71.11	71.90	1.039	0.99839
2511	1	3.07	594	109,296	607	0.979	184.00	180.06	1.000	0.99597
2621	15	84.56	593	201,773	1,126	0.527	340.26	179.19	1.015	0.99599
2921	1	2.13	1	128	402	0.002	128.00	0.32	1.000	0.99999
2951	5	14.69	1,328	61,989	1,360	0.976	46.68	45.58	1.005	0.99898
2961	1	6.55	57	22,401	649	0.088	393.00	34.52	1.000	0.99923
3081	2	2.23	29	2,375	563	0.052	81.90	4.22	1.036	0.99991
3121	5	17.00	19	1,562	1,072	0.018	82.21	1.46	1.188	0.99997
3122	1	1.17	69	4,830	838	0.082	70.00	5.76	1.000	0.99987
3221	7	15.51	199	10,051	1,224	0.163	50.51	8.21	1.036	0.99982
3222	5	11.96	18	3,890	759	0.024	216.11	5.13	1.000	0.99989
3304	4	5.46	4	327	974	0.004	81.75	0.34	1.333	0.99999
3311	2	9.48	82	24,254	500	0.164	295.78	48.51	1.000	0.99891
3312	1	0.53	1	32	1,167	0.001	32.00	0.03	1.000	0.99999
3313	1	7.40	1	444	928	0.001	444.00	0.48	1.000	0.99999
3314	3	5.67	22	2,347	222	0.099	106.68	10.57	1.000	0.99976
3315	1	2.40	4	576	1,562	0.003	144.00	0.37	1.000	0.99999
3422	1	1.45	5	435	963	0.005	87.00	0.45	1.000	0.99999
3423	2	1.68	19	641	379	0.050	33.74	1.69	1.000	0.99996
3471	1	0.82	6	294	162	0.037	49.00	1.81	1.000	0.99996
3472	11	11.06	167	10,406	1,545	0.108	62.31	6.74	1.025	0.99985

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	2	2.55	34	2,601	1,006	0.034	76.50	2.59	1.000	0.99994
3552	5	5.55	5	333	570	0.009	66.60	0.58	1.000	0.99999
3553	2	2.02	2	121	1,020	0.002	60.50	0.12	1.000	0.99999
3591	9	3.77	88	3,201	1,119	0.079	36.38	2.86	1.073	0.99994
3592	5	10.19	36	1,266	1,680	0.021	35.17	0.75	1.000	0.99998
3594	3	5.81	27	3,053	622	0.043	113.07	4.91	1.038	0.99989
3621	5	11.30	291	52,839	1,550	0.188	181.58	34.09	1.062	0.99924
3661	3	14.12	54	19,359	1,101	0.049	358.50	17.58	1.038	0.99961
3662	2	3.46	205	17,501	1,130	0.181	85.37	15.49	1.000	0.99965
3663	2	1.49	39	1,170	776	0.050	30.00	1.51	1.000	0.99997
3671	3	2.07	100	4,404	1,397	0.072	44.04	3.15	1.163	0.99993
3675	1	0.30	1	18	315	0.003	18.00	0.06	1.000	0.99999
3691	3	5.78	31	3,767	1,138	0.027	121.52	3.31	1.192	0.99993
3692	6	9.54	75	4,781	402	0.187	63.75	11.89	2.679	0.99973
3701	2	7.92	23	6,712	473	0.049	291.83	14.19	1.000	0.99968
3702	10	14.14	132	9,188	594	0.222	69.61	15.47	1.048	0.99965
3751	5	17.37	34	7,211	855	0.040	212.09	8.43	1.360	0.99981
3871	3	4.90	38	1,134	1,362	0.028	29.84	0.83	1.000	0.99998
3872	2	0.78	41	931	1,146	0.036	22.71	0.81	1.000	0.99998
3878	2	1.55	25	1,289	772	0.032	51.56	1.67	1.000	0.99996
3891	4	4.86	47	4,698	418	0.112	99.96	11.24	1.044	0.99975
3893	12	12.24	23	1,546	1,080	0.021	67.22	1.43	1.150	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3894	1	1.77	6	636	112	0.054	106.00	5.68	1.000	0.99987
3901	3	3.35	3	201	861	0.003	67.00	0.23	1.000	0.99999
3902	2	2.55	21	1,458	97	0.216	69.43	15.03	1.000	0.99966
3903	1	1.88	1	113	286	0.003	113.00	0.40	1.000	0.99999
3912	3	8.68	10	1,184	538	0.019	118.40	2.20	1.111	0.99995
3913	4	9.31	307	34,396	945	0.325	112.04	36.40	1.023	0.99918
3914	5	6.18	64	3,281	645	0.099	51.27	5.09	1.306	0.99989
3951	9	15.27	189	13,344	1,072	0.176	70.60	12.45	1.016	0.99972
3952	3	10.30	17	5,084	374	0.045	299.06	13.59	1.000	0.99970
3971	2	19.66	663	699,789	649	1.022	1055.49	1078.26	1.012	0.97585
3981	9	26.30	108	22,962	1,371	0.079	212.61	16.75	1.080	0.99962
3982	1	0.98	96	5,664	1,745	0.055	59.00	3.25	1.000	0.99993
3991	14	12.64	50	2,691	711	0.070	53.82	3.78	1.000	0.99992
403	1	0.53	1	32	261	0.004	32.00	0.12	1.000	0.99999
4031	8	24.55	747	512,725	693	1.078	686.38	739.86	1.078	0.98343
4102	4	14.84	12	1,958	894	0.013	163.17	2.19	1.000	0.99995
4131	2	7.90	3	676	858	0.003	225.33	0.79	1.000	0.99998
4134	1	3.58	42	9,030	828	0.051	215.00	10.91	1.000	0.99976
4142	4	9.82	606	75,445	583	1.039	124.50	129.41	1.050	0.99710
4151	2	205,688.59	2	12,341,315	1,225	0.002	6170657	10074.5	1.000	0.77432
4152	4	8.20	104	9,726	781	0.133	93.52	12.45	1.625	0.99972
4153	2	3.71	15	1,302	1,280	0.012	86.80	1.02	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	12	17.82	232	22,872	1,657	0.140	98.59	13.80	1.478	0.99969
4173	3	14.42	93	31,615	612	0.152	339.95	51.66	2.163	0.99884
4181	1	0.33	6	120	475	0.013	20.00	0.25	1.000	0.99999
4182	3	3.29	3	198	997	0.003	66.00	0.20	1.000	0.99999
4211	1	12.15	12	8,748	660	0.018	729.00	13.25	1.000	0.99970
4212	4	5.10	87	7,294	798	0.109	83.84	9.14	1.673	0.99980
4221	1	0.52	1	31	477	0.002	31.00	0.06	1.000	0.99999
4223	2	3.68	72	7,180	1,697	0.042	99.72	4.23	1.000	0.99991
4224	2	3.18	29	2,108	750	0.039	72.69	2.81	1.036	0.99994
4302	1	1.97	1	118	1,023	0.001	118.00	0.12	1.000	0.99999
4303	2	5.50	22	3,630	807	0.027	165.00	4.50	1.000	0.99990
4311	2	1.44	2	86	988	0.002	43.00	0.09	2.000	0.99999
4312	1	0.75	21	945	976	0.022	45.00	0.97	1.000	0.99998
4313	13	5.87	152	4,948	544	0.279	32.55	9.10	1.134	0.99980
4324	4	4.68	138	9,426	1,132	0.122	68.30	8.33	2.000	0.99981
4331	1	1.82	12	1,308	682	0.018	109.00	1.92	1.000	0.99996
4332	1	2.93	1	176	300	0.003	176.00	0.59	1.000	0.99999
4333	1	1.15	1	69	547	0.002	69.00	0.13	1.000	0.99999
4341	4	16.61	22	1,681	1,716	0.013	76.41	0.98	1.158	0.99998
4342	2	4.02	2	241	1,696	0.001	120.50	0.14	1.000	0.99999
4343	11	33.53	136	29,661	1,012	0.134	218.10	29.31	1.063	0.99934
4361	4	6.85	70	5,255	1,632	0.043	75.07	3.22	1.029	0.99993



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4362	2	1.86	24	1,344	810	0.030	56.00	1.66	1.000	0.99996
4363	2	1.18	36	1,278	1,563	0.023	35.50	0.82	1.000	0.99998
4371	8	11.81	177	15,712	1,516	0.117	88.77	10.36	2.360	0.99977
4372	4	9.31	69	10,040	420	0.164	145.51	23.90	1.816	0.99946
4373	3	9.21	54	16,773	746	0.072	310.61	22.48	1.102	0.99950
4385	1	1.13	1	68	1,104	0.001	68.00	0.06	1.000	0.99999
4386	1	2.25	218	29,430	1,646	0.132	135.00	17.88	1.000	0.99960
4431	8	18.37	31	3,789	1,338	0.023	122.23	2.83	1.069	0.99994
4432	2	5.67	434	76,804	440	0.986	176.97	174.55	1.002	0.99609
4601	4	4.81	34	1,438	405	0.084	42.29	3.55	1.030	0.99992
4602	3	2.19	155	6,964	932	0.166	44.93	7.47	1.000	0.99983
5601	1	0.35	14	294	1,139	0.012	21.00	0.26	1.000	0.99999
5602	3	2.53	37	2,175	560	0.066	58.78	3.88	1.000	0.99991
5603	1	0.42	17	425	1,241	0.014	25.00	0.34	1.000	0.99999
6141	3	7.55	231	65,725	614	0.376	284.52	107.04	1.000	0.99760
6142	3	9.11	136	29,083	297	0.458	213.85	97.92	1.000	0.99781
6144	1	1.42	1	85	313	0.003	85.00	0.27	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	480	206,656.02	18,708	15,545,353	157,732	0.119	830.95	98.56	1.081	0.99779

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
9/1/2012 to 9/30/2012  
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.30	2	78	1,413	0.001	39.00	0.06	1.000	0.99999
1051	1	0.58	23	805	1,062	0.022	35.00	0.76	1.000	0.99998
1052	3	2.93	11	1,040	288	0.038	94.55	3.61	1.000	0.99992
1082	4	7.37	130	13,199	1,287	0.101	101.53	10.26	1.016	0.99976
1091	14	35.70	1,655	199,451	1,633	1.013	120.51	122.14	1.049	0.99717
1092	9	23.47	123	14,315	1,172	0.105	116.38	12.21	1.034	0.99972
1093	5	13.99	56	9,236	226	0.248	164.93	40.87	1.057	0.99905
1094	4	12.01	158	25,229	1,095	0.144	159.68	23.04	1.000	0.99947
1101	4	3.05	57	2,621	965	0.059	45.98	2.72	1.036	0.99994
1102	5	7.66	73	6,472	624	0.117	88.66	10.37	1.000	0.99976
1141	1	1.20	28	2,016	899	0.031	72.00	2.24	1.000	0.99995
1142	2	1.50	6	320	213	0.028	53.33	1.50	1.200	0.99997
1211	8	13.82	109	24,975	1,463	0.075	229.13	17.07	1.000	0.99960
1212	5	19.97	7	2,126	320	0.022	303.71	6.64	1.167	0.99985
1213	10	27.19	800	70,359	541	1.479	87.95	130.05	1.307	0.99699
1230	5	17.83	1,126	68,952	1,101	1.023	61.24	62.63	1.058	0.99855
1232	6	26.09	140	31,753	1,174	0.119	226.81	27.05	1.029	0.99937

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1233	1	3.95	99	23,463	638	0.155	237.00	36.78	1.000	0.99915
1241	1	6.17	22	8,140	832	0.026	370.00	9.78	1.000	0.99977
1242	2	2.55	22	2,053	669	0.033	93.32	3.07	1.048	0.99993
1243	3	10.48	49	9,485	1,182	0.041	193.57	8.02	1.000	0.99981
1262	6	11.82	13	1,654	2,123	0.006	127.23	0.78	1.000	0.99998
1265	1	8.80	1	528	1,262	0.001	528.00	0.42	1.000	0.99999
1271	7	12.64	216	28,555	922	0.234	132.20	30.97	1.029	0.99928
1273	7	24.66	218	86,917	864	0.252	398.70	100.60	1.009	0.99767
1282	6	15.81	2,016	227,512	908	2.220	112.85	250.56	2.182	0.99420
1284	1	1.42	26	2,210	853	0.030	85.00	2.59	1.000	0.99994
1285	2	1.65	180	10,601	1,077	0.167	58.89	9.84	1.006	0.99977
1286	1	3.42	7	1,435	44	0.159	205.00	32.61	1.000	0.99925
1311	4	9.20	520	58,602	265	1.962	112.70	221.14	2.008	0.99488
1312	9	28.85	2,127	578,864	912	2.332	272.15	634.72	2.330	0.98531
1451	1	2.63	28	4,424	612	0.046	158.00	7.23	1.000	0.99983
1452	3	4.93	16	1,453	449	0.036	90.81	3.24	1.143	0.99993
1453	1	6.53	68	26,656	1,790	0.038	392.00	14.89	1.000	0.99966
1454	4	17.23	4	1,034	905	0.004	258.50	1.14	1.000	0.99997
1455	3	6.33	145	24,662	1,835	0.079	170.08	13.44	1.000	0.99969
1521	4	5.77	108	8,787	352	0.307	81.36	24.96	1.000	0.99942
1841	3	16.59	26	8,068	602	0.043	310.31	13.40	1.000	0.99969
1842	1	24.70	1	1,482	273	0.004	1482.00	5.43	1.000	0.99987

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1843	6	8.98	96	7,975	1,066	0.090	83.07	7.48	1.116	0.99983
2051	1	0.53	1	32	160	0.006	32.00	0.20	1.000	0.99999
2091	2	3.37	327	45,769	865	0.378	139.97	52.91	1.048	0.99878
2171	3	5.82	627	134,413	550	1.140	214.37	244.39	1.134	0.99434
2172	4	23.19	311	138,458	217	1.433	445.20	638.06	1.427	0.98523
2211	3	2.64	3	158	721	0.004	52.67	0.22	1.500	0.99999
2212	2	2.12	29	1,504	1,255	0.023	51.86	1.20	1.036	0.99997
2501	1	2.78	78	13,026	78	1.000	167.00	167.00	1.000	0.99613
2511	1	1.35	1	81	607	0.002	81.00	0.13	1.000	0.99999
2621	4	8.72	1,137	212,954	1,126	1.010	187.29	189.12	1.510	0.99562
2622	1	1.82	1	109	112	0.009	109.00	0.97	1.000	0.99998
2921	11	52.50	358	94,122	402	0.891	262.91	234.13	1.845	0.99458
2951	4	9.39	168	24,716	1,360	0.124	147.12	18.17	1.000	0.99958
2961	1	5.72	16	5,488	649	0.025	343.00	8.46	1.000	0.99980
3041	1	2.53	78	11,856	79	0.987	152.00	150.08	1.000	0.99653
3081	1	2.50	553	82,950	563	0.982	150.00	147.34	1.000	0.99659
3082	2	3.55	343	51,363	321	1.069	149.75	160.01	1.003	0.99630
3121	4	6.43	7	968	1,072	0.007	138.29	0.90	1.000	0.99998
3122	4	7.27	7	937	838	0.008	133.86	1.12	1.000	0.99997
3123	2	2.74	27	1,989	1,024	0.026	73.67	1.94	1.038	0.99996
3181	1	2.47	717	106,116	706	1.016	148.00	150.31	1.000	0.99652
3221	3	10.97	43	8,162	1,224	0.035	189.81	6.67	1.000	0.99985

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3222	4	5.98	15	1,601	759	0.020	106.73	2.11	1.000	0.99995
3231	2	10.60	27	12,886	407	0.066	477.26	31.66	1.038	0.99927
3232	2	3.35	21	2,095	419	0.050	99.76	5.00	1.000	0.99988
3301	1	0.97	8	464	205	0.039	58.00	2.26	1.000	0.99995
3302	1	0.70	62	2,604	833	0.074	42.00	3.13	1.000	0.99993
3304	3	4.46	1,190	172,799	974	1.222	145.21	177.41	1.161	0.99589
3311	2	15.97	2	958	500	0.004	479.00	1.92	1.000	0.99996
3312	2	3.72	103	7,620	1,167	0.088	73.98	6.53	1.000	0.99985
3315	1	0.97	1,119	64,902	1,562	0.716	58.00	41.55	1.000	0.99904
3471	2	14.86	127	99,017	162	0.784	779.66	611.22	1.008	0.98585
3472	13	87.35	1,657	404,747	1,545	1.072	244.26	261.97	1.108	0.99394
3551	1	1.25	28	2,100	1,006	0.028	75.00	2.09	1.000	0.99995
3553	4	5.65	90	5,317	1,020	0.088	59.08	5.21	1.023	0.99988
3591	3	3.25	3	195	1,119	0.003	65.00	0.17	1.000	0.99999
3592	7	9.44	96	6,092	1,680	0.057	63.46	3.63	1.032	0.99992
3593	3	4.90	44	4,353	929	0.047	98.93	4.69	1.048	0.99989
3621	3	4.13	17	1,284	1,550	0.011	75.53	0.83	1.063	0.99998
3662	5	11.77	49	3,060	1,130	0.043	62.45	2.71	1.000	0.99994
3663	6	8.82	6	530	776	0.008	88.33	0.68	2.000	0.99998
3671	2	18.22	11	10,822	1,397	0.008	983.82	7.75	1.000	0.99982
3672	1	12.52	1	751	131	0.008	751.00	5.73	1.000	0.99987
3675	4	46.14	457	52,677	315	1.451	115.27	167.23	1.075	0.99613

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3691	2	3.46	22	1,928	1,138	0.019	87.64	1.69	1.000	0.99996
3693	2	2.57	12	754	183	0.066	62.83	4.12	1.000	0.99990
3694	4	15.24	105	27,227	1,237	0.085	259.30	22.01	1.029	0.99949
3701	3	8.09	34	4,306	473	0.072	126.65	9.10	1.030	0.99979
3702	2	8.95	658	124,347	594	1.108	188.98	209.34	1.036	0.99515
3751	9	67.32	1,015	318,173	855	1.187	313.47	372.13	1.167	0.99139
3871	1	3.35	36	7,236	1,362	0.026	201.00	5.31	1.000	0.99988
3872	5	10.12	105	7,752	1,146	0.092	73.83	6.76	1.010	0.99984
3873	1	3.22	60	11,580	787	0.076	193.00	14.71	1.000	0.99966
3878	5	10.19	85	7,141	772	0.110	84.01	9.25	1.024	0.99979
3891	6	9.54	444	38,957	418	1.062	87.74	93.20	1.088	0.99784
3892	1	5.40	1	324	462	0.002	324.00	0.70	1.000	0.99998
3893	21	71.77	1,129	243,090	1,080	1.045	215.31	225.08	1.113	0.99479
3894	2	5.67	23	2,356	112	0.205	102.43	21.04	1.045	0.99951
3903	1	4.30	246	63,468	286	0.860	258.00	221.92	1.000	0.99486
3913	9	38.81	611	146,359	945	0.647	239.54	154.88	1.034	0.99641
3914	4	4.84	59	7,330	645	0.091	124.24	11.36	1.054	0.99974
3951	5	13.49	150	47,046	1,072	0.140	313.64	43.89	1.020	0.99898
3952	3	8.73	380	27,668	374	1.016	72.81	73.98	1.005	0.99829
3971	3	10.05	91	22,773	649	0.140	250.25	35.09	1.152	0.99919
3981	12	57.35	1,518	87,997	1,371	1.107	57.97	64.18	1.127	0.99851
3982	13	82.85	680	80,442	1,745	0.390	118.30	46.10	1.066	0.99893

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3991	9	41.79	43	7,206	711	0.060	167.58	10.14	1.000	0.99977
403	1	4.13	8	1,984	261	0.031	248.00	7.60	1.000	0.99982
4031	4	13.67	696	100,468	693	1.004	144.35	144.98	1.004	0.99664
407	1	1.38	1	83	100	0.010	83.00	0.83	1.000	0.99998
4091	1	0.65	45	1,755	1,134	0.040	39.00	1.55	1.000	0.99996
4092	1	3.05	1	183	417	0.002	183.00	0.44	1.000	0.99999
4101	2	2.18	98	8,974	578	0.170	91.57	15.53	1.000	0.99964
4102	5	7.60	1,762	131,605	894	1.971	74.69	147.21	2.018	0.99659
4131	5	16.68	45	6,933	858	0.052	154.07	8.08	1.071	0.99981
4133	1	1.62	346	33,562	473	0.732	97.00	70.96	1.000	0.99836
4134	5	6.17	1,061	88,626	828	1.281	83.53	107.04	2.109	0.99752
4135	1	0.25	5	75	58	0.086	15.00	1.29	1.000	0.99997
4142	2	3.13	10	732	583	0.017	73.20	1.26	1.000	0.99997
4151	4	4.71	4	283	1,225	0.003	70.75	0.23	1.000	0.99999
4153	1	0.88	14	742	1,280	0.011	53.00	0.58	1.000	0.99999
4154	1	1.23	1,110	82,140	1,106	1.004	74.00	74.27	1.000	0.99828
4155	3	2.09	37	1,622	2,037	0.018	43.84	0.80	1.057	0.99998
4171	1	0.88	1	53	834	0.001	53.00	0.06	1.000	0.99999
4172	7	16.21	123	10,320	1,657	0.074	83.90	6.23	1.042	0.99986
4181	3	17.49	56	20,797	475	0.118	371.38	43.78	1.000	0.99899
4182	2	4.38	10	959	997	0.010	95.90	0.96	1.111	0.99998
4211	3	7.03	3	422	660	0.005	140.67	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	CAIDI	SAIDI	CAIFI	ASAI
4212	4	5.93	799	103,845	798	1.001	129.97	130.13	1.017	0.99699
4221	6	19.46	167	36,515	477	0.350	218.65	76.55	1.050	0.99823
4223	2	9.81	2	589	1,697	0.001	294.50	0.35	1.000	0.99999
4224	2	5.62	73	21,850	750	0.097	299.32	29.13	1.014	0.99933
4302	3	11.39	221	54,529	1,023	0.216	246.74	53.30	1.000	0.99877
4303	2	7.71	807	120,408	807	1.000	149.20	149.20	1.001	0.99655
4311	7	51.50	1,028	286,654	988	1.040	278.85	290.14	1.115	0.99328
4312	10	77.05	2,827	342,809	976	2.897	121.26	351.24	2.029	0.99187
4313	4	12.74	1,152	247,078	544	2.118	214.48	454.19	1.097	0.98949
4324	1	1.23	1	74	1,132	0.001	74.00	0.07	1.000	0.99999
4331	4	8.01	101	10,860	682	0.148	107.52	15.92	1.010	0.99963
4333	1	2.07	1	124	547	0.002	124.00	0.23	1.000	0.99999
434	1	1.52	29	2,639	30	0.967	91.00	87.97	1.000	0.99796
4342	4	4.40	177	10,585	1,696	0.104	59.80	6.24	1.029	0.99986
4343	2	3.13	2	188	1,012	0.002	94.00	0.19	1.000	0.99999
4361	3	5.14	141	12,798	1,632	0.086	90.77	7.84	1.932	0.99982
4362	2	4.17	74	9,250	810	0.091	125.00	11.42	2.000	0.99974
4363	2	2.25	103	9,023	1,563	0.066	87.60	5.77	1.010	0.99987
4371	4	6.26	37	3,709	1,516	0.024	100.24	2.45	1.057	0.99994
4373	5	10.71	15	1,743	746	0.020	116.20	2.34	1.071	0.99995
4383	1	4.18	1	251	140	0.007	251.00	1.79	1.000	0.99996
4385	2	2.40	935	19,737	1,104	0.847	21.11	17.88	1.001	0.99959



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4386	1	1.73	1,214	126,256	1,646	0.738	104.00	76.70	1.000	0.99822
4431	5	10.94	1,158	156,247	1,338	0.865	134.93	116.78	1.005	0.99730
4432	1	3.42	1	205	440	0.002	205.00	0.47	1.000	0.99999
4476	1	1.00	1	60	24	0.042	60.00	2.50	1.000	0.99994
4511	2	4.50	2	270	1,115	0.002	135.00	0.24	1.000	0.99999
453	1	1.98	124	14,756	129	0.961	119.00	114.39	1.000	0.99735
4602	2	2.61	2	157	932	0.002	78.50	0.17	1.000	0.99999
5601	6	30.08	447	34,439	1,139	0.392	77.04	30.24	1.011	0.99930
5602	12	37.45	851	174,238	560	1.520	204.75	311.14	1.533	0.99280
5603	22	53.54	276	62,403	1,241	0.222	226.10	50.28	1.049	0.99884
5641	4	42.86	4	2,571	238	0.017	642.75	10.80	1.000	0.99975
6021	5	61.06	69	39,548	667	0.103	573.16	59.29	1.078	0.99863
6142	5	46.82	326	20,506	297	1.098	62.90	69.04	1.094	0.99840
6143	1	5.50	39	12,870	369	0.106	330.00	34.88	1.000	0.99919
6144	3	10.01	315	37,433	313	1.006	118.83	119.59	1.033	0.99723
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	613	2,056.89	46,942	7,144,547	157,732	0.298	152.20	45.30	1.212	0.99895

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
10/1/2012 to 10/31/2012  
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	0.60	1	36	1,413	0.001	36.00	0.03	1.000	0.99999
1051	8	9.83	1,431	77,125	1,062	1.347	53.90	72.62	1.364	0.99837
1081	1	0.62	1	37	19	0.053	37.00	1.95	1.000	0.99996
1082	7	10.14	128	12,063	1,287	0.099	94.24	9.37	1.058	0.99979
1091	8	22.13	1,655	126,970	1,633	1.013	76.72	77.75	1.049	0.99826
1092	4	7.22	111	12,649	1,172	0.095	113.95	10.79	1.009	0.99976
1101	1	0.62	44	1,628	965	0.046	37.00	1.69	1.000	0.99996
1141	2	2.58	56	4,340	899	0.062	77.50	4.83	1.167	0.99989
1142	2	2.10	27	1,668	213	0.127	61.78	7.83	1.000	0.99982
1211	2	1.40	24	1,118	1,463	0.016	46.58	0.76	1.043	0.99998
1213	2	2.67	22	1,900	541	0.041	86.36	3.51	1.048	0.99992
1230	1	0.68	29	1,189	1,101	0.026	41.00	1.08	1.000	0.99998
1232	2	1.30	92	2,688	1,173	0.078	29.22	2.29	1.000	0.99995
1241	2	2.47	55	4,335	832	0.066	78.82	5.21	1.000	0.99988
1242	1	1.42	7	595	669	0.010	85.00	0.89	1.000	0.99998
1243	2	1.45	77	3,537	1,182	0.065	45.94	2.99	1.013	0.99993
1262	1	0.37	58	1,276	1,156	0.050	22.00	1.10	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	2.43	103	5,397	992	0.104	52.40	5.44	1.062	0.99988
1265	1	0.15	141	1,269	1,262	0.112	9.00	1.01	1.000	0.99998
1282	4	6.35	133	11,673	908	0.146	87.77	12.86	1.008	0.99971
1284	1	1.33	1	80	853	0.001	80.00	0.09	1.000	0.99999
1311	1	1.05	1	63	265	0.004	63.00	0.24	1.000	0.99999
1453	2	2.36	46	2,210	1,790	0.026	48.04	1.23	1.000	0.99997
1455	2	1.45	1,825	45,789	1,060	1.722	25.09	43.20	1.029	0.99903
1522	1	1.27	1	76	98	0.010	76.00	0.78	1.000	0.99998
1523	2	3.33	4	366	702	0.006	91.50	0.52	1.000	0.99999
2051	1	1.63	1	98	160	0.006	98.00	0.61	1.000	0.99999
2091	1	1.03	1	62	865	0.001	62.00	0.07	1.000	0.99999
2092	2	2.25	28	1,175	899	0.031	41.96	1.31	1.000	0.99997
2172	1	1.55	91	8,463	217	0.419	93.00	39.00	1.000	0.99913
2211	6	7.94	52	1,834	719	0.072	35.27	2.55	1.000	0.99994
2212	1	0.92	1	55	1,255	0.001	55.00	0.04	1.000	0.99999
2511	1	3.18	1	191	607	0.002	191.00	0.31	1.000	0.99999
2621	2	2.09	1,115	74,696	1,126	0.990	66.99	66.34	1.001	0.99851
2622	1	1.55	1	93	112	0.009	93.00	0.83	1.000	0.99998
2921	2	2.32	4	201	402	0.010	50.25	0.50	1.333	0.99999
2951	5	5.19	138	4,262	1,360	0.101	30.88	3.13	1.022	0.99993
2961	4	10.41	83	10,116	649	0.128	121.88	15.59	1.025	0.99965
2962	1	0.62	1	37	251	0.004	37.00	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	CAIDI	SAIDI	CAIFI	ASAI
3081	1	1.37	1	82	563	0.002	82.00	0.15	1.000	0.99999
3121	2	2.12	48	3,853	1,072	0.045	80.27	3.59	1.000	0.99992
3122	1	1.75	1	105	838	0.001	105.00	0.13	1.000	0.99999
3181	1	1.45	1	87	706	0.001	87.00	0.12	1.000	0.99999
3222	5	9.27	5	556	759	0.007	111.20	0.73	1.250	0.99998
3231	4	7.12	33	3,465	407	0.081	105.00	8.51	1.031	0.99981
3232	1	1.68	15	1,515	419	0.036	101.00	3.62	1.000	0.99992
3302	2	5.29	78	8,838	833	0.094	113.31	10.61	1.000	0.99976
3305	1	1.35	1	81	18	0.056	81.00	4.50	1.000	0.99990
3313	1	1.55	94	8,742	1,018	0.092	93.00	8.59	1.000	0.99981
3314	1	1.45	15	1,305	222	0.068	87.00	5.88	1.000	0.99987
3315	4	3.93	66	2,768	1,562	0.042	41.94	1.77	1.031	0.99996
3422	1	0.58	1	35	963	0.001	35.00	0.04	1.000	0.99999
3472	6	7.72	123	9,370	1,545	0.080	76.18	6.06	1.034	0.99986
3591	3	2.40	40	1,875	1,119	0.036	46.88	1.68	1.026	0.99996
3592	5	3.78	1,772	107,194	1,680	1.055	60.49	63.81	1.058	0.99857
3594	2	4.82	24	2,291	622	0.039	95.46	3.68	1.043	0.99992
3621	6	6.03	86	3,691	1,550	0.055	42.92	2.38	1.000	0.99995
3661	1	0.98	1	59	1,100	0.001	59.00	0.05	1.000	0.99999
3663	8	5.26	73	7,994	776	0.094	109.51	10.30	1.043	0.99977
3671	10	12.72	47	3,455	1,397	0.034	73.51	2.47	1.270	0.99994
3692	1	4.03	1	242	402	0.002	242.00	0.60	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3694	1	13.87	1,168	971,776	1,237	0.944	832.00	785.59	1.000	0.98240
3701	6	6.76	505	63,279	473	1.068	125.30	133.78	1.010	0.99700
3751	3	5.96	61	12,913	855	0.071	211.69	15.10	1.000	0.99966
3871	2	4.33	86	11,180	1,362	0.063	130.00	8.21	1.049	0.99982
3878	3	3.43	62	3,572	772	0.080	57.61	4.63	1.016	0.99990
3892	2	1.03	461	2,357	462	0.998	5.11	5.10	1.002	0.99989
3893	2	2.25	19	1,274	1,079	0.018	67.05	1.18	1.056	0.99997
3901	2	3.63	20	2,180	861	0.023	109.00	2.53	1.000	0.99994
3902	1	1.52	1	91	95	0.011	91.00	0.96	1.000	0.99998
3903	1	0.67	1	40	286	0.003	40.00	0.14	1.000	0.99999
3914	1	4.15	1	249	645	0.002	249.00	0.39	1.000	0.99999
3951	4	4.45	47	2,890	1,072	0.044	61.49	2.70	1.022	0.99994
3952	2	1.82	26	1,447	374	0.070	55.65	3.87	1.000	0.99991
3971	1	1.33	17	1,360	649	0.026	80.00	2.10	1.000	0.99995
3981	7	10.85	738	90,711	1,420	0.520	122.91	63.88	1.066	0.99857
3982	5	5.62	239	16,179	1,745	0.137	67.69	9.27	1.008	0.99979
3991	2	6.85	27	8,011	711	0.038	296.70	11.27	1.038	0.99975
4031	1	39.63	1	2,378	693	0.001	2378.00	3.43	1.000	0.99992
4091	1	1.17	1	70	1,134	0.001	70.00	0.06	1.000	0.99999
4101	2	1.72	168	8,652	578	0.291	51.50	14.97	1.050	0.99966
4102	3	3.82	109	9,403	894	0.122	86.27	10.52	1.730	0.99976
4131	1	0.60	11	396	527	0.021	36.00	0.75	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4133	2	1.92	347	3,565	473	0.734	10.27	7.54	1.003	0.99983
4136	1	0.12	1	7	667	0.001	7.00	0.01	1.000	0.99999
4142	2	4.98	2	299	583	0.003	149.50	0.51	1.000	0.99999
4151	3	3.75	1,256	32,118	1,225	1.025	25.57	26.22	1.052	0.99941
4152	1	1.23	17	1,258	781	0.022	74.00	1.61	1.000	0.99996
4155	1	2.13	31	3,968	2,037	0.015	128.00	1.95	1.000	0.99996
4171	2	1.22	2	73	834	0.002	36.50	0.09	1.000	0.99999
4172	10	13.82	189	15,868	1,657	0.114	83.96	9.58	1.016	0.99979
4181	1	1.38	19	1,577	475	0.040	83.00	3.32	1.000	0.99993
4211	1	204,655.43	1	12,279,326	660	0.002	1227932	18605.0	1.000	0.58322
4212	6	6.57	70	3,667	798	0.088	52.39	4.60	1.591	0.99990
4221	1	20.93	1	1,256	477	0.002	1256.00	2.63	1.000	0.99994
4311	2	1.98	2	119	988	0.002	59.50	0.12	1.000	0.99999
4313	1	2.22	3	399	544	0.006	133.00	0.73	1.000	0.99998
4322	1	0.88	109	5,777	89	1.225	53.00	64.91	1.000	0.99855
4324	1	0.60	1	36	1,132	0.001	36.00	0.03	1.000	0.99999
4331	1	1.33	43	3,440	489	0.088	80.00	7.03	1.000	0.99984
4332	1	8.20	1	492	300	0.003	492.00	1.64	1.000	0.99996
4341	5	8.58	101	6,566	1,716	0.059	65.01	3.83	1.063	0.99991
4342	9	11.77	256	19,663	1,696	0.151	76.81	11.59	1.202	0.99974
4343	2	4.46	82	10,988	1,012	0.081	134.00	10.86	1.108	0.99976
4361	2	3.21	2	193	1,632	0.001	96.50	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4363	2	1.85	21	1,099	1,563	0.013	52.33	0.70	1.050	0.99998
4371	2	5.45	47	6,510	1,516	0.031	138.51	4.29	1.093	0.99990
4372	1	2.27	3	408	420	0.007	136.00	0.97	1.000	0.99998
4373	2	3.99	8	1,181	744	0.011	147.63	1.59	1.143	0.99996
4431	11	9.25	1,357	50,579	1,338	1.014	37.27	37.80	1.038	0.99915
4511	2	1.40	35	1,767	1,115	0.031	50.49	1.58	1.029	0.99996
4512	1	2.20	84	11,088	920	0.091	132.00	12.05	1.000	0.99973
4601	1	1.40	1	84	405	0.002	84.00	0.21	1.000	0.99999
4602	7	7.58	132	6,975	932	0.142	52.84	7.48	1.031	0.99983
5603	4	4.52	62	2,359	1,240	0.050	38.05	1.90	1.051	0.99996
5641	1	3.67	20	4,400	278	0.072	220.00	15.83	1.000	0.99965
6021	1	0.42	24	600	667	0.036	25.00	0.90	1.000	0.99998
6142	3	4.07	92	5,317	297	0.310	57.79	17.90	1.022	0.99960
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	307	205,144.89	18,307	14,282,393	153,992	0.119	780.16	92.75	1.056	0.99792

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
11/1/2012 to 11/30/2012  
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	1.98	209	24,871	1,062	0.197	119.00	23.42	1.000	0.99946
1082	1	3.23	25	4,850	1,287	0.019	194.00	3.77	1.000	0.99991
1091	3	3.80	3	228	1,633	0.002	76.00	0.14	1.000	0.99999
1092	2	1.12	21	922	1,172	0.018	43.90	0.79	1.050	0.99998
1094	4	3.20	28	1,580	1,095	0.026	56.43	1.44	1.037	0.99997
1101	2	2.46	17	718	965	0.018	42.24	0.74	1.063	0.99998
1102	1	0.55	25	825	624	0.040	33.00	1.32	1.000	0.99997
1141	2	8.57	2	514	899	0.002	257.00	0.57	1.000	0.99999
1211	5	4.41	45	1,933	1,463	0.031	42.96	1.32	1.154	0.99997
1230	2	2.65	154	13,383	1,101	0.140	86.90	12.16	1.000	0.99972
1232	2	15.45	45	3,249	1,172	0.038	72.20	2.77	1.023	0.99994
1241	3	2.85	34	1,694	832	0.041	49.82	2.04	1.097	0.99995
1243	5	8.21	92	6,664	1,182	0.078	72.43	5.64	1.011	0.99987
1263	5	9.06	422	45,548	992	0.425	107.93	45.92	1.192	0.99894
1265	1	0.22	1	13	1,262	0.001	13.00	0.01	1.000	0.99999
1271	2	5.25	13	1,404	922	0.014	108.00	1.52	1.000	0.99996
1273	2	3.27	9	1,225	864	0.010	136.11	1.42	1.125	0.99997



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	4	2.60	177	7,074	908	0.195	39.97	7.79	1.006	0.99982
1285	2	2.05	178	11,739	1,077	0.165	65.95	10.90	1.006	0.99975
1312	1	1.88	1	113	911	0.001	113.00	0.12	1.000	0.99999
1453	3	2.89	47	1,669	1,790	0.026	35.51	0.93	1.022	0.99998
1454	1	1.40	912	76,608	904	1.009	84.00	84.74	1.000	0.99804
1523	2	1.60	2	96	701	0.003	48.00	0.14	1.000	0.99999
1841	1	2.87	1	172	602	0.002	172.00	0.29	1.000	0.99999
1843	2	2.58	39	5,039	1,065	0.037	129.21	4.73	1.026	0.99989
2092	2	1.38	28	837	899	0.031	29.89	0.93	1.000	0.99998
2211	1	0.33	25	500	717	0.035	20.00	0.70	1.000	0.99998
2212	1	1.20	17	1,224	1,255	0.014	72.00	0.98	1.000	0.99998
2621	3	2.47	1,123	39,348	1,126	0.997	35.04	34.94	1.002	0.99919
2951	4	4.56	70	4,840	1,360	0.051	69.14	3.56	1.014	0.99992
2961	1	0.40	21	504	649	0.032	24.00	0.78	1.000	0.99998
3081	1	1.25	1	75	563	0.002	75.00	0.13	1.000	0.99999
3121	3	3.15	67	3,029	1,072	0.063	45.21	2.83	1.015	0.99993
3123	1	0.63	23	874	1,024	0.022	38.00	0.85	1.000	0.99998
3221	4	11.10	40	5,202	1,223	0.033	130.05	4.25	1.000	0.99990
3222	1	0.97	621	36,018	759	0.818	58.00	47.45	1.000	0.99890
3301	1	1.38	1	83	205	0.005	83.00	0.40	1.000	0.99999
3302	2	1.97	34	2,090	833	0.041	61.47	2.51	1.000	0.99994
3311	1	1.42	1	85	526	0.002	85.00	0.16	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3312	1	0.60	4	144	361	0.011	36.00	0.40	1.000	0.99999
3313	3	4.15	63	5,079	1,109	0.057	80.62	4.58	1.000	0.99989
3422	1	1.62	1	97	963	0.001	97.00	0.10	1.000	0.99999
3471	2	1.51	7	296	162	0.043	42.29	1.83	1.000	0.99996
3472	5	4.86	55	2,607	1,545	0.036	47.40	1.69	1.019	0.99996
3551	1	1.18	1	71	1,006	0.001	71.00	0.07	1.000	0.99999
3553	1	1.50	24	2,160	1,019	0.024	90.00	2.12	1.000	0.99995
3592	4	5.24	114	9,389	1,680	0.068	82.36	5.59	1.056	0.99987
3621	3	5.38	17	953	1,550	0.011	56.06	0.61	1.063	0.99999
3661	2	5.16	40	2,666	1,100	0.036	66.65	2.42	1.000	0.99994
3663	6	15.77	168	8,493	776	0.216	50.55	10.94	1.050	0.99975
3671	1	1.28	77	5,929	1,397	0.055	77.00	4.24	1.000	0.99990
3694	3	4.68	167	17,943	1,237	0.135	107.44	14.51	1.031	0.99966
3702	2	1.99	33	2,196	592	0.056	66.55	3.71	1.031	0.99991
3751	2	1.52	82	3,731	855	0.096	45.50	4.36	1.108	0.99990
3871	8	14.01	83	9,665	1,362	0.061	116.45	7.10	1.012	0.99984
3872	1	1.32	71	5,609	1,146	0.062	79.00	4.89	1.000	0.99989
3878	1	1.27	1	76	772	0.001	76.00	0.10	1.000	0.99999
3892	1	1.37	1	82	462	0.002	82.00	0.18	1.000	0.99999
3893	3	3.08	20	1,205	1,078	0.019	60.25	1.12	1.053	0.99997
3901	1	1.18	10	710	861	0.012	71.00	0.82	1.000	0.99998
3903	1	1.08	1	65	286	0.003	65.00	0.23	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3913	1	0.42	1	25	945	0.001	25.00	0.03	1.000	0.99999
3914	1	1.37	1	82	645	0.002	82.00	0.13	1.000	0.99999
3951	1	0.42	64	1,600	1,072	0.060	25.00	1.49	1.000	0.99997
3971	2	2.53	19	1,682	649	0.029	88.53	2.59	1.056	0.99994
3981	6	8.11	30	2,341	1,469	0.020	78.03	1.59	1.000	0.99996
3982	2	4.41	20	2,947	1,745	0.011	147.35	1.69	1.053	0.99996
3991	2	3.30	2	198	711	0.003	99.00	0.28	1.000	0.99999
4031	2	1.52	85	3,903	693	0.123	45.92	5.63	1.000	0.99987
407	1	0.40	1	24	100	0.010	24.00	0.24	1.000	0.99999
4101	2	2.57	30	2,310	578	0.052	77.00	4.00	2.000	0.99991
4134	1	2.28	3	411	828	0.004	137.00	0.50	1.000	0.99999
4138	1	0.57	32	1,088	662	0.048	34.00	1.64	1.000	0.99996
4142	1	1.35	1	81	583	0.002	81.00	0.14	1.000	0.99999
4151	1	1.02	54	3,294	1,225	0.044	61.00	2.69	1.000	0.99994
4152	1	1.35	63	5,103	781	0.081	81.00	6.53	1.000	0.99985
4153	1	2.00	1	120	1,280	0.001	120.00	0.09	1.000	0.99999
4171	7	6.26	165	8,036	834	0.198	48.70	9.64	1.310	0.99978
4172	8	8.99	171	13,294	1,657	0.103	77.74	8.02	1.030	0.99981
4173	2	4.13	105	14,736	612	0.172	140.34	24.08	1.000	0.99944
4182	1	1.42	2	170	997	0.002	85.00	0.17	1.000	0.99999
4211	3	3.14	141	8,883	660	0.214	63.00	13.46	1.000	0.99969
4212	6	5.80	104	6,405	798	0.130	61.59	8.03	1.030	0.99981

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4221	1	0.42	3	75	477	0.006	25.00	0.16	1.000	0.99999
4222	1	0.62	1	37	1,218	0.001	37.00	0.03	1.000	0.99999
4223	1	2.12	5	635	1,558	0.003	127.00	0.41	1.000	0.99999
4224	1	0.47	28	784	750	0.037	28.00	1.05	1.000	0.99998
4303	1	2.30	1	138	806	0.001	138.00	0.17	1.000	0.99999
4312	7	4.70	34	1,092	976	0.035	32.12	1.12	1.214	0.99997
4313	2	2.24	2	134	544	0.004	67.00	0.25	1.000	0.99999
4324	2	1.45	1,160	36,510	1,132	1.025	31.47	32.25	1.019	0.99925
4331	1	0.75	1	45	296	0.003	45.00	0.15	1.000	0.99999
4341	4	4.19	37	2,377	1,716	0.022	64.24	1.39	1.057	0.99997
4342	2	1.38	68	2,822	1,696	0.040	41.50	1.66	1.063	0.99996
4361	3	2.10	74	3,818	1,632	0.045	51.59	2.34	1.000	0.99995
4363	5	3.35	663	35,139	1,563	0.424	53.00	22.48	1.034	0.99948
4371	4	6.93	22	2,243	1,516	0.015	101.95	1.48	1.100	0.99997
4372	22	23.88	153	11,941	420	0.364	78.05	28.43	1.070	0.99934
4431	5	27.50	22	4,438	1,337	0.016	201.73	3.32	1.000	0.99992
4511	4	2.62	44	1,533	1,115	0.039	34.84	1.37	1.048	0.99997
4601	3	7.55	20	4,703	405	0.049	235.15	11.61	1.053	0.99973
4602	1	1.18	71	5,041	932	0.076	71.00	5.41	1.000	0.99987
5603	14	29.02	1,479	201,709	1,240	1.193	136.38	162.67	1.244	0.99623
5905	1	0.62	50	1,850	1,726	0.029	37.00	1.07	1.000	0.99998
6142	2	18.45	38	6,111	297	0.128	160.82	20.58	1.000	0.99952

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	278	413.31	10,685	785,914	157,460	0.068	73.55	4.99	1.053	0.99988

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
12/1/2012 to 12/31/2012  
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	0.67	1	40	1,062	0.001	40.00	0.04	1.000	0.99999
1082	5	11.56	62	6,540	1,290	0.048	105.48	5.07	1.000	0.99989
1091	4	4.34	4	261	1,639	0.002	65.25	0.16	1.000	0.99999
1092	4	1.94	136	3,627	1,174	0.116	26.67	3.09	1.000	0.99993
1093	2	2.97	2	178	227	0.009	89.00	0.78	1.000	0.99998
1094	4	5.75	63	3,158	1,102	0.057	50.13	2.87	1.000	0.99994
1211	1	0.82	1	49	1,464	0.001	49.00	0.03	1.000	0.99999
1213	1	3.08	1	185	541	0.002	185.00	0.34	1.000	0.99999
1230	1	0.95	104	5,969	1,140	0.091	57.39	5.24	1.000	0.99988
1232	1	1.45	1	87	1,174	0.001	87.00	0.07	1.000	0.99999
1233	3	3.77	26	743	638	0.041	28.58	1.16	1.040	0.99997
1243	1	1.50	5	450	1,186	0.004	90.00	0.38	1.000	0.99999
1261	1	1.57	385	36,523	385	1.000	94.86	94.86	1.000	0.99787
1262	1	0.87	1	52	206	0.005	52.00	0.25	1.000	0.99999
1265	1	0.10	1	6	1,264	0.001	6.00	0.00	1.000	0.99999
1271	2	4.12	244	32,917	924	0.264	134.91	35.62	1.004	0.99920
1273	2	1.45	6	279	864	0.007	46.50	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	CAIDI	SAIDI	CAIFI	ASAI
1282	2	4.62	673	143,673	910	0.740	213.48	157.88	1.001	0.99646
1311	2	3.80	268	44,845	266	1.008	167.33	168.59	1.004	0.99622
1312	2	3.97	1,165	171,647	912	1.277	147.34	188.21	1.276	0.99578
1453	2	1.37	44	1,599	1,790	0.025	36.34	0.89	1.023	0.99998
1454	3	2.27	3	136	906	0.003	45.33	0.15	1.500	0.99999
1521	2	5.13	2	308	352	0.006	154.00	0.88	1.000	0.99998
1841	1	3.02	1	181	606	0.002	181.00	0.30	1.000	0.99999
1843	5	6.25	100	6,131	1,069	0.094	61.31	5.74	1.667	0.99987
2091	3	3.94	872	32,128	868	1.005	36.84	37.01	1.002	0.99917
2092	1	0.80	1	48	900	0.001	48.00	0.05	1.000	0.99999
2211	3	7.43	43	1,935	718	0.060	45.00	2.69	1.103	0.99994
2212	1	1.40	16	1,344	1,257	0.013	84.00	1.07	1.000	0.99998
2511	1	2.45	23	3,393	608	0.038	147.52	5.58	1.000	0.99987
2621	2	1.83	1,161	35,887	1,132	1.026	30.91	31.70	1.018	0.99929
2951	3	3.65	3	219	1,362	0.002	73.00	0.16	1.500	0.99999
2961	3	5.05	1,299	167,022	649	2.002	128.58	257.35	2.002	0.99423
3121	1	0.52	37	1,158	1,090	0.034	31.30	1.06	1.000	0.99998
3221	1	1.77	1	106	1,224	0.001	106.00	0.09	1.000	0.99999
3222	4	26.75	4	1,605	760	0.005	401.25	2.11	1.000	0.99995
3303	1	0.82	1	49	975	0.001	49.00	0.05	1.000	0.99999
3313	2	1.43	111	6,524	1,168	0.095	58.77	5.59	1.000	0.99987
3315	3	5.03	5	426	1,564	0.003	85.20	0.27	1.667	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3422	2	1.00	24	720	964	0.025	30.00	0.75	1.000	0.99998
3471	1	2.78	163	27,297	162	1.006	167.47	168.50	1.000	0.99623
3472	1	2.80	1,557	263,056	1,549	1.005	168.95	169.82	1.000	0.99620
3551	3	1.58	43	1,531	1,008	0.043	35.60	1.52	1.000	0.99997
3553	2	2.86	2	172	1,022	0.002	86.00	0.17	2.000	0.99999
3592	4	3.76	122	5,576	1,692	0.072	45.70	3.30	1.298	0.99993
3593	1	0.27	1	16	930	0.001	16.00	0.02	1.000	0.99999
3621	3	3.52	69	3,939	1,544	0.045	57.09	2.55	1.015	0.99994
3662	1	2.67	1	160	1,131	0.001	160.00	0.14	1.000	0.99999
3663	12	9.77	81	3,717	780	0.104	45.89	4.77	1.052	0.99989
3691	1	1.88	65	7,388	1,140	0.057	113.66	6.48	1.000	0.99985
3694	1	3.03	1	182	1,238	0.001	182.00	0.15	1.000	0.99999
3702	2	3.12	90	8,447	593	0.152	93.86	14.24	1.667	0.99968
3751	3	3.92	25	1,489	858	0.029	59.56	1.74	1.923	0.99996
3871	1	0.60	1	36	1,366	0.001	36.00	0.03	1.000	0.99999
3872	3	3.37	231	23,767	1,146	0.202	102.89	20.74	1.138	0.99954
3878	1	4.05	12	2,926	774	0.016	243.83	3.78	1.000	0.99992
3891	2	3.58	37	5,045	420	0.088	136.35	12.01	1.028	0.99973
3893	7	7.29	78	3,941	1,084	0.072	50.53	3.64	1.279	0.99992
3914	1	1.72	645	66,865	645	1.000	103.67	103.67	1.000	0.99768
3951	7	8.32	1,217	215,653	1,072	1.135	177.20	201.17	1.131	0.99549
3971	2	2.48	2	149	650	0.003	74.50	0.23	1.000	0.99999



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3981	5	7.27	56	5,070	1,474	0.038	90.54	3.44	1.037	0.99992
3982	1	0.77	45	2,097	1,746	0.026	46.60	1.20	1.000	0.99997
3991	1	3.92	1	235	715	0.001	235.00	0.33	1.000	0.99999
401	2	1.36	2	82	108	0.019	41.00	0.76	2.000	0.99998
4031	1	0.80	1	48	692	0.001	48.00	0.07	1.000	0.99999
4101	1	1.80	2	216	578	0.003	108.00	0.37	1.000	0.99999
4142	5	7.19	5	432	584	0.009	86.40	0.74	1.667	0.99998
4153	3	4.02	29	2,347	1,282	0.023	80.93	1.83	2.071	0.99996
4155	2	3.01	243	21,117	2,041	0.119	86.90	10.35	1.034	0.99977
4171	2	1.38	30	1,063	842	0.036	35.43	1.26	1.034	0.99997
4172	11	11.97	3,720	191,875	1,658	2.244	51.58	115.73	2.183	0.99741
4173	5	2.62	11	467	613	0.018	42.45	0.76	1.222	0.99998
4182	2	1.70	2	102	1,000	0.002	51.00	0.10	1.000	0.99999
4212	6	5.35	74	3,910	800	0.093	52.84	4.89	1.028	0.99989
4221	2	5.63	882	156,779	480	1.838	177.75	326.62	1.819	0.99268
4222	1	0.78	1	47	1,294	0.001	47.00	0.04	1.000	0.99999
4223	3	4.32	366	41,823	1,594	0.230	114.27	26.24	1.005	0.99941
4224	2	7.00	571	140,117	750	0.761	245.39	186.82	1.002	0.99581
4302	1	4.17	1,026	256,619	1,024	1.002	250.12	250.60	1.000	0.99439
4324	1	1.18	1	71	1,136	0.001	71.00	0.06	1.000	0.99999
4331	2	2.10	2	126	296	0.007	63.00	0.43	2.000	0.99999
4341	6	4.41	236	8,475	1,722	0.137	35.91	4.92	1.448	0.99989

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4342	8	9.58	201	12,930	1,702	0.118	64.33	7.60	1.075	0.99983
4361	5	4.85	49	3,099	1,632	0.030	63.24	1.90	1.815	0.99996
4363	6	8.06	96	12,168	1,565	0.061	126.75	7.78	1.032	0.99983
4371	1	0.90	1	54	1,520	0.001	54.00	0.04	1.000	0.99999
4373	2	2.70	2	162	746	0.003	81.00	0.22	2.000	0.99999
4385	2	5.83	5	872	1,106	0.005	174.40	0.79	1.000	0.99998
4386	1	2.53	211	32,072	1,646	0.128	152.00	19.48	1.000	0.99956
4431	2	2.76	32	2,747	1,342	0.024	85.84	2.05	1.000	0.99995
4432	1	2.33	9	1,267	443	0.020	140.78	2.86	1.000	0.99994
4511	2	0.77	51	1,268	1,116	0.046	24.86	1.14	1.000	0.99997
4512	1	3.78	23	5,237	926	0.025	227.70	5.66	1.000	0.99987
4602	4	5.81	106	10,535	933	0.114	99.39	11.29	1.165	0.99975
5601	2	1.33	443	29,370	1,142	0.388	66.30	25.72	1.002	0.99942
5603	7	10.75	221	16,261	1,242	0.178	73.58	13.09	1.023	0.99971
5905	3	4.79	38	3,514	1,747	0.022	92.47	2.01	1.462	0.99995
6142	2	3.03	14	972	298	0.047	69.43	3.26	1.000	0.99993
6143	1	5.12	1	307	370	0.003	307.00	0.83	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	259	372.25	20,152	2,319,453	158,451	0.127	115.10	14.64	1.236	0.99967

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

1/1/2012 to 1/31/2012

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	0.68	129	5,289	1,054	0.122	41.00	5.02	1.000	0.99989
1091	3	2.85	3,095	176,415	1,616	1.915	57.00	109.17	2.001	0.99755
1092	1	0.52	21	651	1,165	0.018	31.00	0.56	1.000	0.99999
1094	5	8.92	136	23,397	1,089	0.125	172.04	21.48	1.000	0.99952
1101	2	1.40	16	728	873	0.018	45.50	0.83	1.067	0.99998
1102	1	2.57	3	462	746	0.004	154.00	0.62	1.000	0.99999
1211	1	3.68	1	221	1,461	0.001	221.00	0.15	1.000	0.99999
1230	1	18.35	187	205,887	1,076	0.174	1101.00	191.34	1.000	0.99571
1241	1	1.65	1	99	830	0.001	99.00	0.12	1.000	0.99999
1262	2	50.73	2	3,044	2,048	0.001	1522.00	1.49	1.000	0.99997
1263	3	1.99	3	119	965	0.003	39.67	0.12	1.000	0.99999
1265	6	14.75	229	35,844	1,366	0.168	156.52	26.24	1.032	0.99941
1271	1	16.07	1	964	914	0.001	964.00	1.05	1.000	0.99998
1273	4	25.19	85	3,828	864	0.098	45.04	4.43	1.133	0.99990
1282	1	1.22	49	3,577	908	0.054	73.00	3.94	1.000	0.99991
1312	1	1.00	20	1,200	908	0.022	60.00	1.32	1.000	0.99997
1453	2	0.90	2	54	1,770	0.001	27.00	0.03	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1455	1	1.03	1	62	1,784	0.001	62.00	0.03	1.000	0.99999
1521	3	6.94	332	31,672	349	0.951	95.40	90.75	1.006	0.99797
1841	3	1.74	39	2,408	1,580	0.025	61.74	1.52	1.000	0.99997
1843	2	3.05	407	36,633	1,061	0.384	90.01	34.53	1.002	0.99923
2091	1	2.33	1	140	862	0.001	140.00	0.16	1.000	0.99999
2092	3	2.25	29	1,773	896	0.032	61.14	1.98	1.000	0.99996
2211	2	2.28	27	1,104	720	0.038	40.89	1.53	1.000	0.99997
2212	1	1.40	1	84	1,252	0.001	84.00	0.07	1.000	0.99999
2511	3	2.15	3	129	607	0.005	43.00	0.21	1.000	0.99999
2921	1	1.07	2	128	400	0.005	64.00	0.32	1.000	0.99999
2951	2	1.12	2	67	1,350	0.001	33.50	0.05	1.000	0.99999
3081	1	0.98	28	1,652	562	0.050	59.00	2.94	1.000	0.99993
3082	1	1.02	3	183	320	0.009	61.00	0.57	1.000	0.99999
3121	3	2.95	95	4,133	1,069	0.089	43.51	3.87	1.000	0.99991
3122	2	4.61	838	221,888	839	0.999	264.78	264.47	1.005	0.99408
3221	5	7.01	335	33,763	1,220	0.275	100.79	27.67	1.034	0.99938
3222	1	0.65	1	39	756	0.001	39.00	0.05	1.000	0.99999
3232	1	1.70	15	1,530	414	0.036	102.00	3.70	1.000	0.99992
3302	1	0.53	20	640	814	0.025	32.00	0.79	1.000	0.99998
3311	1	1.80	1	108	471	0.002	108.00	0.23	1.000	0.99999
3314	1	0.62	20	740	222	0.090	37.00	3.33	1.000	0.99993
3472	1	0.10	1	6	1,533	0.001	6.00	0.00	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	1	1.53	1	92	1,004	0.001	92.00	0.09	1.000	0.99999
3552	3	2.26	21	838	570	0.037	39.90	1.47	1.000	0.99997
3553	2	2.33	637	68,720	1,016	0.627	107.88	67.64	1.002	0.99848
3591	8	6.72	48	2,921	1,108	0.043	60.85	2.64	1.043	0.99994
3592	1	1.05	1	63	1,679	0.001	63.00	0.04	1.000	0.99999
3621	3	5.38	48	4,692	1,547	0.031	97.75	3.03	1.021	0.99993
3661	1	1.60	1	96	1,088	0.001	96.00	0.09	1.000	0.99999
3662	1	1.50	15	1,350	1,116	0.013	90.00	1.21	1.000	0.99997
3663	1	1.47	9	792	531	0.017	88.00	1.49	1.000	0.99997
3671	1	0.73	1	44	1,102	0.001	44.00	0.04	1.000	0.99999
3692	1	2.83	8	1,360	402	0.020	170.00	3.38	1.000	0.99992
3693	1	1.28	21	1,617	184	0.114	77.00	8.79	1.000	0.99980
3871	2	1.58	37	1,250	1,363	0.027	33.78	0.92	1.028	0.99998
3872	1	0.65	7	273	1,146	0.006	39.00	0.24	1.000	0.99999
3873	1	6.23	705	263,670	785	0.898	374.00	335.89	1.000	0.99248
3878	2	3.11	10	935	795	0.013	93.50	1.18	2.000	0.99997
3891	1	2.37	4	568	414	0.010	142.00	1.37	1.000	0.99997
3893	2	3.84	1,077	215,466	1,072	1.005	200.06	200.99	1.011	0.99550
3914	4	4.34	1,217	105,650	634	1.920	86.81	166.64	2.015	0.99627
3951	3	5.13	39	2,108	1,070	0.036	54.05	1.97	1.054	0.99996
3981	1	2.02	1,330	160,930	1,370	0.971	121.00	117.47	1.000	0.99737
3982	7	8.60	52	6,941	1,860	0.028	133.48	3.73	1.020	0.99992

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3991	3	5.05	3	303	706	0.004	101.00	0.43	1.500	0.99999
403	1	63.82	7	26,803	260	0.027	3829.00	103.09	1.000	0.99769
4031	1	1.13	47	3,196	689	0.068	68.00	4.64	1.000	0.99990
4092	1	1.88	9	1,017	415	0.022	113.00	2.45	1.000	0.99995
4101	1	3.70	55	12,210	576	0.095	222.00	21.20	1.000	0.99953
4102	3	5.20	88	7,912	880	0.100	89.91	8.99	1.000	0.99980
4131	1	3.38	8	1,624	195	0.041	203.00	8.33	1.000	0.99981
4133	1	1.45	1	87	394	0.003	87.00	0.22	1.000	0.99999
4134	1	0.98	6	354	828	0.007	59.00	0.43	1.000	0.99999
4151	1	1.75	35	3,675	1,230	0.028	105.00	2.99	1.000	0.99993
4153	1	1.07	34	2,176	1,268	0.027	64.00	1.72	1.000	0.99996
4171	4	6.26	145	15,877	1,024	0.142	109.50	15.50	1.768	0.99965
4172	6	7.15	180	12,200	1,643	0.110	67.78	7.43	1.006	0.99983
4182	1	1.28	1	77	992	0.001	77.00	0.08	1.000	0.99999
4211	1	1.38	47	3,901	658	0.071	83.00	5.93	1.000	0.99987
4212	1	1.25	126	9,450	792	0.159	75.00	11.93	1.000	0.99973
4221	1	2.68	3	483	476	0.006	161.00	1.01	1.000	0.99998
4302	4	4.95	178	11,241	1,095	0.163	63.15	10.27	1.000	0.99977
4324	1	1.07	17	1,088	1,074	0.016	64.00	1.01	1.000	0.99998
4341	1	0.78	78	3,666	1,710	0.046	47.00	2.14	1.000	0.99995
4342	1	0.53	33	1,056	1,698	0.019	32.00	0.62	1.000	0.99999
4343	3	2.47	27	1,332	1,010	0.027	49.33	1.32	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4361	1	4.55	1	273	1,630	0.001	273.00	0.17	1.000	0.99999
4362	1	0.60	82	2,952	809	0.101	36.00	3.65	1.000	0.99992
4363	12	15.65	832	68,704	1,294	0.643	82.58	53.09	1.257	0.99881
4371	3	2.49	93	4,197	1,506	0.062	45.13	2.79	1.000	0.99994
4372	1	1.43	11	946	418	0.026	86.00	2.26	1.000	0.99995
4373	1	0.63	1	38	744	0.001	38.00	0.05	1.000	0.99999
4431	4	6.03	158	16,292	1,331	0.119	103.11	12.24	1.000	0.99973
4432	2	1.75	9	735	435	0.021	81.67	1.69	1.125	0.99996
4511	1	1.95	1	117	1,114	0.001	117.00	0.11	1.000	0.99999
5603	3	4.53	44	4,413	1,217	0.036	100.30	3.63	1.048	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	192	425.17	13,830	1,859,432	156,374	0.088	134.45	11.89	1.213	0.99973

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
*2/1/2012 to 2/29/2012*  
**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	2.38	118	5,735	1,380	0.086	48.60	4.16	1.009	0.99990
1051	1	2.00	1	120	1,057	0.001	120.00	0.11	1.000	0.99999
1092	2	1.77	2	106	1,164	0.002	53.00	0.09	1.000	0.99999
1094	2	1.51	24	1,389	1,085	0.022	57.88	1.28	1.000	0.99997
1102	2	1.78	60	1,093	855	0.070	18.22	1.28	1.000	0.99997
1141	2	3.23	18	1,762	899	0.020	97.89	1.96	1.000	0.99995
1142	1	3.78	207	46,989	213	0.972	227.00	220.61	1.000	0.99453
1230	1	1.02	1	61	1,089	0.001	61.00	0.06	1.000	0.99999
1232	1	0.70	1	42	1,173	0.001	42.00	0.04	1.000	0.99999
1241	1	0.22	1	13	831	0.001	13.00	0.02	1.000	0.99999
1242	1	1.45	1	87	669	0.001	87.00	0.13	1.000	0.99999
1243	1	1.12	1	67	1,181	0.001	67.00	0.06	1.000	0.99999
1261	1	0.27	1	16	384	0.003	16.00	0.04	1.000	0.99999
1263	3	5.46	362	58,391	987	0.367	161.30	59.16	1.046	0.99853
1265	1	1.00	1	60	1,259	0.001	60.00	0.05	1.000	0.99999
1273	2	3.93	6	520	864	0.007	86.67	0.60	1.000	0.99999
1283	1	3.48	45	9,405	359	0.125	209.00	26.20	1.000	0.99935



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1285	2	1.05	180	10,209	1,076	0.167	56.72	9.49	1.006	0.99976
1311	1	0.90	1	54	265	0.004	54.00	0.20	1.000	0.99999
1451	1	1.67	3	300	595	0.005	100.00	0.50	1.000	0.99999
1453	1	2.15	1	129	1,773	0.001	129.00	0.07	1.000	0.99999
1523	1	1.07	1	64	701	0.001	64.00	0.09	1.000	0.99999
1841	1	1.73	125	13,000	1,746	0.072	104.00	7.45	1.000	0.99982
1843	2	1.94	15	714	1,063	0.014	47.60	0.67	1.071	0.99998
2091	3	3.78	1,423	65,577	862	1.651	46.08	76.08	1.664	0.99811
2171	1	1.00	67	4,020	548	0.122	60.00	7.34	1.000	0.99982
2211	1	0.92	3	165	721	0.004	55.00	0.23	1.000	0.99999
2951	2	2.84	37	1,570	1,357	0.027	42.43	1.16	1.028	0.99997
3081	1	0.77	1	46	563	0.002	46.00	0.08	1.000	0.99999
3221	1	2.28	25	3,425	1,224	0.020	137.00	2.80	1.000	0.99993
3304	1	1.88	22	2,486	963	0.023	113.00	2.58	1.000	0.99994
3314	1	2.02	3	363	222	0.014	121.00	1.64	1.000	0.99996
3422	2	4.92	2	295	962	0.002	147.50	0.31	1.000	0.99999
3471	1	1.55	1	93	161	0.006	93.00	0.58	1.000	0.99999
3472	3	4.03	103	12,742	1,538	0.067	123.71	8.28	1.020	0.99979
3551	1	1.40	9	756	1,006	0.009	84.00	0.75	1.000	0.99998
3553	1	1.57	1	94	1,018	0.001	94.00	0.09	1.000	0.99999
3621	2	6.22	2	373	1,545	0.001	186.50	0.24	1.000	0.99999
3661	1	0.65	1	39	1,089	0.001	39.00	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	CAIDI	SAIDI	CAIFI	ASAI
3662	2	3.62	2	217	1,121	0.002	108.50	0.19	1.000	0.99999
3663	5	5.92	6	434	775	0.008	72.33	0.56	1.000	0.99999
3675	1	0.70	4	168	415	0.010	42.00	0.40	1.000	0.99999
3891	2	2.15	407	31,313	418	0.974	76.94	74.91	3.769	0.99814
3893	1	1.48	1,065	94,785	1,078	0.988	89.00	87.93	1.000	0.99782
3901	1	1.68	1	101	859	0.001	101.00	0.12	1.000	0.99999
3913	1	0.53	1	32	944	0.001	32.00	0.03	1.000	0.99999
3914	2	2.08	2	125	636	0.003	62.50	0.20	2.000	0.99999
3951	1	0.67	1	40	1,073	0.001	40.00	0.04	1.000	0.99999
3952	1	2.03	29	3,538	374	0.078	122.00	9.46	1.000	0.99977
3981	3	3.44	41	2,902	1,371	0.030	70.78	2.12	1.000	0.99995
3982	2	2.02	169	11,411	1,745	0.097	67.52	6.54	1.000	0.99984
3991	1	1.35	17	1,377	708	0.024	81.00	1.94	1.000	0.99995
4092	1	0.53	1	32	416	0.002	32.00	0.08	1.000	0.99999
4102	2	1.60	42	2,176	894	0.047	51.81	2.43	1.000	0.99994
4134	2	5.71	19	3,308	828	0.023	174.11	4.00	1.000	0.99990
4138	1	0.30	1	18	708	0.001	18.00	0.03	1.000	0.99999
4142	1	1.07	26	1,664	583	0.045	64.00	2.85	1.000	0.99993
4154	1	1.00	11	660	1,095	0.010	60.00	0.60	1.000	0.99999
4171	1	1.08	91	5,915	924	0.098	65.00	6.40	1.000	0.99984
4172	6	7.27	123	8,742	1,645	0.075	71.07	5.31	1.025	0.99987
4212	1	2.70	1	162	793	0.001	162.00	0.20	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4221	1	1.75	1	105	477	0.002	105.00	0.22	1.000	0.99999
4223	3	1.61	102	3,085	1,612	0.063	30.25	1.91	1.000	0.99995
4312	1	1.28	1	77	976	0.001	77.00	0.08	1.000	0.99999
4324	1	1.12	21	1,407	1,086	0.019	67.00	1.30	1.000	0.99997
433	1	0.32	1	19	78	0.013	19.00	0.24	1.000	0.99999
4341	2	2.20	1,332	86,584	1,713	0.778	65.00	50.55	1.002	0.99875
4342	3	6.95	56	8,693	1,701	0.033	155.23	5.11	1.018	0.99987
4361	1	1.07	1	64	1,632	0.001	64.00	0.04	1.000	0.99999
4373	3	2.43	529	12,946	743	0.712	24.47	17.42	1.011	0.99957
4385	1	5.53	109	36,188	1,104	0.099	332.00	32.78	1.000	0.99919
4602	2	3.75	90	10,073	928	0.097	111.92	10.85	1.000	0.99973
5602	3	3.84	3	231	681	0.004	77.00	0.34	1.000	0.99999
5603	2	3.33	91	14,206	1,220	0.075	156.11	11.64	1.011	0.99971
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	120	165.55	7,273	585,168	157,093	0.046	80.46	3.72	1.124	0.99991

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
3/1/2012 to 3/31/2012  
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	2.47	199	16,302	1,380	0.144	81.92	11.81	1.005	0.99974
1051	2	1.40	374	15,460	1,057	0.354	41.34	14.63	1.000	0.99967
1082	2	4.51	2	271	1,279	0.002	135.50	0.21	1.000	0.99999
1091	5	10.26	10	1,211	1,626	0.006	121.10	0.74	1.000	0.99998
1092	1	1.83	1	110	1,164	0.001	110.00	0.09	1.000	0.99999
1094	2	3.93	11	1,289	1,085	0.010	117.18	1.19	1.000	0.99997
1101	2	2.25	4	307	878	0.005	76.75	0.35	1.333	0.99999
1102	1	1.40	1	84	855	0.001	84.00	0.10	1.000	0.99999
1211	2	3.20	499	85,584	1,463	0.341	171.51	58.50	1.029	0.99869
1212	1	1.18	1	71	320	0.003	71.00	0.22	1.000	0.99999
1230	3	5.95	44	3,268	1,089	0.040	74.27	3.00	1.000	0.99993
1232	1	0.97	1	58	1,173	0.001	58.00	0.05	1.000	0.99999
1241	3	2.42	99	4,232	831	0.119	42.75	5.09	1.000	0.99989
1242	1	0.90	1	54	669	0.001	54.00	0.08	1.000	0.99999
1262	4	3.69	1,954	80,412	2,085	0.937	41.15	38.57	1.012	0.99914
1263	1	2.03	43	5,246	987	0.044	122.00	5.32	1.000	0.99988
1265	1	5.52	1	331	1,259	0.001	331.00	0.26	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	2	73.07	13	4,824	919	0.014	371.08	5.25	1.000	0.99988
1273	1	2.92	6	1,050	864	0.007	175.00	1.22	1.000	0.99997
1282	1	2.42	1	145	906	0.001	145.00	0.16	1.000	0.99999
1284	2	2.40	23	1,509	854	0.027	65.61	1.77	1.000	0.99996
1285	1	2.32	1,071	148,869	1,076	0.995	139.00	138.35	1.000	0.99690
1311	1	1.13	5	340	265	0.019	68.00	1.28	1.000	0.99997
1451	2	3.45	16	1,593	595	0.027	99.56	2.68	1.000	0.99994
1452	1	2.10	1	126	448	0.002	126.00	0.28	1.000	0.99999
1453	1	1.90	1	114	1,773	0.001	114.00	0.06	1.000	0.99999
1454	5	5.30	201	4,546	906	0.222	22.62	5.02	1.000	0.99989
1455	3	2.78	1,726	155,237	1,809	0.954	89.94	85.81	1.001	0.99808
1841	4	3.17	4	190	1,746	0.002	47.50	0.11	1.000	0.99999
1842	1	3.00	43	7,740	272	0.158	180.00	28.46	1.000	0.99936
1843	3	5.67	54	5,593	1,063	0.051	103.57	5.26	1.000	0.99988
2091	11	5.47	99	3,849	862	0.115	38.88	4.47	1.000	0.99990
2171	1	0.83	10	500	548	0.018	50.00	0.91	1.000	0.99998
2211	1	0.43	21	546	721	0.029	26.00	0.76	1.000	0.99998
2212	1	0.43	29	754	1,253	0.023	26.00	0.60	1.000	0.99999
2621	1	1.70	39	3,978	1,123	0.035	102.00	3.54	1.000	0.99992
2921	1	1.25	1	75	402	0.002	75.00	0.19	1.000	0.99999
2951	3	6.66	23	3,294	1,357	0.017	143.22	2.43	1.000	0.99995
2961	2	1.37	29	1,002	649	0.045	34.55	1.54	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3122	5	95.88	52	87,903	841	0.062	1690.44	104.52	1.040	0.99766
3123	3	10.70	48	21,404	1,034	0.046	445.92	20.70	1.021	0.99954
3221	1	2.48	1	149	1,224	0.001	149.00	0.12	1.000	0.99999
3222	2	4.30	611	83,082	758	0.806	135.98	109.61	1.002	0.99754
3232	1	2.43	1	146	415	0.002	146.00	0.35	1.000	0.99999
3302	2	2.21	63	4,830	829	0.076	76.67	5.83	1.016	0.99987
3304	2	2.38	28	1,960	963	0.029	70.00	2.04	1.000	0.99995
3311	1	3.33	1	200	471	0.002	200.00	0.42	1.000	0.99999
3312	8	136.54	23	22,867	360	0.064	994.22	63.52	1.000	0.99858
3314	1	2.78	9	1,503	222	0.041	167.00	6.77	1.000	0.99985
3421	1	0.60	1	36	668	0.001	36.00	0.05	1.000	0.99999
3422	1	3.05	1	183	962	0.001	183.00	0.19	1.000	0.99999
3472	4	5.33	68	5,526	1,538	0.044	81.26	3.59	1.046	0.99992
3551	1	0.60	3	108	1,006	0.003	36.00	0.11	1.000	0.99999
3553	2	3.70	2	222	1,018	0.002	111.00	0.22	1.000	0.99999
3592	2	3.50	77	3,730	1,680	0.046	48.44	2.22	1.041	0.99995
3593	1	0.72	26	1,118	929	0.028	43.00	1.20	1.000	0.99997
3661	3	5.85	57	3,591	1,089	0.052	63.00	3.30	1.018	0.99993
3662	1	1.90	1	114	1,121	0.001	114.00	0.10	1.000	0.99999
3663	5	4.85	5	291	775	0.006	58.20	0.38	1.000	0.99999
3671	1	0.58	72	2,520	1,108	0.065	35.00	2.27	1.000	0.99995
3672	1	0.65	143	5,577	133	1.075	39.00	41.93	1.000	0.99906

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3691	2	5.50	93	13,343	1,133	0.082	143.47	11.78	1.011	0.99974
3693	1	1.68	20	2,020	183	0.109	101.00	11.04	1.000	0.99975
3694	1	0.97	7	406	1,233	0.006	58.00	0.33	1.000	0.99999
3871	1	2.43	8	1,168	1,365	0.006	146.00	0.86	1.000	0.99998
3872	1	5.23	30	9,420	1,146	0.026	314.00	8.22	1.000	0.99982
3878	4	31.63	112	95,066	796	0.141	848.80	119.43	1.009	0.99732
3891	1	1.63	1	98	418	0.002	98.00	0.23	1.000	0.99999
3893	3	4.95	74	8,727	1,078	0.069	117.93	8.10	1.014	0.99982
3894	2	6.48	2	389	112	0.018	194.50	3.47	1.000	0.99992
3902	1	1.95	14	1,638	97	0.144	117.00	16.89	1.000	0.99962
3912	1	0.60	402	14,472	452	0.889	36.00	32.02	1.000	0.99928
3913	6	8.35	981	38,148	944	1.039	38.89	40.41	1.041	0.99909
3914	3	3.48	614	20,372	636	0.965	33.18	32.03	1.003	0.99928
3951	1	1.30	61	4,758	1,073	0.057	78.00	4.43	1.000	0.99990
3981	3	2.81	4	231	1,371	0.003	57.75	0.17	1.000	0.99999
3982	5	5.48	223	12,923	1,745	0.128	57.95	7.41	1.009	0.99983
3991	17	23.94	349	27,001	708	0.493	77.37	38.14	1.045	0.99915
403	3	4.29	8	907	261	0.031	113.38	3.48	1.143	0.99992
4031	1	2.33	1	140	692	0.001	140.00	0.20	1.000	0.99999
405	1	1.90	1	114	43	0.023	114.00	2.65	1.000	0.99994
4092	1	0.75	1	45	416	0.002	45.00	0.11	1.000	0.99999
4101	1	1.40	38	3,192	578	0.066	84.00	5.52	1.000	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	1	2.20	1	132	894	0.001	132.00	0.15	1.000	0.99999
4131	2	25.22	2	1,513	195	0.010	756.50	7.76	1.000	0.99983
4132	5	1.09	119	1,547	564	0.211	13.00	2.74	1.092	0.99994
4136	2	12.41	43	26,588	670	0.064	618.33	39.68	1.194	0.99911
4137	4	39.70	21	29,095	806	0.026	1385.48	36.10	1.000	0.99919
4138	3	21.76	18	1,801	708	0.025	100.06	2.54	1.000	0.99994
4142	1	0.65	30	1,170	583	0.051	39.00	2.01	1.000	0.99996
4151	5	6.80	34	5,628	1,229	0.028	165.53	4.58	1.030	0.99990
4152	1	0.83	43	2,150	781	0.055	50.00	2.75	1.000	0.99994
4153	2	3.40	15	1,829	1,275	0.012	121.93	1.43	1.000	0.99997
4171	3	7.10	3	426	924	0.003	142.00	0.46	1.000	0.99999
4172	7	5.57	177	10,165	1,645	0.108	57.43	6.18	1.017	0.99986
4173	4	3.67	51	3,070	607	0.084	60.20	5.06	1.020	0.99989
4182	2	2.05	8	489	996	0.008	61.13	0.49	1.000	0.99999
4211	1	0.80	648	31,104	656	0.988	48.00	47.41	1.000	0.99894
4212	3	2.51	3	151	793	0.004	50.33	0.19	1.000	0.99999
4221	2	2.04	475	19,042	477	0.996	40.09	39.92	1.002	0.99911
4223	2	1.08	1,482	56,771	1,612	0.919	38.31	35.22	1.056	0.99921
4224	2	2.90	692	28,338	679	1.019	40.95	41.73	1.010	0.99907
4302	1	1.27	19	1,444	1,097	0.017	76.00	1.32	1.000	0.99997
4303	2	2.86	33	2,838	791	0.042	86.00	3.59	1.000	0.99992
4324	2	2.60	1,085	148,527	1,086	0.999	136.89	136.77	1.001	0.99694



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4331	2	55.69	8	22,175	296	0.027	2771.88	74.92	1.000	0.99832
4333	1	0.65	1	39	546	0.002	39.00	0.07	1.000	0.99999
4334	1	1.83	1	110	299	0.003	110.00	0.37	1.000	0.99999
4343	1	1.00	73	4,380	1,010	0.072	60.00	4.34	1.000	0.99990
4361	1	0.33	1	20	1,632	0.001	20.00	0.01	1.000	0.99999
4362	1	0.58	1	35	809	0.001	35.00	0.04	1.000	0.99999
4363	2	1.70	18	1,222	1,310	0.014	67.89	0.93	1.059	0.99998
4371	3	3.72	41	2,841	1,510	0.027	69.29	1.88	1.025	0.99996
4372	1	2.47	1	148	419	0.002	148.00	0.35	1.000	0.99999
4373	10	16.45	226	41,642	743	0.304	184.26	56.05	1.119	0.99874
4385	1	3.27	1	196	1,104	0.001	196.00	0.18	1.000	0.99999
4386	1	0.40	77	1,848	1,647	0.047	24.00	1.12	1.000	0.99997
4431	1	0.87	1	52	1,335	0.001	52.00	0.04	1.000	0.99999
4432	2	2.09	27	2,925	437	0.062	108.33	6.69	1.038	0.99985
4601	1	1.23	7	518	404	0.017	74.00	1.28	1.000	0.99997
4602	1	1.48	159	14,151	928	0.171	89.00	15.25	1.000	0.99966
5602	2	1.53	2	92	681	0.003	46.00	0.14	1.000	0.99999
5603	4	2.65	1,233	81,523	1,220	1.011	66.12	66.82	1.052	0.99850
6021	1	0.57	24	816	674	0.036	34.00	1.21	1.000	0.99997
6141	1	1.08	13	845	613	0.021	65.00	1.38	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	287	845.22	17,915	1,611,198	157,093	0.114	89.94	10.26	1.017	0.99977

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
4/1/2012 to 4/30/2012  
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1051	3	6.96	217	15,709	1,060	0.205	72.39	14.82	1.005	0.99966
1082	4	8.13	28	2,930	1,283	0.022	104.64	2.28	1.037	0.99995
1091	11	23.05	38	3,678	1,630	0.023	96.79	2.26	1.000	0.99995
1092	3	4.02	1,166	119,274	1,168	0.998	102.29	102.12	1.014	0.99764
1094	1	0.55	1	33	1,090	0.001	33.00	0.03	1.000	0.99999
1101	2	3.15	2	189	922	0.002	94.50	0.20	2.000	0.99999
1141	2	4.20	877	122,177	899	0.976	139.31	135.90	1.305	0.99685
1142	1	0.87	8	416	213	0.038	52.00	1.95	1.000	0.99995
1211	5	6.39	2,933	133,311	1,463	2.005	45.45	91.12	1.987	0.99789
1212	2	2.12	2	127	320	0.006	63.50	0.40	1.000	0.99999
1230	6	5.08	2,040	53,389	1,095	1.863	26.17	48.76	2.004	0.99887
1232	2	4.50	13	1,737	1,174	0.011	133.62	1.48	1.000	0.99997
1233	1	0.83	1	50	638	0.002	50.00	0.08	1.000	0.99999
1241	1	0.68	17	697	832	0.020	41.00	0.84	1.000	0.99998
1242	1	2.13	1	128	669	0.001	128.00	0.19	1.000	0.99999
1243	1	1.03	7	434	1,182	0.006	62.00	0.37	1.000	0.99999
1262	2	1.76	2	106	2,104	0.001	53.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	1	1.07	3	192	990	0.003	64.00	0.19	1.000	0.99999
1265	5	9.92	218	26,524	1,260	0.173	121.67	21.05	1.043	0.99951
1267	1	0.37	23	506	76	0.303	22.00	6.66	1.000	0.99985
1271	4	6.13	4	368	920	0.004	92.00	0.40	1.333	0.99999
1273	1	0.68	88	3,608	864	0.102	41.00	4.18	1.000	0.99990
1282	3	2.95	83	3,521	907	0.092	42.42	3.88	1.000	0.99991
1283	3	4.85	3	291	359	0.008	97.00	0.81	1.000	0.99998
1284	4	2.34	4	140	854	0.005	35.00	0.16	1.000	0.99999
1285	1	1.33	1	80	1,076	0.001	80.00	0.07	1.000	0.99999
1451	3	7.32	264	41,706	604	0.437	157.98	69.05	1.031	0.99840
1454	4	3.63	4	218	906	0.004	54.50	0.24	1.000	0.99999
1455	2	1.88	66	3,313	1,822	0.036	50.20	1.82	1.015	0.99996
1521	1	1.72	330	33,990	351	0.940	103.00	96.84	1.000	0.99776
1523	1	1.90	22	2,508	702	0.031	114.00	3.57	1.000	0.99992
1841	1	0.83	1	50	1,174	0.001	50.00	0.04	1.000	0.99999
1842	1	2.23	1	134	272	0.004	134.00	0.49	1.000	0.99999
1843	11	32.05	28	6,230	1,064	0.026	222.50	5.86	1.273	0.99986
2051	1	2.30	1	138	160	0.006	138.00	0.86	1.000	0.99998
2052	3	7.48	3	449	84	0.036	149.67	5.35	1.500	0.99988
2091	2	1.10	72	2,882	864	0.083	40.03	3.34	1.000	0.99992
2172	1	1.03	1	62	216	0.005	62.00	0.29	1.000	0.99999
2211	2	1.82	22	1,210	721	0.031	55.00	1.68	1.100	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2212	1	1.12	9	603	1,254	0.007	67.00	0.48	1.000	0.99999
2511	1	1.50	49	4,410	607	0.081	90.00	7.27	1.000	0.99983
2621	5	5.90	1,164	79,268	1,124	1.036	68.10	70.52	1.045	0.99837
2622	1	1.42	1	85	112	0.009	85.00	0.76	1.000	0.99998
2921	2	2.43	71	6,108	402	0.177	86.03	15.19	1.315	0.99965
2951	8	45.37	1,379	88,460	1,358	1.015	64.15	65.14	1.046	0.99849
3082	1	1.05	2	126	321	0.006	63.00	0.39	1.000	0.99999
3122	5	8.86	5	532	840	0.006	106.40	0.63	1.000	0.99999
3123	2	2.69	17	1,211	1,029	0.017	71.24	1.18	1.000	0.99997
3181	1	2.18	1	131	706	0.001	131.00	0.19	1.000	0.99999
3221	9	12.43	167	14,650	1,224	0.136	87.72	11.97	1.031	0.99972
3222	1	3.43	1	206	758	0.001	206.00	0.27	1.000	0.99999
3232	2	3.59	2	215	417	0.005	107.50	0.52	2.000	0.99999
3304	1	0.82	32	1,568	968	0.033	49.00	1.62	1.000	0.99996
3313	3	2.12	109	4,049	929	0.117	37.15	4.36	1.019	0.99990
3314	2	3.97	33	3,958	222	0.149	119.94	17.83	1.000	0.99959
3315	1	0.78	2	94	1,560	0.001	47.00	0.06	1.000	0.99999
3422	2	1.62	4	165	962	0.004	41.25	0.17	1.333	0.99999
3471	1	2.75	1	165	162	0.006	165.00	1.02	1.000	0.99998
3472	4	5.32	241	19,243	1,542	0.156	79.85	12.48	1.034	0.99971
3551	1	1.10	1	66	1,006	0.001	66.00	0.07	1.000	0.99999
3552	2	5.21	10	2,609	570	0.018	260.90	4.58	1.000	0.99989

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3591	1	0.52	13	403	1,118	0.012	31.00	0.36	1.000	0.99999
3593	3	10.00	155	26,722	929	0.167	172.40	28.76	1.000	0.99933
3621	6	9.69	23	2,418	1,548	0.015	105.13	1.56	1.000	0.99996
3661	3	15.95	26	10,160	1,095	0.024	390.77	9.28	1.000	0.99979
3662	4	3.67	133	5,466	1,126	0.118	41.10	4.85	1.000	0.99989
3663	9	21.22	95	9,312	776	0.122	98.02	12.00	1.067	0.99972
3671	4	4.67	5	401	1,252	0.004	80.20	0.32	1.000	0.99999
3691	1	1.83	3	330	1,136	0.003	110.00	0.29	1.000	0.99999
3692	2	5.58	2	335	402	0.005	167.50	0.83	1.000	0.99998
3694	3	6.62	33	4,453	1,235	0.027	134.94	3.61	1.000	0.99992
3701	2	3.72	2	223	472	0.004	111.50	0.47	2.000	0.99999
3751	2	1.26	2	76	854	0.002	38.00	0.09	1.000	0.99999
3871	2	1.76	2	106	1,364	0.001	53.00	0.08	1.000	0.99999
3873	1	1.70	1	102	787	0.001	102.00	0.13	1.000	0.99999
3878	2	5.47	20	4,000	784	0.026	200.00	5.10	1.000	0.99988
3891	1	2.02	1	121	418	0.002	121.00	0.29	1.000	0.99999
3893	8	15.66	180	15,948	1,079	0.167	88.60	14.78	1.078	0.99966
3901	1	2.02	851	102,971	860	0.990	121.00	119.73	1.000	0.99723
3902	3	6.47	109	13,276	97	1.124	121.80	136.87	1.147	0.99683
3903	12	24.89	37	5,814	286	0.129	157.14	20.33	1.000	0.99953
3913	3	5.35	171	10,660	944	0.181	62.34	11.29	1.006	0.99974
3914	10	10.59	99	7,121	640	0.155	71.93	11.13	1.010	0.99974

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3951	4	9.87	97	14,149	1,072	0.090	145.87	13.20	1.021	0.99969
3952	3	8.86	8	1,397	374	0.021	174.63	3.74	1.000	0.99991
3981	2	2.43	647	30,461	1,371	0.472	47.08	22.22	1.002	0.99949
3982	6	8.69	108	9,100	1,745	0.062	84.26	5.21	1.000	0.99988
3991	3	3.81	27	2,988	710	0.038	110.67	4.21	1.000	0.99990
4031	6	12.02	917	114,635	692	1.325	125.01	165.66	1.325	0.99617
4091	3	2.63	33	1,598	1,134	0.029	48.42	1.41	1.031	0.99997
4092	3	4.61	25	2,800	416	0.060	112.00	6.73	1.042	0.99984
4102	1	2.07	1	124	894	0.001	124.00	0.14	1.000	0.99999
4133	2	1.30	2	78	473	0.004	39.00	0.16	1.000	0.99999
4137	1	0.93	97	5,432	492	0.197	56.00	11.04	1.000	0.99974
4141	2	4.42	2	265	80	0.025	132.50	3.31	1.000	0.99992
4151	2	1.68	37	2,586	1,227	0.030	69.89	2.11	1.000	0.99995
4155	3	5.80	8	955	2,034	0.004	119.38	0.47	1.333	0.99999
4171	1	0.70	26	1,092	879	0.030	42.00	1.24	1.000	0.99997
4172	8	6.54	450	22,063	1,651	0.273	49.03	13.36	1.049	0.99969
4173	1	2.58	1	155	610	0.002	155.00	0.25	1.000	0.99999
4181	1	1.40	15	1,260	474	0.032	84.00	2.66	1.000	0.99994
4212	5	4.52	165	9,748	796	0.207	59.08	12.25	1.000	0.99972
4223	2	2.30	53	3,606	1,654	0.032	68.04	2.18	1.000	0.99995
4224	1	4.92	4	1,180	714	0.006	295.00	1.65	1.000	0.99996
4302	1	1.23	1	74	1,060	0.001	74.00	0.07	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4311	2	1.30	22	358	944	0.023	16.27	0.38	1.048	0.99999
4312	2	2.76	107	8,986	976	0.110	83.98	9.21	1.000	0.99979
4313	4	5.72	59	6,018	539	0.109	102.00	11.17	1.017	0.99974
4331	1	0.58	8	280	489	0.016	35.00	0.57	1.000	0.99999
4341	2	3.65	2	219	1,714	0.001	109.50	0.13	1.000	0.99999
4342	2	1.05	51	1,734	1,698	0.030	34.00	1.02	1.000	0.99998
4343	1	0.73	1	44	1,011	0.001	44.00	0.04	1.000	0.99999
4361	1	0.45	19	513	1,632	0.012	27.00	0.31	1.000	0.99999
4362	2	4.11	2	247	810	0.002	123.50	0.30	1.000	0.99999
4363	1	0.92	18	990	1,436	0.013	55.00	0.69	1.000	0.99998
4371	3	5.58	25	5,263	1,513	0.017	210.52	3.48	1.042	0.99992
4373	3	6.68	3	401	744	0.004	133.67	0.54	1.000	0.99999
4431	3	6.01	71	8,597	1,336	0.053	121.08	6.43	1.014	0.99985
4432	5	9.39	49	3,788	438	0.112	77.31	8.65	1.000	0.99980
4476	1	2.22	1	133	24	0.042	133.00	5.54	1.000	0.99987
4511	1	0.57	1	34	1,115	0.001	34.00	0.03	1.000	0.99999
4601	1	4.33	1	260	404	0.002	260.00	0.64	1.000	0.99999
4602	2	6.10	7	1,411	930	0.008	201.57	1.52	1.000	0.99996
5603	6	4.17	2,447	86,011	1,230	1.989	35.15	69.93	2.100	0.99838
6141	3	3.56	163	17,334	614	0.265	106.34	28.23	1.000	0.99935



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	350	609.89	19,640	1,399,212	155,872	0.126	71.24	8.98	1.276	0.99979

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
5/1/2012 to 5/31/2012  
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	9.72	122	14,362	1,413	0.086	117.72	10.16	1.000	0.99977
1051	1	2.88	7	1,211	1,062	0.007	173.00	1.14	1.000	0.99997
1081	1	1.20	19	2,520	19	1.000	132.63	132.63	1.000	0.99703
1082	3	4.55	1,398	112,614	1,287	1.086	80.55	87.50	1.085	0.99804
1091	8	6.61	84	4,004	1,633	0.051	47.67	2.45	1.012	0.99995
1092	12	12.62	112	5,643	1,172	0.096	50.38	4.81	1.000	0.99989
1093	1	0.95	51	2,907	226	0.226	57.00	12.86	1.000	0.99971
1094	5	3.85	32	1,631	1,095	0.029	50.97	1.49	1.000	0.99997
1101	2	1.92	2	115	965	0.002	57.50	0.12	1.000	0.99999
1102	3	2.56	52	2,778	624	0.083	53.42	4.45	1.000	0.99990
1141	3	5.67	21	3,004	899	0.023	143.05	3.34	1.000	0.99993
1211	1	0.72	14	602	1,463	0.010	43.00	0.41	1.000	0.99999
1213	2	1.95	52	3,042	541	0.096	58.50	5.62	2.000	0.99987
1230	6	7.59	176	22,137	1,101	0.160	125.78	20.11	1.006	0.99955
1232	6	5.73	1,522	72,676	1,174	1.296	47.75	61.90	1.301	0.99861
1241	7	10.75	156	13,553	832	0.188	86.88	16.29	1.333	0.99964
1243	3	4.85	31	1,675	1,182	0.026	54.03	1.42	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1262	6	10.81	2,005	360,469	2,123	0.944	179.79	169.79	1.003	0.99620
1265	4	4.10	120	6,522	1,262	0.095	54.35	5.17	1.132	0.99988
1271	4	7.12	4	427	922	0.004	106.75	0.46	1.000	0.99999
1273	1	1.52	1	91	864	0.001	91.00	0.11	1.000	0.99999
1282	6	3.54	458	16,103	908	0.504	35.16	17.73	1.016	0.99960
1284	5	4.89	49	2,914	853	0.057	59.47	3.42	1.021	0.99992
1285	1	1.03	179	11,098	1,077	0.166	62.00	10.30	1.000	0.99977
1311	1	2.45	1	147	265	0.004	147.00	0.55	1.000	0.99999
1312	1	6.28	6	2,262	912	0.007	377.00	2.48	1.000	0.99994
1451	2	3.00	2	180	612	0.003	90.00	0.29	1.000	0.99999
1452	10	15.45	154	9,504	449	0.343	61.71	21.17	1.077	0.99953
1453	6	6.87	494	25,576	1,790	0.276	51.77	14.29	1.000	0.99968
1454	2	1.50	65	1,602	905	0.072	24.65	1.77	1.016	0.99996
1455	6	12.40	241	40,795	1,835	0.131	169.27	22.23	1.000	0.99950
1521	2	3.61	74	7,219	352	0.210	97.55	20.51	1.000	0.99954
1522	1	1.85	1	111	98	0.010	111.00	1.13	1.000	0.99997
1523	2	3.15	24	1,641	702	0.034	68.38	2.34	1.043	0.99995
1841	6	9.63	73	7,246	602	0.121	99.26	12.04	1.304	0.99973
1843	5	6.25	90	5,800	1,066	0.084	64.44	5.44	1.023	0.99988
2052	2	4.31	2	259	83	0.024	129.50	3.12	2.000	0.99993
2091	1	1.48	1	89	865	0.001	89.00	0.10	1.000	0.99999
2092	1	1.18	27	1,917	899	0.030	71.00	2.13	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2171	1	1.88	1	113	550	0.002	113.00	0.21	1.000	0.99999
2211	5	3.95	69	3,993	721	0.096	57.87	5.54	1.045	0.99988
2212	2	1.77	11	646	1,255	0.009	58.73	0.51	1.000	0.99999
2511	1	1.30	4	312	607	0.007	78.00	0.51	1.000	0.99999
2621	5	7.90	25	1,730	1,126	0.022	69.20	1.54	1.000	0.99997
2921	1	1.35	1	81	402	0.002	81.00	0.20	1.000	0.99999
2951	4	6.34	214	22,281	1,360	0.157	104.12	16.38	1.044	0.99963
2962	1	1.95	1	117	251	0.004	117.00	0.47	1.000	0.99999
3041	1	1.90	78	8,892	79	0.987	114.00	112.56	1.000	0.99748
3081	1	0.70	1	42	563	0.002	42.00	0.07	1.000	0.99999
3121	4	4.30	60	4,293	1,072	0.056	71.55	4.00	1.053	0.99991
3122	1	0.83	1	50	838	0.001	50.00	0.06	1.000	0.99999
3123	3	2.63	886	35,568	1,024	0.865	40.14	34.73	1.474	0.99922
3181	1	2.17	1	130	706	0.001	130.00	0.18	1.000	0.99999
3221	9	11.76	1,378	231,992	1,224	1.126	168.35	189.54	1.120	0.99575
3222	4	6.86	10	813	759	0.013	81.30	1.07	1.111	0.99998
3231	1	0.97	24	1,392	407	0.059	58.00	3.42	1.000	0.99992
3232	1	1.58	38	3,610	419	0.091	95.00	8.62	1.000	0.99981
3302	1	1.15	45	3,105	833	0.054	69.00	3.73	1.000	0.99992
3304	4	4.36	70	3,297	974	0.072	47.10	3.39	1.014	0.99992
3311	6	5.49	505	33,988	500	1.010	67.30	67.98	1.329	0.99848
3312	2	1.55	82	6,173	1,167	0.070	75.28	5.29	1.000	0.99988

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3313	2	5.83	32	4,400	928	0.034	137.50	4.74	1.032	0.99989
3314	1	1.58	209	19,855	222	0.941	95.00	89.44	1.000	0.99800
3315	6	7.70	1,156	252,342	1,562	0.740	218.29	161.55	1.033	0.99638
3423	2	1.43	42	1,806	379	0.111	43.00	4.77	1.000	0.99989
3471	1	1.72	1	103	162	0.006	103.00	0.64	1.000	0.99999
3472	13	28.26	309	38,073	1,545	0.200	123.21	24.64	1.020	0.99945
3552	2	1.67	36	1,800	570	0.063	50.00	3.16	1.059	0.99993
3553	4	4.39	82	6,974	1,020	0.080	85.05	6.84	1.025	0.99985
3591	2	2.15	66	4,501	1,119	0.059	68.20	4.02	1.000	0.99991
3592	4	9.77	115	19,181	1,680	0.068	166.79	11.42	1.009	0.99974
3593	1	1.25	121	9,075	929	0.130	75.00	9.77	1.000	0.99978
3621	2	3.95	51	5,916	1,550	0.033	116.00	3.82	1.000	0.99991
3661	6	4.99	151	9,296	1,101	0.137	61.56	8.44	1.495	0.99981
3662	4	8.60	81	12,506	1,130	0.072	154.40	11.07	1.025	0.99975
3663	9	10.59	132	8,673	776	0.170	65.70	11.18	1.023	0.99975
3671	2	3.02	1,409	161,986	1,397	1.009	114.97	115.95	1.001	0.99740
3691	2	1.75	6	321	1,138	0.005	53.50	0.28	1.200	0.99999
3693	1	0.98	1	59	183	0.005	59.00	0.32	1.000	0.99999
3694	1	1.05	1	63	1,237	0.001	63.00	0.05	1.000	0.99999
3701	1	1.23	500	37,000	473	1.057	74.00	78.22	1.000	0.99825
3702	2	3.03	662	50,514	594	1.114	76.31	85.04	1.043	0.99809
3751	7	7.26	944	9,861	855	1.104	10.45	11.53	1.085	0.99974

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3871	1	1.50	179	16,110	1,362	0.131	90.00	11.83	1.000	0.99974
3872	1	1.22	3	219	1,146	0.003	73.00	0.19	1.000	0.99999
3878	7	12.14	108	10,651	772	0.140	98.62	13.80	1.059	0.99969
3891	2	6.42	2	385	418	0.005	192.50	0.92	1.000	0.99998
3892	1	3.37	1	202	462	0.002	202.00	0.44	1.000	0.99999
3893	15	16.65	351	26,892	1,080	0.325	76.62	24.90	1.060	0.99944
3901	2	4.53	11	1,262	861	0.013	114.73	1.47	1.000	0.99997
3902	1	1.78	1	107	97	0.010	107.00	1.10	1.000	0.99998
3912	3	2.42	522	21,090	538	0.970	40.40	39.20	1.018	0.99912
3913	4	5.23	76	6,061	945	0.080	79.75	6.41	1.027	0.99986
3914	1	5.98	56	20,104	645	0.087	359.00	31.17	1.000	0.99930
3951	6	6.10	214	10,360	1,072	0.200	48.41	9.66	1.014	0.99978
3952	1	1.73	30	3,120	374	0.080	104.00	8.34	1.000	0.99981
3971	1	3.23	3	582	649	0.005	194.00	0.90	1.000	0.99998
3981	3	8.21	3	493	1,371	0.002	164.33	0.36	1.000	0.99999
3982	12	10.34	1,009	62,195	1,745	0.578	61.64	35.64	1.033	0.99920
3991	4	4.61	730	57,099	711	1.027	78.22	80.31	1.052	0.99820
3992	1	1.87	22	2,464	162	0.136	112.00	15.21	1.000	0.99966
403	1	0.30	1	18	261	0.004	18.00	0.07	1.000	0.99999
4031	4	8.71	98	15,797	693	0.141	161.19	22.80	1.065	0.99949
4091	2	7.27	46	16,936	1,134	0.041	368.17	14.93	1.022	0.99967
4092	1	2.25	1	135	417	0.002	135.00	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	CAIDI	SAIDI	CAIFI	ASAI
4101	3	6.38	686	95,297	578	1.187	138.92	164.87	1.173	0.99631
4102	3	3.28	19	1,197	894	0.021	63.00	1.34	1.000	0.99997
4131	4	4.74	709	20,708	858	0.826	29.21	24.14	1.035	0.99946
4142	1	1.95	1	117	583	0.002	117.00	0.20	1.000	0.99999
4151	7	7.77	148	10,992	1,225	0.121	74.27	8.97	1.194	0.99980
4152	1	1.78	1	107	781	0.001	107.00	0.14	1.000	0.99999
4153	8	10.78	1,091	95,382	1,280	0.852	87.43	74.52	1.215	0.99833
4154	3	2.65	33	1,509	1,106	0.030	45.73	1.36	1.000	0.99997
4155	2	3.82	36	4,122	2,037	0.018	114.50	2.02	1.200	0.99995
4171	3	3.34	63	4,473	834	0.076	71.00	5.36	1.000	0.99988
4172	14	19.16	771	97,524	1,657	0.465	126.49	58.86	1.056	0.99868
4173	2	0.81	44	1,078	612	0.072	24.50	1.76	2.000	0.99996
4181	2	2.93	495	39,824	475	1.042	80.45	83.84	1.029	0.99812
4182	1	0.40	1	24	997	0.001	24.00	0.02	1.000	0.99999
4211	8	8.61	16	1,226	660	0.024	76.63	1.86	1.000	0.99996
4212	6	5.96	62	4,500	798	0.078	72.58	5.64	1.000	0.99987
4221	3	5.27	65	8,934	477	0.136	137.45	18.73	1.032	0.99958
4223	9	18.77	199	23,171	1,697	0.117	116.44	13.65	1.015	0.99969
4302	2	1.58	29	1,283	1,023	0.028	44.24	1.25	1.000	0.99997
4303	1	1.63	806	78,988	807	0.999	98.00	97.88	1.000	0.99781
4311	1	0.67	15	600	988	0.015	40.00	0.61	1.000	0.99999
4312	1	2.38	1	143	976	0.001	143.00	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	CAIDI	SAIDI	CAIFI	ASAI
4313	4	7.17	12	799	544	0.022	66.58	1.47	1.333	0.99997
4324	7	4.47	23	1,532	1,132	0.020	66.61	1.35	1.000	0.99997
4341	3	2.88	33	2,261	1,716	0.019	68.52	1.32	1.031	0.99997
4342	8	8.92	232	14,317	1,696	0.137	61.71	8.44	1.036	0.99981
4343	8	9.66	108	9,391	1,012	0.107	86.95	9.28	1.113	0.99979
4362	3	2.07	91	4,960	810	0.112	54.51	6.12	1.000	0.99986
4363	9	7.80	146	7,218	1,563	0.093	49.44	4.62	1.021	0.99990
4371	4	5.92	47	3,186	1,516	0.031	67.79	2.10	1.022	0.99995
4372	2	3.93	2	236	420	0.005	118.00	0.56	1.000	0.99999
4373	2	3.74	2	224	746	0.003	112.00	0.30	1.000	0.99999
4385	6	16.89	136	31,943	1,104	0.123	234.88	28.93	1.023	0.99935
4386	2	2.50	219	24,454	1,646	0.133	111.66	14.86	1.005	0.99967
4431	22	33.83	281	27,483	1,338	0.210	97.80	20.54	1.022	0.99954
4432	3	6.00	88	10,456	440	0.200	118.82	23.76	1.011	0.99947
4511	1	0.65	34	1,326	1,115	0.030	39.00	1.19	1.000	0.99997
4601	2	5.07	2	304	405	0.005	152.00	0.75	1.000	0.99998
4602	4	9.00	191	23,152	932	0.205	121.21	24.84	1.044	0.99944
5601	3	2.72	444	31,033	1,139	0.390	69.89	27.25	1.005	0.99939
5603	5	5.01	94	3,980	1,241	0.076	42.34	3.21	1.022	0.99993
6141	7	6.85	77	4,754	614	0.125	61.74	7.74	1.013	0.99983
6142	2	1.53	39	1,646	297	0.131	42.21	5.54	1.000	0.99988



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	544	758.56	28,593	2,751,505	157,732	0.181	96.23	17.44	1.073	0.99961

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

6/1/2012 to 6/30/2012

EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.66	100	5,000	1,413	0.071	50.00	3.54	1.020	0.99992
1051	1	1.07	1	64	1,062	0.001	64.00	0.06	1.000	0.99999
1052	2	0.59	2	35	288	0.007	17.50	0.12	1.000	0.99999
1082	4	4.47	73	7,202	1,287	0.057	98.66	5.60	1.106	0.99987
1091	3	3.07	55	1,692	1,633	0.034	30.76	1.04	1.000	0.99998
1092	2	2.10	38	2,212	1,172	0.032	58.21	1.89	1.027	0.99996
1093	1	1.85	4	444	226	0.018	111.00	1.96	1.000	0.99995
1094	10	9.34	227	12,747	1,095	0.207	56.15	11.64	1.013	0.99973
1101	1	3.38	1	203	965	0.001	203.00	0.21	1.000	0.99999
1102	3	2.08	60	2,426	624	0.096	40.43	3.89	1.000	0.99991
1142	1	1.63	207	20,286	213	0.972	98.00	95.24	1.000	0.99780
1211	6	7.09	43	2,705	1,463	0.029	62.91	1.85	1.049	0.99996
1212	2	2.30	2	138	320	0.006	69.00	0.43	1.000	0.99999
1213	3	7.12	16	2,266	541	0.030	141.63	4.19	1.000	0.99990
1230	1	3.95	11	2,607	1,101	0.010	237.00	2.37	1.000	0.99995
1232	3	2.51	1,172	35,221	1,174	0.998	30.05	30.00	1.002	0.99931
1233	1	0.93	24	1,344	638	0.038	56.00	2.11	1.000	0.99995

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	2	2.90	10	786	832	0.012	78.60	0.94	1.111	0.99998
1243	2	1.96	2	118	1,182	0.002	59.00	0.10	1.000	0.99999
1261	2	2.91	398	15,916	385	1.034	39.99	41.34	1.021	0.99904
1262	3	2.85	7	303	2,123	0.003	43.29	0.14	1.000	0.99999
1265	1	0.57	32	1,088	1,262	0.025	34.00	0.86	1.000	0.99998
1271	5	4.36	5	261	922	0.005	52.20	0.28	1.000	0.99999
1273	1	0.62	13	481	864	0.015	37.00	0.56	1.000	0.99999
1282	2	8.20	3	880	908	0.003	293.33	0.97	1.000	0.99998
1284	2	1.74	7	409	853	0.008	58.43	0.48	1.167	0.99999
1285	2	7.22	368	79,672	1,077	0.342	216.50	73.98	1.022	0.99829
1311	3	2.25	3	135	265	0.011	45.00	0.51	1.000	0.99999
1312	6	6.87	39	2,702	912	0.043	69.28	2.96	1.083	0.99993
1452	3	2.07	16	709	449	0.036	44.31	1.58	1.143	0.99996
1453	4	15.39	11	1,211	1,790	0.006	110.09	0.68	1.000	0.99998
1454	2	0.83	65	1,877	905	0.072	28.88	2.07	1.016	0.99995
1455	5	6.08	283	22,943	1,835	0.154	81.07	12.50	1.000	0.99971
1523	8	22.42	142	22,660	702	0.202	159.58	32.28	1.291	0.99925
1841	6	7.10	93	6,319	602	0.154	67.95	10.50	1.022	0.99976
1842	1	1.38	1	83	273	0.004	83.00	0.30	1.000	0.99999
1843	1	0.70	54	2,268	1,066	0.051	42.00	2.13	1.000	0.99995
2051	1	3.92	160	37,600	160	1.000	235.00	235.00	1.000	0.99456
2091	1	1.28	1	77	865	0.001	77.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2092	2	3.25	2	195	899	0.002	97.50	0.22	1.000	0.99999
2171	2	1.51	68	3,391	550	0.124	49.87	6.17	1.015	0.99986
2172	1	1.50	218	19,620	217	1.005	90.00	90.41	1.000	0.99791
2211	1	0.73	16	704	721	0.022	44.00	0.98	1.000	0.99998
2212	6	9.74	27	2,920	1,255	0.022	108.15	2.33	1.080	0.99995
2621	2	5.01	158	28,693	1,126	0.140	181.60	25.48	1.006	0.99941
2921	1	3.75	1	225	402	0.002	225.00	0.56	1.000	0.99999
2951	8	15.28	510	35,623	1,360	0.375	69.85	26.19	1.041	0.99939
2961	1	2.75	1	165	649	0.002	165.00	0.25	1.000	0.99999
3121	5	8.78	110	10,922	1,072	0.103	99.29	10.19	1.009	0.99976
3122	2	2.73	2	164	838	0.002	82.00	0.20	1.000	0.99999
3123	2	1.31	41	1,552	1,024	0.040	37.85	1.52	1.000	0.99996
3181	1	1.85	1	111	706	0.001	111.00	0.16	1.000	0.99999
3221	6	5.02	183	9,529	1,224	0.150	52.07	7.79	1.017	0.99982
3232	1	1.00	1	60	419	0.002	60.00	0.14	1.000	0.99999
3304	5	4.82	1,156	70,347	974	1.187	60.85	72.22	1.128	0.99833
3311	3	1.85	45	1,980	500	0.090	44.00	3.96	1.000	0.99991
3315	1	1.35	1	81	1,562	0.001	81.00	0.05	1.000	0.99999
3422	2	4.70	22	4,322	963	0.023	196.45	4.49	1.000	0.99990
3423	1	0.53	3	96	379	0.008	32.00	0.25	1.000	0.99999
3471	2	3.20	165	18,611	162	1.019	112.79	114.88	1.006	0.99734
3472	8	8.90	230	8,462	1,545	0.149	36.79	5.48	1.041	0.99987

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	3	2.62	48	2,686	1,006	0.048	55.96	2.67	1.000	0.99994
3552	5	5.09	48	3,654	570	0.084	76.13	6.41	1.021	0.99985
3553	2	1.18	11	386	1,020	0.011	35.09	0.38	1.000	0.99999
3591	5	5.06	48	3,006	1,119	0.043	62.63	2.69	1.000	0.99994
3593	2	7.68	47	10,011	929	0.051	213.00	10.78	1.000	0.99975
3594	1	1.50	144	12,960	622	0.232	90.00	20.84	1.000	0.99952
3621	9	18.61	75	10,639	1,550	0.048	141.85	6.86	1.000	0.99984
3661	5	12.63	145	14,820	1,101	0.132	102.21	13.46	1.007	0.99969
3662	2	3.06	7	884	1,130	0.006	126.29	0.78	1.000	0.99998
3663	7	8.69	73	3,228	776	0.094	44.22	4.16	1.090	0.99990
3675	1	0.98	23	1,357	315	0.073	59.00	4.31	1.000	0.99990
3691	1	0.65	13	507	1,138	0.011	39.00	0.45	1.000	0.99999
3692	1	1.15	7	483	402	0.017	69.00	1.20	1.000	0.99997
3693	2	2.50	21	1,632	183	0.115	77.71	8.92	1.000	0.99979
3701	2	2.05	22	1,703	473	0.047	77.41	3.60	1.048	0.99992
3702	2	3.72	14	1,123	594	0.024	80.21	1.89	1.077	0.99996
3751	5	3.48	96	4,137	855	0.112	43.09	4.84	1.091	0.99989
3871	11	18.30	95	6,316	1,362	0.070	66.48	4.64	1.033	0.99989
3872	4	12.51	5	810	1,146	0.004	162.00	0.71	1.000	0.99998
3873	1	0.72	43	1,849	787	0.055	43.00	2.35	1.000	0.99995
3878	3	2.25	56	1,971	772	0.073	35.20	2.55	1.018	0.99994
3891	1	1.47	13	1,144	418	0.031	88.00	2.74	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3892	2	8.72	2	523	462	0.004	261.50	1.13	1.000	0.99997
3893	12	14.30	152	10,770	1,080	0.141	70.86	9.97	1.078	0.99977
3894	2	3.02	128	7,510	112	1.143	58.67	67.05	1.208	0.99845
3901	3	10.43	953	240,876	861	1.107	252.76	279.76	1.120	0.99352
3913	3	2.82	239	7,839	945	0.253	32.80	8.30	1.026	0.99981
3914	4	3.60	108	5,516	645	0.167	51.07	8.55	1.174	0.99980
3951	2	2.96	62	4,978	1,072	0.058	80.29	4.64	1.016	0.99989
3952	2	3.43	5	518	374	0.013	103.60	1.39	1.000	0.99997
3971	3	5.08	31	3,057	649	0.048	98.61	4.71	1.000	0.99989
3981	3	4.75	49	2,979	1,371	0.036	60.80	2.17	1.021	0.99995
3982	10	9.45	171	6,537	1,745	0.098	38.23	3.75	1.012	0.99991
3991	9	9.97	415	58,200	711	0.584	140.24	81.86	1.010	0.99811
402	1	3.20	1	192	107	0.009	192.00	1.79	1.000	0.99996
4031	9	8.73	217	16,912	693	0.313	77.94	24.40	1.064	0.99944
406	1	2.17	1	130	70	0.014	130.00	1.86	1.000	0.99996
4091	3	2.42	44	1,342	1,134	0.039	30.50	1.18	1.048	0.99997
4092	1	0.68	1	41	417	0.002	41.00	0.10	1.000	0.99999
4101	1	1.38	43	3,569	578	0.074	83.00	6.17	1.000	0.99986
4102	5	4.51	28	1,617	894	0.031	57.75	1.81	1.037	0.99996
4131	2	3.00	2	180	858	0.002	90.00	0.21	1.000	0.99999
4133	2	2.76	29	2,407	473	0.061	83.00	5.09	1.000	0.99988
4134	1	0.87	10	520	828	0.012	52.00	0.63	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	2	4.00	21	2,541	583	0.036	121.00	4.36	1.000	0.99990
4151	9	15.77	564	46,427	1,225	0.460	82.32	37.90	1.142	0.99912
4153	2	4.14	35	3,350	1,280	0.027	95.71	2.62	1.000	0.99994
4155	3	6.54	21	1,832	2,037	0.010	87.24	0.90	1.050	0.99998
4171	3	2.46	55	2,514	834	0.066	45.71	3.01	1.078	0.99993
4172	8	8.01	193	11,406	1,657	0.116	59.10	6.88	1.032	0.99984
4181	1	0.58	40	1,400	475	0.084	35.00	2.95	1.000	0.99993
4182	3	3.18	50	4,217	997	0.050	84.34	4.23	1.000	0.99990
4211	2	3.29	47	4,043	660	0.071	86.02	6.13	1.000	0.99986
4212	4	11.07	121	14,553	798	0.152	120.27	18.24	1.025	0.99958
4221	1	0.97	9	522	477	0.019	58.00	1.09	1.000	0.99997
4223	2	0.75	56	1,179	1,697	0.033	21.05	0.69	1.018	0.99998
4224	2	7.71	38	4,792	750	0.051	126.11	6.39	1.027	0.99985
4302	6	13.82	413	54,110	1,023	0.404	131.02	52.89	1.017	0.99878
4303	2	1.07	26	832	807	0.032	32.00	1.03	1.000	0.99998
4311	1	0.53	18	576	988	0.018	32.00	0.58	1.000	0.99999
4312	1	0.48	12	348	976	0.012	29.00	0.36	1.000	0.99999
4313	3	2.72	35	1,731	544	0.064	49.46	3.18	1.029	0.99993
4324	3	2.07	40	2,640	1,132	0.035	66.00	2.33	1.053	0.99995
4334	1	0.63	1	38	299	0.003	38.00	0.13	1.000	0.99999
4341	11	14.35	139	6,266	1,716	0.081	45.08	3.65	1.045	0.99992
4342	5	7.25	88	6,376	1,696	0.052	72.45	3.76	1.048	0.99991

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4343	1	2.08	1	125	1,012	0.001	125.00	0.12	1.000	0.99999
4361	6	6.75	1,745	144,159	1,632	1.069	82.61	88.33	1.121	0.99796
4362	6	8.66	934	87,206	810	1.153	93.37	107.66	1.181	0.99751
4363	11	23.15	1,722	144,878	1,563	1.102	84.13	92.69	1.101	0.99785
4371	4	4.32	34	2,480	1,516	0.022	72.94	1.64	1.030	0.99996
4372	4	3.76	68	4,092	420	0.162	60.18	9.74	1.133	0.99977
4373	3	4.84	33	3,230	746	0.044	97.88	4.33	1.000	0.99990
4385	4	5.14	4	308	1,104	0.004	77.00	0.28	1.000	0.99999
4431	9	15.00	63	6,007	1,338	0.047	95.35	4.49	1.086	0.99990
4432	2	4.63	19	2,842	440	0.043	149.58	6.46	1.000	0.99985
4601	5	9.80	59	5,286	405	0.146	89.59	13.05	1.035	0.99970
4602	6	8.01	95	4,190	932	0.102	44.11	4.50	1.033	0.99990
5601	2	4.34	6	1,128	1,139	0.005	188.00	0.99	1.000	0.99998
5602	2	2.15	36	2,322	560	0.064	64.50	4.15	1.000	0.99990
5603	2	2.83	81	8,623	1,241	0.065	106.46	6.95	1.013	0.99984
6141	6	9.94	1,133	165,058	614	1.845	145.68	268.82	1.485	0.99378
6142	1	0.93	38	2,128	297	0.128	56.00	7.16	1.000	0.99983
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	477	700.19	18,548	1,730,137	157,732	0.118	93.28	10.97	1.082	0.99975



**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
7/1/2012 to 7/31/2012  
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	1	102	1,413	0.001	102.00	0.07	1.000	0.99999
1051	1	0.88	5	265	1,062	0.005	53.00	0.25	1.000	0.99999
1082	7	9.33	78	5,494	1,287	0.061	70.44	4.27	1.026	0.99990
1091	1	0.78	1	47	1,633	0.001	47.00	0.03	1.000	0.99999
1092	1	1.05	56	3,528	1,172	0.048	63.00	3.01	1.000	0.99993
1093	2	6.22	261	69,340	226	1.155	265.67	306.81	1.165	0.99313
1094	7	6.68	52	2,481	1,095	0.047	47.71	2.27	1.000	0.99995
1101	7	11.78	397	40,394	965	0.411	101.75	41.86	1.013	0.99906
1102	2	1.14	59	2,006	624	0.095	34.00	3.21	1.000	0.99993
1141	1	1.05	1	63	899	0.001	63.00	0.07	1.000	0.99999
1211	3	4.09	129	9,543	1,463	0.088	73.98	6.52	1.016	0.99985
1212	1	2.35	1	141	320	0.003	141.00	0.44	1.000	0.99999
1213	4	4.32	4	259	541	0.007	64.75	0.48	1.000	0.99999
1230	4	2.63	46	2,038	1,101	0.042	44.30	1.85	1.000	0.99996
1232	2	7.37	13	1,300	1,174	0.011	100.00	1.11	1.000	0.99998
1233	1	1.80	24	2,592	638	0.038	108.00	4.06	1.000	0.99991
1241	2	3.12	23	2,153	832	0.028	93.61	2.59	1.000	0.99994

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	2	2.92	12	1,085	1,182	0.010	90.42	0.92	1.000	0.99998
1262	2	4.37	12	1,342	2,123	0.006	111.83	0.63	1.091	0.99999
1263	1	0.68	25	1,025	992	0.025	41.00	1.03	1.000	0.99998
1265	4	7.82	84	15,045	1,262	0.067	179.11	11.92	1.024	0.99973
1271	7	5.87	7	352	922	0.008	50.29	0.38	1.000	0.99999
1273	7	7.81	105	12,939	864	0.122	123.23	14.98	1.010	0.99966
1282	3	8.92	61	7,427	908	0.067	121.75	8.18	1.000	0.99982
1284	1	0.72	12	516	853	0.014	43.00	0.60	1.000	0.99999
1311	3	3.36	3	201	265	0.011	67.00	0.76	1.000	0.99998
1312	7	8.33	47	3,143	912	0.052	66.87	3.45	1.068	0.99992
1452	3	4.97	453	69,304	449	1.009	152.99	154.35	1.049	0.99654
1455	2	3.85	9	1,295	1,835	0.005	143.89	0.71	1.000	0.99998
1523	1	1.80	7	756	702	0.010	108.00	1.08	1.000	0.99998
1841	8	11.72	108	11,342	602	0.179	105.02	18.84	1.029	0.99958
1842	2	2.15	2	129	273	0.007	64.50	0.47	1.000	0.99999
1843	4	5.46	183	8,841	1,066	0.172	48.31	8.29	1.011	0.99981
2051	2	3.67	5	718	160	0.031	143.60	4.49	1.000	0.99990
2091	2	2.19	185	12,851	865	0.214	69.46	14.86	1.063	0.99967
2092	7	11.31	33	3,371	899	0.037	102.15	3.75	1.065	0.99992
2171	1	1.15	22	1,518	550	0.040	69.00	2.76	1.000	0.99994
2172	2	4.53	2	272	217	0.009	136.00	1.25	1.000	0.99997
2211	2	2.40	26	1,344	721	0.036	51.69	1.86	1.040	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2212	5	6.48	99	12,192	1,255	0.079	123.15	9.71	1.031	0.99978
2621	4	4.28	1,125	72,096	1,126	0.999	64.09	64.03	1.010	0.99857
2921	6	31.54	294	55,916	402	0.731	190.19	139.09	2.430	0.99688
2951	10	29.97	2,841	468,258	1,360	2.089	164.82	344.31	2.151	0.99229
2952	1	5.17	127	39,370	151	0.841	310.00	260.73	1.000	0.99416
2961	5	8.81	136	19,506	649	0.210	143.43	30.06	1.766	0.99933
3082	1	2.05	23	2,829	321	0.072	123.00	8.81	1.000	0.99980
3121	4	4.00	27	1,459	1,072	0.025	54.04	1.36	1.038	0.99997
3122	2	2.33	19	1,470	838	0.023	77.37	1.75	1.000	0.99996
3123	1	1.02	25	1,525	1,024	0.024	61.00	1.49	1.000	0.99997
3181	2	3.23	2	194	706	0.003	97.00	0.27	1.000	0.99999
3221	3	4.31	8	964	1,224	0.007	120.50	0.79	1.143	0.99998
3222	6	114.70	19	9,794	759	0.025	515.47	12.90	1.000	0.99971
3231	6	5.42	20	1,417	407	0.049	70.85	3.48	1.176	0.99992
3232	1	0.83	15	750	419	0.036	50.00	1.79	1.000	0.99996
3304	4	3.94	124	9,590	974	0.127	77.34	9.85	1.192	0.99978
3311	4	7.68	448	73,545	500	0.896	164.16	147.09	1.179	0.99670
3312	5	16.55	35	5,796	1,167	0.030	165.60	4.97	1.000	0.99989
3313	1	1.38	16	1,328	928	0.017	83.00	1.43	1.000	0.99997
3315	3	7.46	3	448	1,562	0.002	149.33	0.29	1.000	0.99999
3422	2	5.45	2	327	963	0.002	163.50	0.34	1.000	0.99999
3423	3	29.57	42	18,610	379	0.111	443.10	49.10	1.000	0.99890

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3472	8	6.50	14	713	1,545	0.009	50.93	0.46	1.000	0.99999
3551	1	1.38	43	3,569	1,006	0.043	83.00	3.55	1.000	0.99992
3553	3	4.41	56	5,624	1,020	0.055	100.43	5.51	1.000	0.99988
3591	7	5.14	66	3,702	1,119	0.059	56.09	3.31	1.031	0.99993
3592	2	1.61	20	1,267	1,680	0.012	63.35	0.75	1.000	0.99998
3593	8	10.14	469	32,910	929	0.505	70.17	35.43	1.022	0.99921
3594	2	1.37	196	7,676	622	0.315	39.16	12.34	1.000	0.99972
3621	6	7.61	44	1,788	1,550	0.028	40.64	1.15	1.048	0.99997
3661	5	8.38	78	5,910	1,101	0.071	75.77	5.37	1.026	0.99988
3662	3	6.27	60	10,006	1,130	0.053	166.77	8.85	1.017	0.99980
3663	4	4.67	60	3,304	776	0.077	55.07	4.26	1.053	0.99990
3671	2	0.98	1,409	42,269	1,397	1.009	30.00	30.26	1.001	0.99932
3675	5	2.09	71	1,242	315	0.225	17.49	3.94	1.000	0.99991
3691	4	3.23	64	3,188	1,138	0.056	49.81	2.80	1.000	0.99994
3702	2	2.75	31	1,731	594	0.052	55.84	2.91	1.033	0.99993
3751	5	3.88	87	4,465	855	0.102	51.32	5.22	1.381	0.99988
3871	3	8.31	187	11,025	1,362	0.137	58.96	8.09	1.005	0.99982
3872	4	5.80	113	8,022	1,146	0.099	70.99	7.00	1.000	0.99984
3878	5	6.97	119	10,137	772	0.154	85.18	13.13	1.053	0.99971
3891	1	1.67	34	3,400	418	0.081	100.00	8.13	1.000	0.99982
3893	13	13.18	151	16,434	1,080	0.140	108.83	15.22	1.041	0.99966
3901	1	1.18	38	2,698	861	0.044	71.00	3.13	1.000	0.99993

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3903	1	1.72	104	10,712	286	0.364	103.00	37.45	1.000	0.99916
3913	3	2.45	83	4,398	945	0.088	52.99	4.65	1.012	0.99990
3914	1	2.28	36	4,932	645	0.056	137.00	7.65	1.000	0.99983
3951	5	10.18	86	14,594	1,072	0.080	169.70	13.61	1.089	0.99970
3971	3	5.34	20	2,479	649	0.031	123.95	3.82	1.053	0.99991
3981	8	8.07	98	5,552	1,371	0.071	56.65	4.05	1.054	0.99991
3982	3	2.19	156	9,433	1,745	0.089	60.47	5.41	1.026	0.99988
3991	1	3.72	12	2,676	711	0.017	223.00	3.76	1.000	0.99992
3992	1	2.25	22	2,970	162	0.136	135.00	18.33	1.000	0.99959
402	1	1.50	1	90	107	0.009	90.00	0.84	1.000	0.99998
403	1	1.20	11	792	261	0.042	72.00	3.03	1.000	0.99993
4031	10	15.28	193	18,539	693	0.278	96.06	26.75	1.038	0.99940
4091	1	0.73	1	44	1,134	0.001	44.00	0.04	1.000	0.99999
4101	2	2.53	68	5,024	578	0.118	73.88	8.69	1.000	0.99981
4102	2	4.48	30	2,514	894	0.034	83.80	2.81	1.000	0.99994
4131	1	0.40	10	240	858	0.012	24.00	0.28	1.000	0.99999
4133	1	1.57	1	94	473	0.002	94.00	0.20	1.000	0.99999
4134	2	3.09	11	1,247	828	0.013	113.36	1.51	1.000	0.99997
4152	2	2.16	74	4,810	781	0.095	65.00	6.16	1.138	0.99986
4153	1	1.25	1	75	1,280	0.001	75.00	0.06	1.000	0.99999
4155	6	9.82	52	4,191	2,037	0.026	80.60	2.06	1.083	0.99995
4171	4	4.74	83	3,970	834	0.100	47.83	4.76	1.051	0.99989

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	14	26.26	1,995	168,775	1,657	1.204	84.60	101.86	1.191	0.99772
4181	2	1.12	41	1,159	475	0.086	28.27	2.44	1.000	0.99995
4182	3	3.29	60	2,282	997	0.060	38.03	2.29	1.000	0.99995
4211	1	0.65	12	468	660	0.018	39.00	0.71	1.000	0.99998
4212	2	4.88	21	4,254	798	0.026	202.57	5.33	1.105	0.99988
4221	3	4.46	94	11,982	477	0.197	127.47	25.12	1.033	0.99944
4223	5	6.31	125	7,352	1,697	0.074	58.82	4.33	1.000	0.99990
4224	1	2.48	56	8,344	750	0.075	149.00	11.13	1.000	0.99975
4302	3	3.53	180	11,097	1,023	0.176	61.65	10.85	1.006	0.99976
4303	5	8.53	90	6,716	807	0.112	74.62	8.32	1.023	0.99981
4311	1	0.70	10	420	988	0.010	42.00	0.43	1.000	0.99999
4312	2	1.62	38	1,458	976	0.039	38.37	1.49	1.000	0.99997
4313	2	2.41	5	313	544	0.009	62.60	0.58	1.000	0.99999
4324	5	10.59	124	18,668	1,132	0.110	150.55	16.49	1.016	0.99963
4331	1	0.60	1	36	682	0.001	36.00	0.05	1.000	0.99999
4341	13	15.02	410	24,321	1,716	0.239	59.32	14.17	1.030	0.99968
4342	2	1.43	1,726	97,878	1,696	1.018	56.71	57.71	1.011	0.99871
4343	3	4.72	105	7,778	1,012	0.104	74.08	7.69	1.129	0.99983
4361	2	2.02	8	469	1,632	0.005	58.63	0.29	1.000	0.99999
4363	2	1.81	135	6,633	1,563	0.086	49.13	4.24	1.000	0.99990
4371	5	6.41	43	2,933	1,516	0.028	68.21	1.93	1.075	0.99996
4372	9	13.22	530	52,755	420	1.262	99.54	125.61	3.136	0.99719

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4373	1	1.02	16	976	746	0.021	61.00	1.31	1.000	0.99997
4381	2	4.97	282	42,578	303	0.931	150.99	140.52	1.004	0.99685
4385	1	2.62	109	17,113	1,104	0.099	157.00	15.50	1.000	0.99965
4431	3	8.29	35	12,274	1,338	0.026	350.69	9.17	1.000	0.99979
4432	3	4.12	22	2,242	440	0.050	101.91	5.10	1.000	0.99989
4511	5	5.78	189	12,390	1,115	0.170	65.56	11.11	1.005	0.99975
4512	1	0.20	1	12	920	0.001	12.00	0.01	1.000	0.99999
4513	1	0.55	1	33	607	0.002	33.00	0.05	1.000	0.99999
453	1	0.77	1	46	129	0.008	46.00	0.36	1.000	0.99999
4601	3	5.50	30	2,706	405	0.074	90.20	6.68	1.034	0.99985
4602	2	2.90	46	4,198	932	0.049	91.26	4.50	1.000	0.99990
5601	2	9.58	108	14,238	1,139	0.095	131.83	12.50	1.009	0.99972
5602	2	2.38	114	6,863	560	0.204	60.20	12.26	1.009	0.99973
5603	4	3.73	296	15,352	1,241	0.239	51.86	12.37	1.021	0.99972
5641	1	1.70	1	102	238	0.004	102.00	0.43	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	471	839.10	19,627	1,941,616	157,732	0.124	98.93	12.31	1.166	0.99972

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

8/1/2012 to 8/31/2012

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	0.62	68	2,516	1,413	0.048	37.00	1.78	1.000	0.99996
1052	2	13.40	550	221,100	288	1.910	402.00	767.71	2.000	0.98223
1082	5	8.18	53	3,724	1,287	0.041	70.26	2.89	1.000	0.99993
1091	4	7.16	38	1,687	1,633	0.023	44.39	1.03	1.056	0.99998
1092	3	1.98	86	3,574	1,172	0.073	41.56	3.05	1.000	0.99993
1094	7	8.94	108	8,938	1,095	0.099	82.76	8.16	1.459	0.99981
1101	1	1.03	97	6,014	965	0.101	62.00	6.23	1.000	0.99986
1102	3	2.87	84	4,894	624	0.135	58.26	7.84	1.000	0.99982
1142	1	0.43	1	26	213	0.005	26.00	0.12	1.000	0.99999
1211	6	11.34	1,659	192,479	1,463	1.134	116.02	131.56	1.135	0.99695
1212	1	1.40	1	84	320	0.003	84.00	0.26	1.000	0.99999
1213	2	2.07	2	124	541	0.004	62.00	0.23	1.000	0.99999
1241	3	7.13	133	12,945	832	0.160	97.33	15.56	1.099	0.99964
1242	1	0.73	48	2,112	669	0.072	44.00	3.16	1.000	0.99993
1243	4	6.13	84	6,090	1,182	0.071	72.50	5.15	1.024	0.99988
1261	1	0.37	1	22	385	0.003	22.00	0.06	1.000	0.99999
1262	2	20.23	2	1,214	2,123	0.001	607.00	0.57	1.000	0.99999



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	7.74	1,070	56,551	992	1.079	52.85	57.01	1.105	0.99868
1265	2	1.34	66	3,648	1,262	0.052	55.27	2.89	1.000	0.99993
1271	5	3.06	5	184	922	0.005	36.80	0.20	1.000	0.99999
1273	6	28.54	79	13,262	864	0.091	167.87	15.35	1.026	0.99964
1281	1	1.32	1	79	107	0.009	79.00	0.74	1.000	0.99998
1282	4	5.62	283	26,740	908	0.312	94.49	29.45	1.029	0.99932
1284	1	0.62	22	814	853	0.026	37.00	0.95	1.000	0.99998
1285	2	1.65	1,094	44,871	1,077	1.016	41.02	41.66	1.001	0.99904
1286	1	0.52	46	1,426	44	1.045	31.00	32.41	1.000	0.99925
1311	1	1.58	1	95	265	0.004	95.00	0.36	1.000	0.99999
1451	1	0.93	1	56	612	0.002	56.00	0.09	1.000	0.99999
1452	4	4.88	4	293	449	0.009	73.25	0.65	1.333	0.99998
1453	2	2.17	11	1,084	1,790	0.006	98.55	0.61	1.000	0.99999
1455	7	5.67	207	8,490	1,835	0.113	41.01	4.63	1.000	0.99989
1521	2	6.67	54	4,498	352	0.153	83.30	12.78	1.000	0.99970
1523	1	1.45	1	87	702	0.001	87.00	0.12	1.000	0.99999
1841	2	2.30	9	670	602	0.015	74.44	1.11	1.000	0.99997
1842	1	0.63	213	8,094	273	0.780	38.00	29.65	1.000	0.99931
1843	1	5.63	19	6,422	1,066	0.018	338.00	6.02	1.000	0.99986
2091	1	1.45	1	87	865	0.001	87.00	0.10	1.000	0.99999
2092	2	3.37	10	858	899	0.011	85.80	0.95	1.000	0.99998
2172	1	1.28	23	1,771	217	0.106	77.00	8.16	1.000	0.99981

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2211	6	5.73	784	60,170	721	1.087	76.75	83.45	1.077	0.99807
2212	3	3.96	1,269	90,237	1,255	1.011	71.11	71.90	1.039	0.99834
2511	1	3.07	594	109,296	607	0.979	184.00	180.06	1.000	0.99583
2621	15	84.56	593	201,773	1,126	0.527	340.26	179.19	1.015	0.99585
2921	1	2.13	1	128	402	0.002	128.00	0.32	1.000	0.99999
2951	5	14.69	1,328	61,989	1,360	0.976	46.68	45.58	1.005	0.99894
2961	1	6.55	57	22,401	649	0.088	393.00	34.52	1.000	0.99920
3081	2	2.23	29	2,375	563	0.052	81.90	4.22	1.036	0.99990
3121	5	17.00	19	1,562	1,072	0.018	82.21	1.46	1.188	0.99997
3122	1	1.17	69	4,830	838	0.082	70.00	5.76	1.000	0.99987
3221	7	15.51	199	10,051	1,224	0.163	50.51	8.21	1.036	0.99981
3222	4	9.36	17	3,734	759	0.022	219.65	4.92	1.000	0.99989
3304	4	5.46	4	327	974	0.004	81.75	0.34	1.333	0.99999
3311	2	9.48	82	24,254	500	0.164	295.78	48.51	1.000	0.99888
3312	1	0.53	1	32	1,167	0.001	32.00	0.03	1.000	0.99999
3313	1	7.40	1	444	928	0.001	444.00	0.48	1.000	0.99999
3314	3	5.67	22	2,347	222	0.099	106.68	10.57	1.000	0.99976
3315	1	2.40	4	576	1,562	0.003	144.00	0.37	1.000	0.99999
3422	1	1.45	5	435	963	0.005	87.00	0.45	1.000	0.99999
3423	1	1.25	3	225	379	0.008	75.00	0.59	1.000	0.99999
3471	1	0.82	6	294	162	0.037	49.00	1.81	1.000	0.99996
3472	11	11.06	167	10,406	1,545	0.108	62.31	6.74	1.025	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3551	1	1.32	17	1,343	1,006	0.017	79.00	1.33	1.000	0.99997
3552	5	5.55	5	333	570	0.009	66.60	0.58	1.000	0.99999
3553	2	2.02	2	121	1,020	0.002	60.50	0.12	1.000	0.99999
3591	9	3.77	88	3,201	1,119	0.079	36.38	2.86	1.073	0.99993
3592	5	10.19	36	1,266	1,680	0.021	35.17	0.75	1.000	0.99998
3594	3	5.81	27	3,053	622	0.043	113.07	4.91	1.038	0.99989
3621	5	11.30	291	52,839	1,550	0.188	181.58	34.09	1.062	0.99921
3661	3	14.12	54	19,359	1,101	0.049	358.50	17.58	1.038	0.99959
3662	2	3.46	205	17,501	1,130	0.181	85.37	15.49	1.000	0.99964
3663	2	1.49	39	1,170	776	0.050	30.00	1.51	1.000	0.99997
3671	3	2.07	100	4,404	1,397	0.072	44.04	3.15	1.163	0.99993
3675	1	0.30	1	18	315	0.003	18.00	0.06	1.000	0.99999
3691	3	5.78	31	3,767	1,138	0.027	121.52	3.31	1.192	0.99992
3692	6	9.54	75	4,781	402	0.187	63.75	11.89	2.679	0.99972
3701	2	7.92	23	6,712	473	0.049	291.83	14.19	1.000	0.99967
3702	10	14.14	132	9,188	594	0.222	69.61	15.47	1.048	0.99964
3751	5	17.37	34	7,211	855	0.040	212.09	8.43	1.360	0.99980
3871	3	4.90	38	1,134	1,362	0.028	29.84	0.83	1.000	0.99998
3872	2	0.78	41	931	1,146	0.036	22.71	0.81	1.000	0.99998
3878	2	1.55	25	1,289	772	0.032	51.56	1.67	1.000	0.99996
3891	4	4.86	47	4,698	418	0.112	99.96	11.24	1.044	0.99974
3893	12	12.24	23	1,546	1,080	0.021	67.22	1.43	1.150	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3894	1	1.77	6	636	112	0.054	106.00	5.68	1.000	0.99987
3901	3	3.35	3	201	861	0.003	67.00	0.23	1.000	0.99999
3902	2	2.55	21	1,458	97	0.216	69.43	15.03	1.000	0.99965
3903	1	1.88	1	113	286	0.003	113.00	0.40	1.000	0.99999
3912	3	8.68	10	1,184	538	0.019	118.40	2.20	1.111	0.99995
3913	4	9.31	307	34,396	945	0.325	112.04	36.40	1.023	0.99916
3914	5	6.18	64	3,281	645	0.099	51.27	5.09	1.306	0.99988
3951	9	15.27	189	13,344	1,072	0.176	70.60	12.45	1.016	0.99971
3952	3	10.30	17	5,084	374	0.045	299.06	13.59	1.000	0.99969
3971	2	19.66	663	699,789	649	1.022	1055.49	1078.26	1.012	0.97504
3981	9	26.30	108	22,962	1,371	0.079	212.61	16.75	1.080	0.99961
3982	1	0.98	96	5,664	1,745	0.055	59.00	3.25	1.000	0.99992
3991	14	12.64	50	2,691	711	0.070	53.82	3.78	1.000	0.99991
403	1	0.53	1	32	261	0.004	32.00	0.12	1.000	0.99999
4031	8	24.55	747	512,725	693	1.078	686.38	739.86	1.078	0.98287
4102	4	14.84	12	1,958	894	0.013	163.17	2.19	1.000	0.99995
4131	2	7.90	3	676	858	0.003	225.33	0.79	1.000	0.99998
4134	1	3.58	42	9,030	828	0.051	215.00	10.91	1.000	0.99975
4142	4	9.82	606	75,445	583	1.039	124.50	129.41	1.050	0.99700
4152	4	8.20	104	9,726	781	0.133	93.52	12.45	1.625	0.99971
4153	2	3.71	15	1,302	1,280	0.012	86.80	1.02	1.000	0.99998
4172	12	17.82	232	22,872	1,657	0.140	98.59	13.80	1.478	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4173	3	14.42	93	31,615	612	0.152	339.95	51.66	2.163	0.99880
4181	1	0.33	6	120	475	0.013	20.00	0.25	1.000	0.99999
4182	3	3.29	3	198	997	0.003	66.00	0.20	1.000	0.99999
4211	1	12.15	12	8,748	660	0.018	729.00	13.25	1.000	0.99969
4212	4	5.10	87	7,294	798	0.109	83.84	9.14	1.673	0.99979
4221	1	0.52	1	31	477	0.002	31.00	0.06	1.000	0.99999
4223	2	3.68	72	7,180	1,697	0.042	99.72	4.23	1.000	0.99990
4224	2	3.18	29	2,108	750	0.039	72.69	2.81	1.036	0.99993
4302	1	1.97	1	118	1,023	0.001	118.00	0.12	1.000	0.99999
4303	2	5.50	22	3,630	807	0.027	165.00	4.50	1.000	0.99990
4311	2	1.44	2	86	988	0.002	43.00	0.09	2.000	0.99999
4312	1	0.75	21	945	976	0.022	45.00	0.97	1.000	0.99998
4313	12	5.25	66	1,766	544	0.121	26.76	3.25	1.375	0.99992
4324	4	4.68	138	9,426	1,132	0.122	68.30	8.33	2.000	0.99981
4331	1	1.82	12	1,308	682	0.018	109.00	1.92	1.000	0.99996
4332	1	2.93	1	176	300	0.003	176.00	0.59	1.000	0.99999
4333	1	1.15	1	69	547	0.002	69.00	0.13	1.000	0.99999
4341	4	16.61	22	1,681	1,716	0.013	76.41	0.98	1.158	0.99998
4342	2	4.02	2	241	1,696	0.001	120.50	0.14	1.000	0.99999
4343	11	33.53	136	29,661	1,012	0.134	218.10	29.31	1.063	0.99932
4361	4	6.85	70	5,255	1,632	0.043	75.07	3.22	1.029	0.99993
4362	2	1.86	24	1,344	810	0.030	56.00	1.66	1.000	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4363	2	1.18	36	1,278	1,563	0.023	35.50	0.82	1.000	0.99998
4371	8	11.81	177	15,712	1,516	0.117	88.77	10.36	2.360	0.99976
4372	4	9.31	69	10,040	420	0.164	145.51	23.90	1.816	0.99945
4373	2	6.44	49	15,943	746	0.066	325.37	21.37	1.021	0.99951
4385	1	1.13	1	68	1,104	0.001	68.00	0.06	1.000	0.99999
4386	1	2.25	218	29,430	1,646	0.132	135.00	17.88	1.000	0.99959
4431	8	18.37	31	3,789	1,338	0.023	122.23	2.83	1.069	0.99993
4432	2	5.67	434	76,804	440	0.986	176.97	174.55	1.002	0.99596
4601	4	4.81	34	1,438	405	0.084	42.29	3.55	1.030	0.99992
4602	3	2.19	155	6,964	932	0.166	44.93	7.47	1.000	0.99983
5601	1	0.35	14	294	1,139	0.012	21.00	0.26	1.000	0.99999
5602	3	2.53	37	2,175	560	0.066	58.78	3.88	1.000	0.99991
5603	1	0.42	17	425	1,241	0.014	25.00	0.34	1.000	0.99999
6141	3	7.55	231	65,725	614	0.376	284.52	107.04	1.000	0.99752
6142	2	8.04	91	26,203	297	0.306	287.95	88.23	1.011	0.99796
6144	1	1.42	1	85	313	0.003	85.00	0.27	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	472	958.71	18,536	3,195,316	157,732	0.118	172.38	20.26	1.082	0.99953

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
9/1/2012 to 9/30/2012  
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	1.30	2	78	1,413	0.001	39.00	0.06	1.000	0.99999
1051	1	0.58	23	805	1,062	0.022	35.00	0.76	1.000	0.99998
1052	3	2.93	11	1,040	288	0.038	94.55	3.61	1.000	0.99991
1082	4	7.37	130	13,199	1,287	0.101	101.53	10.26	1.016	0.99975
1091	13	31.95	1,638	195,626	1,633	1.003	119.43	119.80	1.039	0.99713
1092	6	11.30	116	12,337	1,172	0.099	106.35	10.53	1.036	0.99975
1093	4	9.06	54	8,644	226	0.239	160.07	38.25	1.059	0.99908
1094	3	9.36	29	4,718	1,095	0.026	162.69	4.31	1.036	0.99990
1101	4	3.05	57	2,621	965	0.059	45.98	2.72	1.036	0.99993
1102	1	1.68	25	2,525	624	0.040	101.00	4.05	1.000	0.99990
1141	1	1.20	28	2,016	899	0.031	72.00	2.24	1.000	0.99995
1142	1	1.17	4	280	213	0.019	70.00	1.31	1.000	0.99997
1211	6	4.59	11	325	1,463	0.008	29.55	0.22	1.000	0.99999
1212	3	4.39	3	263	320	0.009	87.67	0.82	1.000	0.99998
1213	5	14.91	18	2,655	541	0.033	147.50	4.91	1.200	0.99988
1230	4	10.21	1,096	55,242	1,101	0.995	50.40	50.17	1.030	0.99880
1232	5	20.87	139	31,440	1,174	0.118	226.19	26.78	1.030	0.99936

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1233	1	3.95	99	23,463	638	0.155	237.00	36.78	1.000	0.99912
1241	1	6.17	22	8,140	832	0.026	370.00	9.78	1.000	0.99977
1242	2	2.55	22	2,053	669	0.033	93.32	3.07	1.048	0.99993
1243	3	10.48	49	9,485	1,182	0.041	193.57	8.02	1.114	0.99981
1262	4	6.02	11	1,306	2,123	0.005	118.73	0.62	1.000	0.99999
1265	1	8.80	1	528	1,262	0.001	528.00	0.42	1.000	0.99999
1271	6	11.22	215	28,470	922	0.233	132.42	30.88	1.024	0.99926
1273	7	24.66	218	86,917	864	0.252	398.70	100.60	1.009	0.99759
1282	5	9.23	2,015	227,117	908	2.219	112.71	250.13	2.181	0.99401
1284	1	1.42	26	2,210	853	0.030	85.00	2.59	1.000	0.99994
1285	2	1.65	180	10,601	1,077	0.167	58.89	9.84	1.006	0.99976
1286	1	3.42	7	1,435	44	0.159	205.00	32.61	1.000	0.99922
1311	3	6.50	261	16,644	265	0.985	63.77	62.81	1.008	0.99850
1312	7	12.00	963	66,261	912	1.056	68.81	72.65	1.055	0.99826
1452	2	1.61	15	1,254	449	0.033	83.60	2.79	1.071	0.99993
1453	1	6.53	68	26,656	1,790	0.038	392.00	14.89	1.000	0.99964
1454	3	13.30	3	798	905	0.003	266.00	0.88	1.000	0.99998
1455	1	1.18	1	71	1,835	0.001	71.00	0.04	1.000	0.99999
1521	3	4.04	69	4,731	352	0.196	68.57	13.44	1.000	0.99968
1841	1	6.90	1	414	602	0.002	414.00	0.69	1.000	0.99998
1843	6	8.98	96	7,975	1,066	0.090	83.07	7.48	1.116	0.99982
2091	2	3.37	327	45,769	865	0.378	139.97	52.91	1.048	0.99873



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2171	2	1.90	74	4,458	550	0.135	60.24	8.11	1.000	0.99981
2172	2	3.24	2	194	217	0.009	97.00	0.89	2.000	0.99998
2211	2	1.87	2	112	721	0.003	56.00	0.16	1.000	0.99999
2212	2	2.12	29	1,504	1,255	0.023	51.86	1.20	1.036	0.99997
2511	1	1.35	1	81	607	0.002	81.00	0.13	1.000	0.99999
2621	2	1.70	23	1,781	1,126	0.020	77.43	1.58	1.000	0.99996
2921	5	22.71	140	55,723	402	0.348	398.02	138.61	1.157	0.99668
2951	3	6.72	84	11,276	1,360	0.062	134.24	8.29	1.000	0.99980
3082	1	1.05	1	63	321	0.003	63.00	0.20	1.000	0.99999
3121	3	3.20	3	192	1,072	0.003	64.00	0.18	1.000	0.99999
3122	4	7.27	7	937	838	0.008	133.86	1.12	1.000	0.99997
3123	2	2.74	27	1,989	1,024	0.026	73.67	1.94	1.038	0.99995
3221	2	8.14	21	4,422	1,224	0.017	210.57	3.61	1.000	0.99991
3222	4	5.98	15	1,601	759	0.020	106.73	2.11	1.000	0.99995
3231	2	10.60	27	12,886	407	0.066	477.26	31.66	1.038	0.99924
3232	2	3.35	21	2,095	419	0.050	99.76	5.00	1.000	0.99988
3301	1	0.97	8	464	205	0.039	58.00	2.26	1.000	0.99995
3302	1	0.70	62	2,604	833	0.074	42.00	3.13	1.000	0.99993
3304	2	1.79	165	8,799	974	0.169	53.33	9.03	1.000	0.99978
3311	1	10.80	1	648	500	0.002	648.00	1.30	1.000	0.99997
3312	2	3.72	103	7,620	1,167	0.088	73.98	6.53	1.000	0.99984
3315	1	0.97	1,119	64,902	1,562	0.716	58.00	41.55	1.000	0.99901

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3471	2	14.86	127	99,017	162	0.784	779.66	611.22	1.008	0.98536
3472	10	49.70	99	33,323	1,545	0.064	336.60	21.57	1.138	0.99948
3551	1	1.25	28	2,100	1,006	0.028	75.00	2.09	1.000	0.99995
3553	3	4.78	26	1,989	1,020	0.025	76.50	1.95	1.040	0.99995
3591	2	2.53	2	152	1,119	0.002	76.00	0.14	1.000	0.99999
3592	7	9.44	96	6,092	1,680	0.057	63.46	3.63	1.032	0.99991
3593	2	2.88	43	4,232	929	0.046	98.42	4.56	1.024	0.99989
3621	1	1.23	15	1,110	1,550	0.010	74.00	0.72	1.000	0.99998
3662	5	11.77	49	3,060	1,130	0.043	62.45	2.71	1.000	0.99994
3663	5	7.67	5	461	776	0.006	92.20	0.59	1.667	0.99999
3671	1	0.20	1	12	1,397	0.001	12.00	0.01	1.000	0.99999
3672	1	12.52	1	751	131	0.008	751.00	5.73	1.000	0.99986
3675	2	7.29	435	27,195	315	1.381	62.52	86.33	1.024	0.99793
3691	2	3.46	22	1,928	1,138	0.019	87.64	1.69	1.000	0.99996
3693	2	2.57	12	754	183	0.066	62.83	4.12	1.000	0.99990
3694	2	4.87	29	3,073	1,237	0.023	105.97	2.48	1.000	0.99994
3701	3	8.09	34	4,306	473	0.072	126.65	9.10	1.030	0.99978
3702	2	8.95	658	124,347	594	1.108	188.98	209.34	1.036	0.99499
3751	4	10.28	14	1,217	855	0.016	86.93	1.42	1.167	0.99997
3871	1	3.35	36	7,236	1,362	0.026	201.00	5.31	1.000	0.99987
3872	4	6.25	90	4,272	1,146	0.079	47.47	3.73	1.000	0.99991
3873	1	3.22	60	11,580	787	0.076	193.00	14.71	1.000	0.99965

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3878	3	5.07	60	1,843	772	0.078	30.72	2.39	1.034	0.99994
3891	6	9.54	444	38,957	418	1.062	87.74	93.20	1.088	0.99777
3893	11	29.77	15	2,886	1,080	0.014	192.40	2.67	1.667	0.99994
3894	2	5.67	23	2,356	112	0.205	102.43	21.04	1.045	0.99950
3903	1	4.30	246	63,468	286	0.860	258.00	221.92	1.000	0.99469
3913	6	20.07	244	48,103	945	0.258	197.14	50.90	1.047	0.99878
3914	4	4.84	59	7,330	645	0.091	124.24	11.36	1.054	0.99973
3951	3	5.21	11	1,496	1,072	0.010	136.00	1.40	1.100	0.99997
3952	1	1.73	1	104	374	0.003	104.00	0.28	1.000	0.99999
3971	1	5.75	11	3,795	649	0.017	345.00	5.85	1.000	0.99986
3981	8	22.65	1,461	65,485	1,371	1.066	44.82	47.76	1.085	0.99886
3982	6	11.51	88	3,991	1,745	0.050	45.35	2.29	1.011	0.99995
3991	3	2.79	28	1,178	711	0.039	42.07	1.66	1.037	0.99996
4031	3	11.27	3	676	693	0.004	225.33	0.98	1.000	0.99998
407	1	1.38	1	83	100	0.010	83.00	0.83	1.000	0.99998
4092	1	3.05	1	183	417	0.002	183.00	0.44	1.000	0.99999
4101	2	2.18	98	8,974	578	0.170	91.57	15.53	1.000	0.99963
4102	2	2.00	874	89,936	894	0.978	102.90	100.60	1.001	0.99759
4131	5	16.68	45	6,933	858	0.052	154.07	8.08	1.071	0.99981
4133	1	1.62	346	33,562	473	0.732	97.00	70.96	1.000	0.99830
4134	4	5.62	558	72,027	828	0.674	129.08	86.99	1.109	0.99792
4142	2	3.13	10	732	583	0.017	73.20	1.26	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4151	4	4.71	4	283	1,225	0.003	70.75	0.23	1.000	0.99999
4153	1	0.88	14	742	1,280	0.011	53.00	0.58	1.000	0.99999
4154	1	1.23	1,110	82,140	1,106	1.004	74.00	74.27	1.000	0.99822
4155	3	2.09	37	1,622	2,037	0.018	43.84	0.80	1.057	0.99998
4171	1	0.88	1	53	834	0.001	53.00	0.06	1.000	0.99999
4172	7	16.21	123	10,320	1,657	0.074	83.90	6.23	1.042	0.99985
4181	2	10.91	20	6,577	475	0.042	328.85	13.85	1.000	0.99967
4182	2	4.38	10	959	997	0.010	95.90	0.96	1.111	0.99998
4211	2	2.80	2	168	660	0.003	84.00	0.25	1.000	0.99999
4212	4	5.93	799	103,845	798	1.001	129.97	130.13	1.017	0.99688
4221	3	4.53	109	10,748	477	0.229	98.61	22.53	1.038	0.99946
4224	2	5.62	73	21,850	750	0.097	299.32	29.13	1.014	0.99930
4302	1	3.80	1	228	1,023	0.001	228.00	0.22	1.000	0.99999
4311	5	34.52	56	11,600	988	0.057	207.14	11.74	1.120	0.99972
4312	8	58.53	1,418	67,534	976	1.453	47.63	69.19	1.018	0.99834
4313	3	9.39	102	36,028	544	0.188	353.22	66.23	1.041	0.99841
4324	1	1.23	1	74	1,132	0.001	74.00	0.07	1.000	0.99999
4331	3	6.23	3	374	682	0.004	124.67	0.55	1.000	0.99999
4333	1	2.07	1	124	547	0.002	124.00	0.23	1.000	0.99999
434	1	1.52	29	2,639	30	0.967	91.00	87.97	1.000	0.99789
4342	3	3.22	72	3,130	1,696	0.042	43.47	1.85	1.014	0.99996
4343	2	3.13	2	188	1,012	0.002	94.00	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	CAIDI	SAIDI	CAIFI	ASAI
4361	1	2.13	1	128	1,632	0.001	128.00	0.08	1.000	0.99999
4363	2	2.25	103	9,023	1,563	0.066	87.60	5.77	1.010	0.99986
4371	3	4.63	14	1,455	1,516	0.009	103.93	0.96	1.000	0.99998
4373	5	10.71	15	1,743	746	0.020	116.20	2.34	1.071	0.99994
4383	1	4.18	1	251	140	0.007	251.00	1.79	1.000	0.99996
4385	2	2.40	935	19,737	1,104	0.847	21.11	17.88	1.001	0.99957
4386	1	1.73	1,214	126,256	1,646	0.738	104.00	76.70	1.000	0.99816
4431	2	4.45	2	267	1,338	0.001	133.50	0.20	1.000	0.99999
4432	1	3.42	1	205	440	0.002	205.00	0.47	1.000	0.99999
4511	2	4.50	2	270	1,115	0.002	135.00	0.24	1.000	0.99999
453	1	1.98	124	14,756	129	0.961	119.00	114.39	1.000	0.99726
4602	2	2.61	2	157	932	0.002	78.50	0.17	1.000	0.99999
5601	2	3.60	2	216	1,139	0.002	108.00	0.19	1.000	0.99999
5602	11	17.02	850	173,012	560	1.518	203.54	308.95	1.532	0.99260
5603	20	33.92	111	11,348	1,241	0.089	102.23	9.14	1.037	0.99978
5641	2	5.92	2	355	238	0.008	177.50	1.49	1.000	0.99996
6021	2	5.02	34	3,934	667	0.051	115.71	5.90	1.030	0.99986
6142	3	42.34	15	5,324	297	0.051	354.93	17.93	1.154	0.99957
6144	2	8.01	10	833	313	0.032	83.30	2.66	1.000	0.99994
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	440	1,090.41	23,922	2,613,264	157,732	0.152	109.24	16.57	1.089	0.99960

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
10/1/2012 to 10/31/2012  
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	0.60	1	36	1,413	0.001	36.00	0.03	1.000	0.99999
1051	8	9.83	1,431	77,125	1,062	1.347	53.90	72.62	1.364	0.99832
1081	1	0.62	1	37	19	0.053	37.00	1.95	1.000	0.99995
1082	7	10.14	128	12,063	1,287	0.099	94.24	9.37	1.058	0.99978
1091	8	22.13	1,655	126,970	1,633	1.013	76.72	77.75	1.049	0.99820
1092	4	7.22	111	12,649	1,172	0.095	113.95	10.79	1.009	0.99975
1101	1	0.62	44	1,628	965	0.046	37.00	1.69	1.000	0.99996
1141	2	2.58	56	4,340	899	0.062	77.50	4.83	1.167	0.99989
1142	2	2.10	27	1,668	213	0.127	61.78	7.83	1.000	0.99982
1211	2	1.40	24	1,118	1,463	0.016	46.58	0.76	1.043	0.99998
1213	2	2.67	22	1,900	541	0.041	86.36	3.51	1.048	0.99992
1230	1	0.68	29	1,189	1,101	0.026	41.00	1.08	1.000	0.99998
1232	2	1.30	92	2,688	1,173	0.078	29.22	2.29	1.000	0.99995
1241	2	2.47	55	4,335	832	0.066	78.82	5.21	1.000	0.99988
1242	1	1.42	7	595	669	0.010	85.00	0.89	1.000	0.99998
1243	2	1.45	77	3,537	1,182	0.065	45.94	2.99	1.013	0.99993
1262	1	0.37	58	1,276	1,156	0.050	22.00	1.10	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	2.43	103	5,397	992	0.104	52.40	5.44	1.062	0.99987
1265	1	0.15	141	1,269	1,262	0.112	9.00	1.01	1.000	0.99998
1282	4	6.35	133	11,673	908	0.146	87.77	12.86	1.008	0.99970
1284	1	1.33	1	80	853	0.001	80.00	0.09	1.000	0.99999
1311	1	1.05	1	63	265	0.004	63.00	0.24	1.000	0.99999
1453	2	2.36	46	2,210	1,790	0.026	48.04	1.23	1.000	0.99997
1455	2	1.45	1,825	45,789	1,060	1.722	25.09	43.20	1.029	0.99900
1522	1	1.27	1	76	98	0.010	76.00	0.78	1.000	0.99998
1523	2	3.33	4	366	702	0.006	91.50	0.52	1.000	0.99999
2051	1	1.63	1	98	160	0.006	98.00	0.61	1.000	0.99999
2091	1	1.03	1	62	865	0.001	62.00	0.07	1.000	0.99999
2092	2	2.25	28	1,175	899	0.031	41.96	1.31	1.000	0.99997
2172	1	1.55	91	8,463	217	0.419	93.00	39.00	1.000	0.99910
2211	6	7.94	52	1,834	719	0.072	35.27	2.55	1.000	0.99994
2212	1	0.92	1	55	1,255	0.001	55.00	0.04	1.000	0.99999
2511	1	3.18	1	191	607	0.002	191.00	0.31	1.000	0.99999
2621	2	2.09	1,115	74,696	1,126	0.990	66.99	66.34	1.001	0.99846
2622	1	1.55	1	93	112	0.009	93.00	0.83	1.000	0.99998
2921	2	2.32	4	201	402	0.010	50.25	0.50	1.333	0.99999
2951	5	5.19	138	4,262	1,360	0.101	30.88	3.13	1.022	0.99993
2961	4	10.41	83	10,116	649	0.128	121.88	15.59	1.025	0.99964
2962	1	0.62	1	37	251	0.004	37.00	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	CAIDI	SAIDI	CAIFI	ASAI
3081	1	1.37	1	82	563	0.002	82.00	0.15	1.000	0.99999
3121	2	2.12	48	3,853	1,072	0.045	80.27	3.59	1.000	0.99992
3122	1	1.75	1	105	838	0.001	105.00	0.13	1.000	0.99999
3181	1	1.45	1	87	706	0.001	87.00	0.12	1.000	0.99999
3222	5	9.27	5	556	759	0.007	111.20	0.73	1.250	0.99998
3231	4	7.12	33	3,465	407	0.081	105.00	8.51	1.031	0.99980
3232	1	1.68	15	1,515	419	0.036	101.00	3.62	1.000	0.99992
3302	2	5.29	78	8,838	833	0.094	113.31	10.61	1.000	0.99975
3305	1	1.35	1	81	18	0.056	81.00	4.50	1.000	0.99990
3313	1	1.55	94	8,742	1,018	0.092	93.00	8.59	1.000	0.99980
3314	1	1.45	15	1,305	222	0.068	87.00	5.88	1.000	0.99986
3315	4	3.93	66	2,768	1,562	0.042	41.94	1.77	1.031	0.99996
3422	1	0.58	1	35	963	0.001	35.00	0.04	1.000	0.99999
3472	6	7.72	123	9,370	1,545	0.080	76.18	6.06	1.034	0.99986
3591	3	2.40	40	1,875	1,119	0.036	46.88	1.68	1.026	0.99996
3592	5	3.78	1,772	107,194	1,680	1.055	60.49	63.81	1.058	0.99852
3594	2	4.82	24	2,291	622	0.039	95.46	3.68	1.043	0.99991
3621	6	6.03	86	3,691	1,550	0.055	42.92	2.38	1.000	0.99994
3661	1	0.98	1	59	1,100	0.001	59.00	0.05	1.000	0.99999
3663	8	5.26	73	7,994	776	0.094	109.51	10.30	1.043	0.99976
3671	10	12.72	47	3,455	1,397	0.034	73.51	2.47	1.270	0.99994
3692	1	4.03	1	242	402	0.002	242.00	0.60	1.000	0.99999



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3694	1	13.87	1,168	971,776	1,237	0.944	832.00	785.59	1.000	0.98182
3701	6	6.76	505	63,279	473	1.068	125.30	133.78	1.010	0.99690
3751	3	5.96	61	12,913	855	0.071	211.69	15.10	1.000	0.99965
3871	1	2.25	43	5,805	1,362	0.032	135.00	4.26	1.000	0.99990
3878	3	3.43	62	3,572	772	0.080	57.61	4.63	1.016	0.99989
3892	2	1.03	461	2,357	462	0.998	5.11	5.10	1.002	0.99988
3893	2	2.25	19	1,274	1,079	0.018	67.05	1.18	1.056	0.99997
3901	2	3.63	20	2,180	861	0.023	109.00	2.53	1.000	0.99994
3902	1	1.52	1	91	95	0.011	91.00	0.96	1.000	0.99998
3903	1	0.67	1	40	286	0.003	40.00	0.14	1.000	0.99999
3914	1	4.15	1	249	645	0.002	249.00	0.39	1.000	0.99999
3951	4	4.45	47	2,890	1,072	0.044	61.49	2.70	1.022	0.99994
3952	2	1.82	26	1,447	374	0.070	55.65	3.87	1.000	0.99991
3971	1	1.33	17	1,360	649	0.026	80.00	2.10	1.000	0.99995
3981	7	10.85	738	90,711	1,420	0.520	122.91	63.88	1.066	0.99852
3982	5	5.62	239	16,179	1,745	0.137	67.69	9.27	1.008	0.99979
3991	2	6.85	27	8,011	711	0.038	296.70	11.27	1.038	0.99974
4031	1	39.63	1	2,378	693	0.001	2378.00	3.43	1.000	0.99992
4091	1	1.17	1	70	1,134	0.001	70.00	0.06	1.000	0.99999
4101	2	1.72	168	8,652	578	0.291	51.50	14.97	1.050	0.99965
4102	2	3.17	92	8,740	894	0.103	95.00	9.78	2.000	0.99977
4131	1	0.60	11	396	527	0.021	36.00	0.75	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4133	2	1.92	347	3,565	473	0.734	10.27	7.54	1.003	0.99983
4136	1	0.12	1	7	667	0.001	7.00	0.01	1.000	0.99999
4142	2	4.98	2	299	583	0.003	149.50	0.51	1.000	0.99999
4151	2	2.25	1,255	32,028	1,225	1.024	25.52	26.15	1.051	0.99939
4152	1	1.23	17	1,258	781	0.022	74.00	1.61	1.000	0.99996
4155	1	2.13	31	3,968	2,037	0.015	128.00	1.95	1.000	0.99995
4171	2	1.22	2	73	834	0.002	36.50	0.09	1.000	0.99999
4172	10	13.82	189	15,868	1,657	0.114	83.96	9.58	1.016	0.99978
4181	1	1.38	19	1,577	475	0.040	83.00	3.32	1.000	0.99992
4212	6	6.57	70	3,667	798	0.088	52.39	4.60	1.591	0.99989
4221	1	20.93	1	1,256	477	0.002	1256.00	2.63	1.000	0.99994
4311	2	1.98	2	119	988	0.002	59.50	0.12	1.000	0.99999
4313	1	2.22	3	399	544	0.006	133.00	0.73	1.000	0.99998
4322	1	0.88	109	5,777	89	1.225	53.00	64.91	1.000	0.99850
4324	1	0.60	1	36	1,132	0.001	36.00	0.03	1.000	0.99999
4331	1	1.33	43	3,440	489	0.088	80.00	7.03	1.000	0.99984
4332	1	8.20	1	492	300	0.003	492.00	1.64	1.000	0.99996
4341	5	8.58	101	6,566	1,716	0.059	65.01	3.83	1.063	0.99991
4342	9	11.77	256	19,663	1,696	0.151	76.81	11.59	1.202	0.99973
4343	2	4.46	82	10,988	1,012	0.081	134.00	10.86	1.108	0.99975
4361	2	3.21	2	193	1,632	0.001	96.50	0.12	1.000	0.99999
4363	2	1.85	21	1,099	1,563	0.013	52.33	0.70	1.050	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4371	2	5.45	47	6,510	1,516	0.031	138.51	4.29	1.093	0.99990
4372	1	2.27	3	408	420	0.007	136.00	0.97	1.000	0.99998
4373	2	3.99	8	1,181	744	0.011	147.63	1.59	1.143	0.99996
4431	10	8.18	1,356	50,515	1,338	1.013	37.25	37.75	1.037	0.99913
4511	2	1.40	35	1,767	1,115	0.031	50.49	1.58	1.029	0.99996
4512	1	2.20	84	11,088	920	0.091	132.00	12.05	1.000	0.99972
4601	1	1.40	1	84	405	0.002	84.00	0.21	1.000	0.99999
4602	7	7.58	132	6,975	932	0.142	52.84	7.48	1.031	0.99983
5603	4	4.52	62	2,359	1,240	0.050	38.05	1.90	1.051	0.99996
5641	1	3.67	20	4,400	278	0.072	220.00	15.83	1.000	0.99963
6021	1	0.42	24	600	667	0.036	25.00	0.90	1.000	0.99998
6142	3	4.07	92	5,317	297	0.310	57.79	17.90	1.022	0.99959
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	302	484.16	18,244	1,996,875	153,992	0.118	109.45	12.97	1.056	0.99970

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

11/1/2012 to 11/30/2012  
 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	1.98	209	24,871	1,062	0.197	119.00	23.42	1.000	0.99946
1082	1	3.23	25	4,850	1,287	0.019	194.00	3.77	1.000	0.99991
1091	3	3.80	3	228	1,633	0.002	76.00	0.14	1.000	0.99999
1092	2	1.12	21	922	1,172	0.018	43.90	0.79	1.050	0.99998
1094	4	3.20	28	1,580	1,095	0.026	56.43	1.44	1.037	0.99997
1101	2	2.46	17	718	965	0.018	42.24	0.74	1.063	0.99998
1102	1	0.55	25	825	624	0.040	33.00	1.32	1.000	0.99997
1141	2	8.57	2	514	899	0.002	257.00	0.57	1.000	0.99999
1211	5	4.41	45	1,933	1,463	0.031	42.96	1.32	1.154	0.99997
1230	2	2.65	154	13,383	1,101	0.140	86.90	12.16	1.000	0.99972
1232	2	15.45	45	3,249	1,172	0.038	72.20	2.77	1.023	0.99994
1241	3	2.85	34	1,694	832	0.041	49.82	2.04	1.097	0.99995
1243	5	8.21	92	6,664	1,182	0.078	72.43	5.64	1.011	0.99987
1263	5	9.06	422	45,548	992	0.425	107.93	45.92	1.192	0.99894
1265	1	0.22	1	13	1,262	0.001	13.00	0.01	1.000	0.99999
1271	2	5.25	13	1,404	922	0.014	108.00	1.52	1.000	0.99996
1273	2	3.27	9	1,225	864	0.010	136.11	1.42	1.125	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1282	4	2.60	177	7,074	908	0.195	39.97	7.79	1.006	0.99982
1285	2	2.05	178	11,739	1,077	0.165	65.95	10.90	1.006	0.99975
1312	1	1.88	1	113	911	0.001	113.00	0.12	1.000	0.99999
1453	3	2.89	47	1,669	1,790	0.026	35.51	0.93	1.022	0.99998
1454	1	1.40	912	76,608	904	1.009	84.00	84.74	1.000	0.99804
1523	2	1.60	2	96	701	0.003	48.00	0.14	1.000	0.99999
1841	1	2.87	1	172	602	0.002	172.00	0.29	1.000	0.99999
1843	2	2.58	39	5,039	1,065	0.037	129.21	4.73	1.026	0.99989
2092	2	1.38	28	837	899	0.031	29.89	0.93	1.000	0.99998
2211	1	0.33	25	500	717	0.035	20.00	0.70	1.000	0.99998
2212	1	1.20	17	1,224	1,255	0.014	72.00	0.98	1.000	0.99998
2621	3	2.47	1,123	39,348	1,126	0.997	35.04	34.94	1.002	0.99919
2951	4	4.56	70	4,840	1,360	0.051	69.14	3.56	1.014	0.99992
2961	1	0.40	21	504	649	0.032	24.00	0.78	1.000	0.99998
3081	1	1.25	1	75	563	0.002	75.00	0.13	1.000	0.99999
3121	3	3.15	67	3,029	1,072	0.063	45.21	2.83	1.015	0.99993
3123	1	0.63	23	874	1,024	0.022	38.00	0.85	1.000	0.99998
3221	4	11.10	40	5,202	1,223	0.033	130.05	4.25	1.000	0.99990
3222	1	0.97	621	36,018	759	0.818	58.00	47.45	1.000	0.99890
3301	1	1.38	1	83	205	0.005	83.00	0.40	1.000	0.99999
3302	2	1.97	34	2,090	833	0.041	61.47	2.51	1.000	0.99994
3311	1	1.42	1	85	526	0.002	85.00	0.16	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3312	1	0.60	4	144	361	0.011	36.00	0.40	1.000	0.99999
3313	3	4.15	63	5,079	1,109	0.057	80.62	4.58	1.000	0.99989
3422	1	1.62	1	97	963	0.001	97.00	0.10	1.000	0.99999
3471	2	1.51	7	296	162	0.043	42.29	1.83	1.000	0.99996
3472	5	4.86	55	2,607	1,545	0.036	47.40	1.69	1.019	0.99996
3551	1	1.18	1	71	1,006	0.001	71.00	0.07	1.000	0.99999
3553	1	1.50	24	2,160	1,019	0.024	90.00	2.12	1.000	0.99995
3592	4	5.24	114	9,389	1,680	0.068	82.36	5.59	1.056	0.99987
3621	3	5.38	17	953	1,550	0.011	56.06	0.61	1.063	0.99999
3661	2	5.16	40	2,666	1,100	0.036	66.65	2.42	1.000	0.99994
3663	6	15.77	168	8,493	776	0.216	50.55	10.94	1.050	0.99975
3671	1	1.28	77	5,929	1,397	0.055	77.00	4.24	1.000	0.99990
3694	3	4.68	167	17,943	1,237	0.135	107.44	14.51	1.031	0.99966
3702	2	1.99	33	2,196	592	0.056	66.55	3.71	1.031	0.99991
3751	2	1.52	82	3,731	855	0.096	45.50	4.36	1.108	0.99990
3871	8	14.01	83	9,665	1,362	0.061	116.45	7.10	1.012	0.99984
3872	1	1.32	71	5,609	1,146	0.062	79.00	4.89	1.000	0.99989
3878	1	1.27	1	76	772	0.001	76.00	0.10	1.000	0.99999
3892	1	1.37	1	82	462	0.002	82.00	0.18	1.000	0.99999
3893	3	3.08	20	1,205	1,078	0.019	60.25	1.12	1.053	0.99997
3901	1	1.18	10	710	861	0.012	71.00	0.82	1.000	0.99998
3903	1	1.08	1	65	286	0.003	65.00	0.23	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3913	1	0.42	1	25	945	0.001	25.00	0.03	1.000	0.99999
3914	1	1.37	1	82	645	0.002	82.00	0.13	1.000	0.99999
3951	1	0.42	64	1,600	1,072	0.060	25.00	1.49	1.000	0.99997
3971	2	2.53	19	1,682	649	0.029	88.53	2.59	1.056	0.99994
3981	6	8.11	30	2,341	1,469	0.020	78.03	1.59	1.000	0.99996
3982	2	4.41	20	2,947	1,745	0.011	147.35	1.69	1.053	0.99996
3991	2	3.30	2	198	711	0.003	99.00	0.28	1.000	0.99999
4031	2	1.52	85	3,903	693	0.123	45.92	5.63	1.000	0.99987
407	1	0.40	1	24	100	0.010	24.00	0.24	1.000	0.99999
4101	2	2.57	30	2,310	578	0.052	77.00	4.00	2.000	0.99991
4134	1	2.28	3	411	828	0.004	137.00	0.50	1.000	0.99999
4138	1	0.57	32	1,088	662	0.048	34.00	1.64	1.000	0.99996
4142	1	1.35	1	81	583	0.002	81.00	0.14	1.000	0.99999
4151	1	1.02	54	3,294	1,225	0.044	61.00	2.69	1.000	0.99994
4152	1	1.35	63	5,103	781	0.081	81.00	6.53	1.000	0.99985
4153	1	2.00	1	120	1,280	0.001	120.00	0.09	1.000	0.99999
4171	7	6.26	165	8,036	834	0.198	48.70	9.64	1.310	0.99978
4172	8	8.99	171	13,294	1,657	0.103	77.74	8.02	1.030	0.99981
4173	2	4.13	105	14,736	612	0.172	140.34	24.08	1.000	0.99944
4182	1	1.42	2	170	997	0.002	85.00	0.17	1.000	0.99999
4211	3	3.14	141	8,883	660	0.214	63.00	13.46	1.000	0.99969
4212	6	5.80	104	6,405	798	0.130	61.59	8.03	1.030	0.99981

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4221	1	0.42	3	75	477	0.006	25.00	0.16	1.000	0.99999
4222	1	0.62	1	37	1,218	0.001	37.00	0.03	1.000	0.99999
4223	1	2.12	5	635	1,558	0.003	127.00	0.41	1.000	0.99999
4224	1	0.47	28	784	750	0.037	28.00	1.05	1.000	0.99998
4303	1	2.30	1	138	806	0.001	138.00	0.17	1.000	0.99999
4312	7	4.70	34	1,092	976	0.035	32.12	1.12	1.214	0.99997
4313	2	2.24	2	134	544	0.004	67.00	0.25	1.000	0.99999
4324	2	1.45	1,160	36,510	1,132	1.025	31.47	32.25	1.019	0.99925
4331	1	0.75	1	45	296	0.003	45.00	0.15	1.000	0.99999
4341	4	4.19	37	2,377	1,716	0.022	64.24	1.39	1.057	0.99997
4342	2	1.38	68	2,822	1,696	0.040	41.50	1.66	1.063	0.99996
4361	3	2.10	74	3,818	1,632	0.045	51.59	2.34	1.000	0.99995
4363	5	3.35	663	35,139	1,563	0.424	53.00	22.48	1.034	0.99948
4371	4	6.93	22	2,243	1,516	0.015	101.95	1.48	1.100	0.99997
4372	22	23.88	153	11,941	420	0.364	78.05	28.43	1.070	0.99934
4431	5	27.50	22	4,438	1,337	0.016	201.73	3.32	1.000	0.99992
4511	4	2.62	44	1,533	1,115	0.039	34.84	1.37	1.048	0.99997
4601	3	7.55	20	4,703	405	0.049	235.15	11.61	1.053	0.99973
4602	1	1.18	71	5,041	932	0.076	71.00	5.41	1.000	0.99987
5603	14	29.02	1,479	201,709	1,240	1.193	136.38	162.67	1.244	0.99623
5905	1	0.62	50	1,850	1,726	0.029	37.00	1.07	1.000	0.99998
6142	2	18.45	38	6,111	297	0.128	160.82	20.58	1.000	0.99952



CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	278	413.31	10,685	785,914	157,460	0.068	73.55	4.99	1.053	0.99988

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
12/1/2012 to 12/31/2012  
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	0.67	1	40	1,062	0.001	40.00	0.04	1.000	0.99999
1082	5	11.56	62	6,540	1,290	0.048	105.48	5.07	1.000	0.99989
1091	4	4.34	4	261	1,639	0.002	65.25	0.16	1.000	0.99999
1092	4	1.94	136	3,627	1,174	0.116	26.67	3.09	1.000	0.99993
1093	2	2.97	2	178	227	0.009	89.00	0.78	1.000	0.99998
1094	4	5.75	63	3,158	1,102	0.057	50.13	2.87	1.000	0.99994
1211	1	0.82	1	49	1,464	0.001	49.00	0.03	1.000	0.99999
1213	1	3.08	1	185	541	0.002	185.00	0.34	1.000	0.99999
1230	1	0.95	104	5,969	1,140	0.091	57.39	5.24	1.000	0.99988
1232	1	1.45	1	87	1,174	0.001	87.00	0.07	1.000	0.99999
1233	3	3.77	26	743	638	0.041	28.58	1.16	1.040	0.99997
1243	1	1.50	5	450	1,186	0.004	90.00	0.38	1.000	0.99999
1261	1	1.57	385	36,523	385	1.000	94.86	94.86	1.000	0.99787
1262	1	0.87	1	52	206	0.005	52.00	0.25	1.000	0.99999
1265	1	0.10	1	6	1,264	0.001	6.00	0.00	1.000	0.99999
1271	2	4.12	244	32,917	924	0.264	134.91	35.62	1.004	0.99920
1273	2	1.45	6	279	864	0.007	46.50	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	CAIDI	SAIDI	CAIFI	ASAI
1282	2	4.62	673	143,673	910	0.740	213.48	157.88	1.001	0.99646
1311	2	3.80	268	44,845	266	1.008	167.33	168.59	1.004	0.99622
1312	2	3.97	1,165	171,647	912	1.277	147.34	188.21	1.276	0.99578
1453	2	1.37	44	1,599	1,790	0.025	36.34	0.89	1.023	0.99998
1454	3	2.27	3	136	906	0.003	45.33	0.15	1.500	0.99999
1521	2	5.13	2	308	352	0.006	154.00	0.88	1.000	0.99998
1841	1	3.02	1	181	606	0.002	181.00	0.30	1.000	0.99999
1843	5	6.25	100	6,131	1,069	0.094	61.31	5.74	1.667	0.99987
2091	3	3.94	872	32,128	868	1.005	36.84	37.01	1.002	0.99917
2092	1	0.80	1	48	900	0.001	48.00	0.05	1.000	0.99999
2211	3	7.43	43	1,935	718	0.060	45.00	2.69	1.103	0.99994
2212	1	1.40	16	1,344	1,257	0.013	84.00	1.07	1.000	0.99998
2511	1	2.45	23	3,393	608	0.038	147.52	5.58	1.000	0.99987
2621	2	1.83	1,161	35,887	1,132	1.026	30.91	31.70	1.018	0.99929
2951	3	3.65	3	219	1,362	0.002	73.00	0.16	1.500	0.99999
2961	3	5.05	1,299	167,022	649	2.002	128.58	257.35	2.002	0.99423
3121	1	0.52	37	1,158	1,090	0.034	31.30	1.06	1.000	0.99998
3221	1	1.77	1	106	1,224	0.001	106.00	0.09	1.000	0.99999
3222	4	26.75	4	1,605	760	0.005	401.25	2.11	1.000	0.99995
3303	1	0.82	1	49	975	0.001	49.00	0.05	1.000	0.99999
3313	2	1.43	111	6,524	1,168	0.095	58.77	5.59	1.000	0.99987
3315	3	5.03	5	426	1,564	0.003	85.20	0.27	1.667	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3422	2	1.00	24	720	964	0.025	30.00	0.75	1.000	0.99998
3471	1	2.78	163	27,297	162	1.006	167.47	168.50	1.000	0.99623
3472	1	2.80	1,557	263,056	1,549	1.005	168.95	169.82	1.000	0.99620
3551	3	1.58	43	1,531	1,008	0.043	35.60	1.52	1.000	0.99997
3553	2	2.86	2	172	1,022	0.002	86.00	0.17	2.000	0.99999
3592	4	3.76	122	5,576	1,692	0.072	45.70	3.30	1.298	0.99993
3593	1	0.27	1	16	930	0.001	16.00	0.02	1.000	0.99999
3621	3	3.52	69	3,939	1,544	0.045	57.09	2.55	1.015	0.99994
3662	1	2.67	1	160	1,131	0.001	160.00	0.14	1.000	0.99999
3663	12	9.77	81	3,717	780	0.104	45.89	4.77	1.052	0.99989
3691	1	1.88	65	7,388	1,140	0.057	113.66	6.48	1.000	0.99985
3694	1	3.03	1	182	1,238	0.001	182.00	0.15	1.000	0.99999
3702	2	3.12	90	8,447	593	0.152	93.86	14.24	1.667	0.99968
3751	3	3.92	25	1,489	858	0.029	59.56	1.74	1.923	0.99996
3871	1	0.60	1	36	1,366	0.001	36.00	0.03	1.000	0.99999
3872	3	3.37	231	23,767	1,146	0.202	102.89	20.74	1.138	0.99954
3878	1	4.05	12	2,926	774	0.016	243.83	3.78	1.000	0.99992
3891	2	3.58	37	5,045	420	0.088	136.35	12.01	1.028	0.99973
3893	7	7.29	78	3,941	1,084	0.072	50.53	3.64	1.279	0.99992
3914	1	1.72	645	66,865	645	1.000	103.67	103.67	1.000	0.99768
3951	7	8.32	1,217	215,653	1,072	1.135	177.20	201.17	1.131	0.99549
3971	2	2.48	2	149	650	0.003	74.50	0.23	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3981	5	7.27	56	5,070	1,474	0.038	90.54	3.44	1.037	0.99992
3982	1	0.77	45	2,097	1,746	0.026	46.60	1.20	1.000	0.99997
3991	1	3.92	1	235	715	0.001	235.00	0.33	1.000	0.99999
401	2	1.36	2	82	108	0.019	41.00	0.76	2.000	0.99998
4031	1	0.80	1	48	692	0.001	48.00	0.07	1.000	0.99999
4101	1	1.80	2	216	578	0.003	108.00	0.37	1.000	0.99999
4142	5	7.19	5	432	584	0.009	86.40	0.74	1.667	0.99998
4153	3	4.02	29	2,347	1,282	0.023	80.93	1.83	2.071	0.99996
4155	2	3.01	243	21,117	2,041	0.119	86.90	10.35	1.034	0.99977
4171	2	1.38	30	1,063	842	0.036	35.43	1.26	1.034	0.99997
4172	11	11.97	3,720	191,875	1,658	2.244	51.58	115.73	2.183	0.99741
4173	5	2.62	11	467	613	0.018	42.45	0.76	1.222	0.99998
4182	2	1.70	2	102	1,000	0.002	51.00	0.10	1.000	0.99999
4212	6	5.35	74	3,910	800	0.093	52.84	4.89	1.028	0.99989
4221	2	5.63	882	156,779	480	1.838	177.75	326.62	1.819	0.99268
4222	1	0.78	1	47	1,294	0.001	47.00	0.04	1.000	0.99999
4223	3	4.32	366	41,823	1,594	0.230	114.27	26.24	1.005	0.99941
4224	2	7.00	571	140,117	750	0.761	245.39	186.82	1.002	0.99581
4302	1	4.17	1,026	256,619	1,024	1.002	250.12	250.60	1.000	0.99439
4324	1	1.18	1	71	1,136	0.001	71.00	0.06	1.000	0.99999
4331	2	2.10	2	126	296	0.007	63.00	0.43	2.000	0.99999
4341	6	4.41	236	8,475	1,722	0.137	35.91	4.92	1.448	0.99989

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4342	8	9.58	201	12,930	1,702	0.118	64.33	7.60	1.075	0.99983
4361	5	4.85	49	3,099	1,632	0.030	63.24	1.90	1.815	0.99996
4363	6	8.06	96	12,168	1,565	0.061	126.75	7.78	1.032	0.99983
4371	1	0.90	1	54	1,520	0.001	54.00	0.04	1.000	0.99999
4373	2	2.70	2	162	746	0.003	81.00	0.22	2.000	0.99999
4385	2	5.83	5	872	1,106	0.005	174.40	0.79	1.000	0.99998
4386	1	2.53	211	32,072	1,646	0.128	152.00	19.48	1.000	0.99956
4431	2	2.76	32	2,747	1,342	0.024	85.84	2.05	1.000	0.99995
4432	1	2.33	9	1,267	443	0.020	140.78	2.86	1.000	0.99994
4511	2	0.77	51	1,268	1,116	0.046	24.86	1.14	1.000	0.99997
4512	1	3.78	23	5,237	926	0.025	227.70	5.66	1.000	0.99987
4602	4	5.81	106	10,535	933	0.114	99.39	11.29	1.165	0.99975
5601	2	1.33	443	29,370	1,142	0.388	66.30	25.72	1.002	0.99942
5603	7	10.75	221	16,261	1,242	0.178	73.58	13.09	1.023	0.99971
5905	3	4.79	38	3,514	1,747	0.022	92.47	2.01	1.462	0.99995
6142	2	3.03	14	972	298	0.047	69.43	3.26	1.000	0.99993
6143	1	5.12	1	307	370	0.003	307.00	0.83	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	259	372.25	20,152	2,319,453	158,451	0.127	115.10	14.64	1.236	0.99967