



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 2010 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.



2010 Multi-Year Worst Performing Circuits

Empire has identified six 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. Items 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 2010 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

Multi-Year Worst Performing Circuits SAIFI 2008 - 2010				
Location	Circuit Number	2010	2009	2008
Black Hawk Junction	4155	4.793	0.992	3.918
Anderson - Southwest	3222	3.589	5.350	5.304
Neosho - East	3981	2.972	5.350	4.221
Wanda - South	3991	1.424	4.340	6.140
Joplin - Fir Road	4172	1.003	3.950	7.968
Buffalo - North	4091	0.462	5.070	6.201



Circuit: 4155
Area Served: Ozark, Missouri
2010 SAIFI: 4.79
2008 SAIFI: 3.92

This circuit is scheduled to have a comprehensive intrusive inspection in 2018 and an overhead infrared inspection in 2012. 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 2010 and is scheduled again for 2012.

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

Circuit: 3222
Area Served: Anderson, Missouri
2010 SAIFI: 3.59
2009 SAIFI: 5.35
2008 SAIFI: 5.30

This circuit is scheduled to have a comprehensive intrusive inspection in 2012 and an overhead 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 2009 and is scheduled again for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.

Circuit: 3981
Area Served: Neosho, Missouri
2010 SAIFI: 2.97
2009 SAIFI: 5.35

This circuit is scheduled to have a comprehensive intrusive inspection in 2017 and an overhead visual inspection in 2011. 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 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.



Circuit: 3991

Area Served: Wanda, Missouri

2009 SAIFI: 4.34

2008 SAIFI: 6.14

This circuit is scheduled to have a comprehensive intrusive inspection in 2016 and an overhead infrared 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 is scheduled for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.

Circuit: 4172

Area Served: Joplin, Missouri

2009 SAIFI: 3.95

2008 SAIFI: 7.97

This circuit is scheduled to have a comprehensive intrusive inspection in 2018 and a visual overhead inspection in 2012. 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 2012.

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

Circuit: 4091

Area Served: Buffalo, Missouri

2009 SAIFI: 5.07

2008 SAIFI: 6.20

This circuit is scheduled to have a comprehensive intrusive inspection in 2017 and an overhead infrared inspection in 2014. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2009 and is scheduled again for 2013.

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



2010 Worst Performing Circuits

The table below lists the 2010 Worst Performing Circuits ranked according to their SAIFI value. A more detailed list of each circuit's corrective action will follow.

The Empire District Electric Company Worst Performing Circuits- System 2010 Measured by SAIFI									
Location	Circuit Number	Number Of Outages	Outage Hours Reported	Customer Outage Minutes	Customers Affected	Total Cust On Affected Circuits	SAIFI	SAIDI	CAIDI
Nixa - North	1141	27	54.96	719670	4927	893	5.52	805.79	146.07
Wentworth - West	2052	6	9.16	41140	416	85	4.89	484.00	98.89
Black Hawk Junction	4155	18	41.19	922129	9653	2014	4.79	457.89	95.53
Forsyth - North	4102	41	72.27	356991	3868	857	4.52	416.75	92.29
Joplin - Southeast	3913	26	54.36	457352	5070	1308	3.88	349.69	90.21
Joplin - Southwest	3893	44	55.49	206865	2880	770	3.74	268.66	71.83
Seneca - East	3751	57	88.20	326173	4275	1144	3.74	285.14	76.30
Anderson - Southwest	3222	23	44.87	265328	2687	749	3.59	354.40	98.75
Monett - H.T.	1522	12	31.79	36553	333	96	3.47	380.76	109.77
Black Hawk Junction	4154	12	45.12	825195	3354	1070	3.13	770.85	246.03
Neosho - East	3981	47	68.53	286850	3798	1278	2.97	224.49	75.53
Monett - H.T.	1521	32	54.35	176769	1899	641	2.96	275.90	93.09
Neosho - South Junction	1841	20	27.85	395751	3738	1305	2.86	303.21	105.87

Circuit: 1141

Area Served: Nixa, Missouri

SAIFI: 5.52

This circuit received a comprehensive intrusive inspection in 2009 and an overhead infrared inspection in 2010. 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 in 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.



Circuit: 2052

Area Served: Wentworth, Missouri

SAIFI: 4.89

This circuit is scheduled to receive a comprehensive intrusive inspection in 2012 and an overhead infrared inspection in 2014. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled to be performed in 2011 and again in 2014.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.

Circuit: 4155

Area Served: Ozark, Missouri

SAIFI: 4.79

This circuit is scheduled to have a comprehensive intrusive inspection in 2018 and an overhead infrared inspection in 2012. 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 2010 and is scheduled again for 2012.

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

Circuit: 4102

Area Served: Forsyth, Missouri

SAIFI: 4.52

This circuit is scheduled to receive a comprehensive intrusive inspection in 2016. An overhead infrared inspection is scheduled for 2011. A visual inspection of underground equipment is scheduled for 2011. 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 to be performed in 2011 and again in 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.



Circuit: 3913

Area Served: Joplin, Missouri

SAIFI: 3.88

This circuit is scheduled to receive a comprehensive intrusive inspection in 2018. An underground infrared inspection is scheduled for 2011. An overhead visual inspection is scheduled for 2011. 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 to be performed in 2014.

In 2010, the overall length of 3913 was reduced with the addition of Tipton Ford Substation which was added to improve the reliability of this circuit.

Circuit: 3893

Area Served: Joplin, Missouri

SAIFI: 3.74

This circuit is scheduled to receive a comprehensive intrusive inspection in 2011. An overhead and underground visual inspection is scheduled for 2013. 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 to be performed in 2012.

Circuit: 3751

Area Served: Seneca, Missouri

SAIFI: 3.74

This circuit is scheduled to receive a comprehensive intrusive inspection in 2014 and a visual overhead 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 2010 and is scheduled again for 2013.



Circuit: 3222

Area Served: Anderson, Missouri

SAIFI: 3.59

This circuit is scheduled to have a comprehensive intrusive inspection in 2012 and an overhead 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 2009 and is scheduled again for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.

Circuit: 1522

Area Served: Monett, Missouri

SAIFI: 3.47

This circuit is scheduled to receive a comprehensive intrusive inspection in 2011. An overhead infrared inspection was performed in 2009 and is scheduled again for 2015. 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 to be performed in 2012.

Circuit: 4154

Area Served: Ozark, Missouri

SAIFI: 3.13

This circuit is scheduled to receive a comprehensive intrusive inspection in 2018 and an overhead visual inspection in 2012. 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 to be performed in 2011.



Circuit: 3981
Area Served: Neosho, Missouri
SAIFI: 2.97

This circuit is scheduled to have a comprehensive intrusive inspection in 2017 and an overhead visual inspection in 2011. 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 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2011.

Circuit: 1521
Area Served: Monett, Missouri
SAIFI: 2.96

This circuit received a comprehensive intrusive inspection in 2010 and an overhead infrared inspection in 2010. 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 to be performed in 2013.

Circuit: 1841
Area Served: Neosho, Missouri
SAIFI: 2.86

This circuit received a comprehensive intrusive inspection in 2010 and is scheduled to receive an overhead infrared inspection in 2012. 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 2011.

Appendix A

THE EMPIRE DISTRICT ELECTRIC COMPANY CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI 1/1/2010 to 1/31/2010 INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	6	0.69	6	41	1,339	0.004	6.83	0.03	1.000	0.99999
1051	2	3.02	13	1,776	1,044	0.012	136.62	1.70	1.083	0.99996
1082	3	2.59	11	499	1,304	0.008	45.36	0.38	1.000	0.99999
1091	6	11.16	30	4,058	1,595	0.019	135.27	2.54	2.143	0.99994
1094	3	2.36	95	4,805	1,101	0.086	50.58	4.36	1.022	0.99990
1103	2	2.35	833	27,564	861	0.967	33.09	32.01	1.001	0.99928
1211	1	1.83	1	110	1,456	0.001	110.00	0.08	1.000	0.99999
1213	2	8.98	3	646	535	0.006	215.33	1.21	1.500	0.99997
1228	1	0.42	1	25	479	0.002	25.00	0.05	1.000	0.99999
1229	1	0.52	1	31	1,991	0.001	31.00	0.02	1.000	0.99999
1230	2	3.31	2	199	1,141	0.002	99.50	0.17	1.000	0.99999
1232	1	2.90	1	174	1,156	0.001	174.00	0.15	1.000	0.99999
1233	2	4.55	18	2,427	638	0.028	134.83	3.80	1.000	0.99991
1241	1	1.87	1	112	821	0.001	112.00	0.14	1.000	0.99999
1263	1	0.90	1	54	1,309	0.001	54.00	0.04	1.000	0.99999
1271	6	9.39	864	62,339	895	0.965	72.15	69.65	1.006	0.99844
1272	1	1.22	1	73	14	0.071	73.00	5.21	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
1273	1	1.82	1	109	862	0.001	109.00	0.13	1.000	0.99999
1284	1	1.35	1	81	857	0.001	81.00	0.09	1.000	0.99999
1311	1	2.48	1	149	256	0.004	149.00	0.58	1.000	0.99999
1312	1	5.42	1	325	905	0.001	325.00	0.36	1.000	0.99999
1451	1	0.97	71	4,118	510	0.139	58.00	8.07	1.000	0.99982
1452	1	6.03	1	362	438	0.002	362.00	0.83	1.000	0.99998
1453	2	4.75	212	34,445	1,758	0.121	162.48	19.59	1.000	0.99956
1455	1	1.00	1	60	521	0.002	60.00	0.12	1.000	0.99999
1523	1	1.15	7	483	688	0.010	69.00	0.70	1.000	0.99998
1841	4	5.93	1,455	116,139	1,296	1.123	79.82	89.61	1.213	0.99799
1842	1	1.65	193	19,107	262	0.737	99.00	72.93	1.000	0.99837
1843	2	2.52	1,906	143,903	1,042	1.829	75.50	138.10	2.000	0.99691
2051	1	1.58	1	95	157	0.006	95.00	0.61	1.000	0.99999
2091	2	2.14	4	262	849	0.005	65.50	0.31	1.333	0.99999
2212	1	1.52	1	91	1,233	0.001	91.00	0.07	1.000	0.99999
2951	2	2.00	41	2,344	1,334	0.031	57.17	1.76	1.000	0.99996
2952	1	1.20	1	72	144	0.007	72.00	0.50	1.000	0.99999
3123	1	0.87	1	52	693	0.001	52.00	0.08	1.000	0.99999
3221	1	1.05	1	63	1,208	0.001	63.00	0.05	1.000	0.99999
3222	3	7.58	3	455	747	0.004	151.67	0.61	1.500	0.99999
3232	1	2.72	11	1,793	410	0.027	163.00	4.37	1.000	0.99990
3304	3	9.82	90	13,543	923	0.098	150.48	14.67	1.000	0.99967

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3311	1	1.58	1	95	680	0.001	95.00	0.14	1.000	0.99999
3313	4	4.48	331	27,611	904	0.366	83.42	30.54	1.028	0.99932
3472	1	1.57	96	9,024	1,512	0.063	94.00	5.97	1.000	0.99987
3621	1	0.90	1,447	78,138	1,533	0.944	54.00	50.97	1.000	0.99886
3661	3	9.53	31	2,318	1,081	0.029	74.77	2.14	1.033	0.99995
3671	3	2.67	23	1,190	1,089	0.021	51.74	1.09	1.917	0.99998
3672	1	0.47	34	952	130	0.262	28.00	7.32	1.000	0.99984
3694	1	1.25	2	150	1,201	0.002	75.00	0.12	1.000	0.99999
3751	1	0.55	1	33	1,141	0.001	33.00	0.03	1.000	0.99999
3872	1	1.43	1	86	1,142	0.001	86.00	0.08	1.000	0.99999
3873	1	7.25	17	7,395	1,901	0.009	435.00	3.89	1.000	0.99991
3891	2	2.48	2	149	408	0.005	74.50	0.37	1.000	0.99999
3893	2	4.82	68	5,437	766	0.089	79.96	7.10	1.015	0.99984
3913	3	6.53	3	392	1,303	0.002	130.67	0.30	1.000	0.99999
3951	1	0.72	1	43	1,060	0.001	43.00	0.04	1.000	0.99999
3952	1	1.65	1	99	367	0.003	99.00	0.27	1.000	0.99999
3981	3	4.47	3	268	1,269	0.002	89.33	0.21	1.000	0.99999
3991	3	5.76	3	346	693	0.004	115.33	0.50	1.000	0.99999
403	1	0.80	7	336	256	0.027	48.00	1.31	1.000	0.99997
4031	1	1.72	1	103	636	0.002	103.00	0.16	1.000	0.99999
4091	5	3.20	50	2,036	1,128	0.044	40.72	1.80	1.020	0.99996
4092	1	1.30	2	156	408	0.005	78.00	0.38	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	3	14.04	67	17,386	849	0.079	259.49	20.48	1.015	0.99954
4138	1	0.53	1	32	707	0.001	32.00	0.05	1.000	0.99999
4151	1	3.55	21	4,473	1,223	0.017	213.00	3.66	1.000	0.99992
4154	1	2.83	1	170	1,065	0.001	170.00	0.16	1.000	0.99999
4155	2	1.96	3	192	2,005	0.001	64.00	0.10	1.500	0.99999
4171	1	1.67	1	100	1,113	0.001	100.00	0.09	1.000	0.99999
4172	2	2.90	24	1,978	1,627	0.015	82.42	1.22	1.000	0.99997
4173	1	1.50	7	630	603	0.012	90.00	1.04	1.000	0.99998
4181	1	1.97	10	1,180	468	0.021	118.00	2.52	1.000	0.99994
4211	1	1.02	17	1,037	1,263	0.013	61.00	0.82	1.000	0.99998
4222	1	0.65	1	39	1,594	0.001	39.00	0.02	1.000	0.99999
4223	1	1.37	79	6,478	988	0.080	82.00	6.56	1.000	0.99985
4224	2	2.40	54	3,888	675	0.080	72.00	5.76	1.038	0.99987
4311	2	0.85	20	519	891	0.022	25.95	0.58	1.053	0.99999
4324	1	0.45	8	216	1,046	0.008	27.00	0.21	1.000	0.99999
4341	6	17.94	37	7,564	1,939	0.019	204.43	3.90	1.233	0.99991
4342	2	3.22	12	1,793	1,687	0.007	149.42	1.06	1.000	0.99998
4343	1	0.70	1	42	767	0.001	42.00	0.05	1.000	0.99999
4361	8	16.43	1,475	168,149	1,889	0.781	114.00	89.01	1.123	0.99801
4371	5	8.95	5	538	2,225	0.002	107.60	0.24	1.000	0.99999
4386	1	1.10	6	396	1,634	0.004	66.00	0.24	1.000	0.99999
4511	1	2.85	2	342	1,109	0.002	171.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	1	0.55	6	198	84	0.071	33.00	2.36	1.000	0.99995
5603	2	4.35	22	2,038	1,224	0.018	92.64	1.67	1.000	0.99996
5642	1	0.75	1	45	230	0.004	45.00	0.20	1.000	0.99999
6142	1	1.23	3	222	291	0.010	74.00	0.76	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	165	284.50	9,895	798,986	157,269	0.063	80.75	5.08	1.167	0.99989

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2010 to 2/28/2010
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
1091	1	0.65	29	1,131	1,595	0.018	39.00	0.71	1.000	0.99998
1092	1	0.88	12	636	1,154	0.010	53.00	0.55	1.000	0.99999
1141	1	0.65	27	1,053	893	0.030	39.00	1.18	1.000	0.99997
1212	1	2.40	23	3,312	67	0.343	144.00	49.43	1.000	0.99877
1229	1	2.32	1	139	1,991	0.001	139.00	0.07	1.000	0.99999
1230	1	0.28	1	17	1,141	0.001	17.00	0.01	1.000	0.99999
1242	1	0.40	1	24	665	0.002	24.00	0.04	1.000	0.99999
1271	2	0.70	5	105	895	0.006	21.00	0.12	1.000	0.99999
1521	1	3.10	1	186	348	0.003	186.00	0.53	1.000	0.99999
1841	1	2.00	212	25,440	1,296	0.164	120.00	19.63	1.000	0.99951
2091	2	4.10	2	246	849	0.002	123.00	0.29	1.000	0.99999
2092	2	1.95	2	117	886	0.002	58.50	0.13	1.000	0.99999
2511	2	2.68	2	161	606	0.003	80.50	0.27	1.000	0.99999
2621	1	2.75	1	165	1,107	0.001	165.00	0.15	1.000	0.99999
3081	1	1.48	2	178	560	0.004	89.00	0.32	1.000	0.99999
3122	1	1.13	7	476	828	0.008	68.00	0.57	1.000	0.99999
3304	1	0.73	80	3,520	923	0.087	44.00	3.81	1.000	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
3311	3	9.03	12	2,253	675	0.018	187.75	3.34	1.000	0.99992
3472	3	7.70	41	4,870	1,512	0.027	118.78	3.22	1.000	0.99992
3552	1	1.35	1	81	569	0.002	81.00	0.14	1.000	0.99999
3592	1	1.78	53	5,671	1,663	0.032	107.00	3.41	1.000	0.99992
3621	1	0.65	1	39	1,533	0.001	39.00	0.03	1.000	0.99999
3701	1	1.60	1	96	460	0.002	96.00	0.21	1.000	0.99999
3751	2	2.80	1,166	139,088	1,141	1.022	119.29	121.90	1.024	0.99698
3871	2	4.65	6	837	1,357	0.004	139.50	0.62	2.000	0.99998
3872	1	0.87	1	52	1,142	0.001	52.00	0.05	1.000	0.99999
3873	1	1.15	9	621	1,901	0.005	69.00	0.33	1.000	0.99999
3891	1	0.85	17	867	408	0.042	51.00	2.13	1.000	0.99995
3901	1	0.52	1	31	845	0.001	31.00	0.04	1.000	0.99999
3951	1	6.05	7	2,541	1,060	0.007	363.00	2.40	1.000	0.99994
3952	4	9.55	4	573	367	0.011	143.25	1.56	1.000	0.99996
3971	2	4.27	2	256	642	0.003	128.00	0.40	1.000	0.99999
3982	1	1.37	1	82	1,724	0.001	82.00	0.05	1.000	0.99999
406	1	1.43	1	86	69	0.014	86.00	1.25	1.000	0.99997
4091	1	0.52	1	31	1,128	0.001	31.00	0.03	1.000	0.99999
4101	1	1.08	1	65	565	0.002	65.00	0.12	1.000	0.99999
4102	6	6.05	38	5,707	849	0.045	150.18	6.72	1.118	0.99983
4152	1	1.07	36	2,304	741	0.049	64.00	3.11	1.000	0.99992
4153	1	1.18	1	71	1,187	0.001	71.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4155	1	2.40	1,985	285,840	2,005	0.990	144.00	142.56	1.000	0.99646
4172	1	0.65	118	4,602	1,627	0.073	39.00	2.83	1.000	0.99993
4173	1	0.72	26	1,118	603	0.043	43.00	1.85	1.000	0.99995
4221	1	0.93	1	56	475	0.002	56.00	0.12	1.000	0.99999
4324	1	0.63	1	38	1,046	0.001	38.00	0.04	1.000	0.99999
4334	1	2.12	1	127	339	0.003	127.00	0.37	1.000	0.99999
4341	2	2.12	14	787	1,939	0.007	56.21	0.41	1.077	0.99999
4343	2	4.10	126	10,298	767	0.164	81.73	13.43	1.000	0.99967
4361	3	2.28	47	2,865	1,889	0.025	60.96	1.52	1.044	0.99996
4362	1	1.05	1	63	799	0.001	63.00	0.08	1.000	0.99999
4363	1	0.98	91	5,369	651	0.140	59.00	8.25	1.000	0.99980
4371	2	4.60	29	4,893	2,225	0.013	168.72	2.20	1.036	0.99995
4431	1	1.17	25	1,750	1,312	0.019	70.00	1.33	1.000	0.99997
5603	4	8.89	71	3,089	1,224	0.058	43.51	2.52	1.000	0.99994
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	80	126.36	4,345	524,023	157,315	0.028	120.60	3.33	1.009	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2010 to 3/31/2010
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1082	5	9.98	23	2,385	1,306	0.018	103.70	1.83	1.045	0.99996
1091	1	0.97	1	58	1,600	0.001	58.00	0.04	1.000	0.99999
1092	2	2.90	40	3,860	1,156	0.035	96.50	3.34	1.026	0.99993
1093	1	3.13	36	6,768	214	0.168	188.00	31.63	1.000	0.99929
1094	3	5.00	14	803	1,098	0.013	57.36	0.73	1.077	0.99998
1102	1	0.82	1	49	624	0.002	49.00	0.08	1.000	0.99999
1103	1	1.92	93	10,695	863	0.108	115.00	12.39	1.000	0.99972
1211	3	3.59	1,450	61,559	1,456	0.996	42.45	42.28	1.063	0.99905
1226	1	0.82	21	1,029	341	0.062	49.00	3.02	1.000	0.99993
1227	1	0.55	1	33	1,168	0.001	33.00	0.03	1.000	0.99999
1229	2	3.25	100	7,153	1,993	0.050	71.53	3.59	1.010	0.99992
1230	1	5.40	1	324	1,144	0.001	324.00	0.28	1.000	0.99999
1232	1	0.95	1	57	1,157	0.001	57.00	0.05	1.000	0.99999
1233	2	2.65	2	159	638	0.003	79.50	0.25	1.000	0.99999
1242	2	1.05	2	63	668	0.003	31.50	0.09	1.000	0.99999
1243	8	24.98	83	18,833	1,277	0.065	226.90	14.75	1.092	0.99967
1262	1	0.73	1	44	206	0.005	44.00	0.21	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	1	0.45	7	189	1,309	0.005	27.00	0.14	1.000	0.99999
1271	1	1.57	1	94	898	0.001	94.00	0.10	1.000	0.99999
1273	2	3.18	16	1,409	862	0.019	88.06	1.63	1.000	0.99996
1281	1	3.30	1	198	97	0.010	198.00	2.04	1.000	0.99995
1453	2	3.55	2	213	1,758	0.001	106.50	0.12	1.000	0.99999
1521	1	1.57	55	5,170	520	0.106	94.00	9.94	1.000	0.99978
1522	3	5.16	119	10,499	96	1.240	88.23	109.36	1.266	0.99755
1523	1	1.63	1	98	690	0.001	98.00	0.14	1.000	0.99999
1842	1	0.75	1	45	262	0.004	45.00	0.17	1.000	0.99999
1843	2	3.44	10	718	1,044	0.010	71.80	0.69	1.111	0.99998
2051	1	1.33	1	80	157	0.006	80.00	0.51	1.000	0.99999
2172	1	0.87	1	52	215	0.005	52.00	0.24	1.000	0.99999
2211	2	4.55	738	107,444	718	1.028	145.59	149.64	1.022	0.99665
2212	7	13.52	517	72,124	1,236	0.418	139.50	58.35	1.105	0.99869
2491	1	3.20	44	8,448	59	0.746	192.00	143.19	1.000	0.99679
2621	12	17.51	1,525	131,800	1,108	1.376	86.43	118.95	1.735	0.99734
2622	1	1.80	6	648	112	0.054	108.00	5.79	1.000	0.99987
2951	2	3.27	2	196	1,335	0.001	98.00	0.15	1.000	0.99999
3122	2	3.62	16	1,015	830	0.019	63.44	1.22	1.067	0.99997
3181	2	2.17	464	40,184	696	0.667	86.60	57.74	1.055	0.99871
3221	1	0.95	1	57	1,209	0.001	57.00	0.05	1.000	0.99999
3222	2	4.23	738	134,206	747	0.988	181.85	179.66	1.001	0.99598

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3301	1	0.80	8	384	204	0.039	48.00	1.88	1.000	0.99996
3302	1	0.50	1	30	736	0.001	30.00	0.04	1.000	0.99999
3304	2	2.11	7	317	940	0.007	45.29	0.34	1.000	0.99999
3311	1	1.62	1	97	688	0.001	97.00	0.14	1.000	0.99999
3313	1	0.60	69	2,484	878	0.079	36.00	2.83	1.000	0.99994
3315	1	0.93	28	1,568	1,363	0.021	56.00	1.15	1.000	0.99997
3422	2	5.52	2	331	952	0.002	165.50	0.35	1.000	0.99999
3472	1	3.22	85	16,405	1,513	0.056	193.00	10.84	1.000	0.99976
3551	2	5.78	43	7,014	996	0.043	163.12	7.04	1.000	0.99984
3552	2	2.00	575	46,029	570	1.009	80.05	80.75	1.023	0.99819
3553	2	6.78	11	677	1,004	0.011	61.55	0.67	1.000	0.99998
3592	2	3.54	49	7,873	1,667	0.029	160.67	4.72	1.021	0.99989
3621	2	4.65	11	2,574	1,536	0.007	234.00	1.68	1.100	0.99996
3661	2	2.81	137	13,312	1,082	0.127	97.17	12.30	1.000	0.99972
3662	1	2.52	1	151	1,089	0.001	151.00	0.14	1.000	0.99999
3673	2	2.02	10	745	259	0.039	74.50	2.88	1.111	0.99994
3691	2	2.82	20	1,321	1,343	0.015	66.05	0.98	1.053	0.99998
3694	2	7.75	24	6,691	1,206	0.020	278.79	5.55	1.043	0.99988
3701	1	1.05	1	63	461	0.002	63.00	0.14	1.000	0.99999
3751	3	4.49	22	1,949	1,143	0.019	88.59	1.71	1.048	0.99996
3872	1	0.82	1	49	1,142	0.001	49.00	0.04	1.000	0.99999
3873	2	4.07	2	244	1,904	0.001	122.00	0.13	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
3891	5	5.84	27	2,095	408	0.066	77.59	5.13	1.125	0.99988
3892	2	4.45	34	5,227	440	0.077	153.74	11.88	1.030	0.99973
3893	1	1.08	14	910	768	0.018	65.00	1.18	1.000	0.99997
3901	4	8.49	56	8,156	846	0.066	145.64	9.64	1.057	0.99978
3903	2	2.92	2	175	285	0.007	87.50	0.61	1.000	0.99999
3912	1	0.77	1,063	48,898	1,110	0.958	46.00	44.05	1.000	0.99901
3914	1	3.43	1	206	698	0.001	206.00	0.30	1.000	0.99999
3951	10	15.24	1,090	85,809	1,060	1.028	78.72	80.95	1.023	0.99819
3952	1	2.77	1	166	368	0.003	166.00	0.45	1.000	0.99999
3971	2	6.10	64	14,998	642	0.100	234.34	23.36	1.016	0.99948
3981	2	3.78	55	6,428	1,270	0.043	116.87	5.06	1.019	0.99989
3982	2	1.53	22	972	1,724	0.013	44.18	0.56	1.048	0.99999
3991	2	3.90	34	3,340	694	0.049	98.24	4.81	1.000	0.99989
403	2	0.71	2	43	256	0.008	21.50	0.17	1.000	0.99999
4101	2	1.50	2	90	566	0.004	45.00	0.16	1.000	0.99999
4136	1	2.38	14	2,002	664	0.021	143.00	3.02	1.000	0.99993
4138	1	2.77	1	166	707	0.001	166.00	0.23	1.000	0.99999
4141	4	6.15	4	369	80	0.050	92.25	4.61	1.000	0.99990
4152	4	2.10	868	40,912	742	1.170	47.13	55.14	1.081	0.99876
4171	1	3.38	1	203	1,114	0.001	203.00	0.18	1.000	0.99999
4172	2	1.78	62	3,759	1,630	0.038	60.63	2.31	1.000	0.99995
4181	1	0.90	40	2,160	468	0.085	54.00	4.62	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4182	1	3.17	2	380	982	0.002	190.00	0.39	1.000	0.99999
4211	5	6.52	109	10,297	1,264	0.086	94.47	8.15	1.038	0.99982
4212	4	5.89	26	2,666	785	0.033	102.54	3.40	1.083	0.99992
4221	3	6.19	146	16,899	476	0.307	115.75	35.50	1.028	0.99920
4222	2	3.05	2	183	1,594	0.001	91.50	0.11	1.000	0.99999
4301	3	6.08	51	2,333	596	0.086	45.75	3.91	1.000	0.99991
4302	1	3.23	1	194	641	0.002	194.00	0.30	1.000	0.99999
4311	3	5.00	21	1,056	892	0.024	50.29	1.18	1.105	0.99997
4341	1	1.25	1	75	1,940	0.001	75.00	0.04	1.000	0.99999
4342	2	1.98	101	5,982	1,688	0.060	59.23	3.54	1.000	0.99992
4343	4	8.67	123	8,928	766	0.161	72.59	11.66	1.171	0.99974
4361	3	8.17	50	8,386	1,895	0.026	167.72	4.43	1.042	0.99990
4362	1	0.92	36	1,980	799	0.045	55.00	2.48	1.000	0.99994
4363	2	1.07	94	2,656	651	0.144	28.26	4.08	1.000	0.99991
4371	7	16.35	34	4,909	2,226	0.015	144.38	2.21	1.097	0.99995
4372	2	8.85	47	7,011	303	0.155	149.17	23.14	1.022	0.99948
4386	2	4.02	444	53,502	1,634	0.272	120.50	32.74	2.000	0.99927
4431	1	1.58	1	95	1,314	0.001	95.00	0.07	1.000	0.99999
4432	1	3.12	1	187	424	0.002	187.00	0.44	1.000	0.99999
5602	1	5.63	1	338	490	0.002	338.00	0.69	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
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	223	399.42	11,992	1,094,208	157,642	0.076	91.24	6.94	1.115	0.99984

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2010 to 4/30/2010
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	1.17	1	70	1,048	0.001	70.00	0.07	1.000	0.99999
1091	4	10.10	142	15,868	1,604	0.089	111.75	9.89	1.036	0.99977
1141	1	0.78	1	47	893	0.001	47.00	0.05	1.000	0.99999
1142	1	1.10	1	66	212	0.005	66.00	0.31	1.000	0.99999
1211	1	0.83	1	50	1,457	0.001	50.00	0.03	1.000	0.99999
1225	1	0.38	1	23	933	0.001	23.00	0.02	1.000	0.99999
1226	3	3.18	111	7,067	342	0.325	63.67	20.66	1.000	0.99952
1227	4	6.22	892	115,369	1,169	0.763	129.34	98.69	1.244	0.99772
1229	2	1.10	142	3,846	1,995	0.071	27.08	1.93	1.007	0.99996
1230	2	1.96	49	2,978	1,146	0.043	60.78	2.60	1.000	0.99994
1233	2	5.65	2	339	638	0.003	169.50	0.53	1.000	0.99999
1241	2	1.53	15	1,106	822	0.018	73.73	1.35	1.071	0.99997
1243	1	0.62	1	37	1,275	0.001	37.00	0.03	1.000	0.99999
1261	1	2.38	1	143	380	0.003	143.00	0.38	1.000	0.99999
1263	1	0.93	18	1,008	1,309	0.014	56.00	0.77	1.000	0.99998
1265	3	6.03	1,381	219,114	1,298	1.064	158.66	168.81	1.075	0.99609
1271	2	1.77	98	5,240	900	0.109	53.47	5.82	1.043	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
1273	3	1.72	4	169	862	0.005	42.25	0.20	1.000	0.99999
1282	2	3.66	27	1,995	913	0.030	73.89	2.19	1.038	0.99995
1284	3	2.45	3	147	859	0.003	49.00	0.17	1.000	0.99999
1312	1	1.42	1	85	904	0.001	85.00	0.09	1.000	0.99999
1451	2	1.42	17	735	512	0.033	43.24	1.44	1.000	0.99997
1452	2	1.09	2	65	441	0.005	32.50	0.15	1.000	0.99999
1453	2	2.77	2	166	1,759	0.001	83.00	0.09	1.000	0.99999
1521	2	6.35	243	40,834	691	0.352	168.04	59.09	2.641	0.99863
1521	2	6.35	243	40,834	691	0.352	168.04	59.09	1.609	0.99863
1841	1	3.67	250	55,000	1,303	0.192	220.00	42.21	1.000	0.99902
1843	5	5.93	65	4,756	1,047	0.062	73.17	4.54	1.548	0.99989
2091	1	2.02	481	58,201	854	0.563	121.00	68.15	1.000	0.99842
2211	2	2.40	2	144	718	0.003	72.00	0.20	1.000	0.99999
2621	1	1.30	1	78	1,108	0.001	78.00	0.07	1.000	0.99999
2622	1	1.65	6	594	112	0.054	99.00	5.30	1.000	0.99988
2951	1	0.90	1	54	1,336	0.001	54.00	0.04	1.000	0.99999
2962	1	1.15	1	69	244	0.004	69.00	0.28	1.000	0.99999
3041	1	2.13	1	128	76	0.013	128.00	1.68	1.000	0.99996
3121	2	1.29	90	3,597	1,064	0.085	39.97	3.38	1.011	0.99992
3122	2	4.23	4	656	831	0.005	164.00	0.79	1.000	0.99998
3123	2	2.18	2	131	697	0.003	65.50	0.19	1.000	0.99999
3181	3	2.15	3	129	697	0.004	43.00	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
3222	7	16.96	629	63,522	747	0.842	100.99	85.04	1.018	0.99803
3304	4	8.58	118	10,404	958	0.123	88.17	10.86	1.017	0.99975
3311	1	1.42	8	680	700	0.011	85.00	0.97	1.000	0.99998
3313	1	0.80	1	48	919	0.001	48.00	0.05	1.000	0.99999
3314	1	0.92	20	1,100	221	0.090	55.00	4.98	1.000	0.99988
3315	2	3.18	30	3,190	1,361	0.022	106.33	2.34	1.000	0.99995
3421	1	0.37	1	22	665	0.002	22.00	0.03	1.000	0.99999
3422	2	2.68	2	161	952	0.002	80.50	0.17	2.000	0.99999
3472	6	12.13	170	9,529	1,514	0.112	56.05	6.29	1.037	0.99985
3591	2	2.70	6	418	1,095	0.005	69.67	0.38	1.000	0.99999
3621	1	1.65	1	99	1,538	0.001	99.00	0.06	1.000	0.99999
3661	2	3.96	130	8,846	1,084	0.120	68.05	8.16	1.000	0.99981
3671	1	1.97	52	6,136	1,091	0.048	118.00	5.62	1.000	0.99987
3692	1	2.48	4	596	402	0.010	149.00	1.48	1.000	0.99997
3694	1	2.33	1	140	1,211	0.001	140.00	0.12	1.000	0.99999
3701	3	6.15	58	4,725	462	0.126	81.47	10.23	1.074	0.99976
3702	1	3.63	1	218	589	0.002	218.00	0.37	1.000	0.99999
3751	1	0.48	4	116	1,145	0.003	29.00	0.10	1.000	0.99999
3871	1	0.55	1	33	1,359	0.001	33.00	0.02	1.000	0.99999
3873	5	7.90	369	48,913	1,907	0.193	132.56	25.65	1.028	0.99941
3891	4	8.98	413	21,003	408	1.012	50.85	51.48	1.027	0.99881
3892	1	0.87	1	52	444	0.002	52.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3893	4	5.22	268	16,615	769	0.349	62.00	21.61	1.023	0.99950
3894	1	0.78	1	47	110	0.009	47.00	0.43	1.000	0.99999
3903	1	1.90	28	3,192	285	0.098	114.00	11.20	1.000	0.99974
3913	5	5.94	123	8,580	1,304	0.094	69.76	6.58	1.242	0.99985
3914	1	1.42	48	4,080	699	0.069	85.00	5.84	1.000	0.99986
3951	4	5.40	158	16,866	1,061	0.149	106.75	15.90	1.053	0.99963
3952	1	2.28	1	137	369	0.003	137.00	0.37	1.000	0.99999
3971	2	2.90	2	174	642	0.003	87.00	0.27	1.000	0.99999
3981	5	9.21	53	5,017	1,271	0.042	94.66	3.95	1.060	0.99991
3982	7	10.14	374	27,453	1,725	0.217	73.40	15.91	1.000	0.99963
3991	7	18.36	71	12,690	694	0.102	178.73	18.29	1.060	0.99958
3992	1	1.83	6	660	161	0.037	110.00	4.10	1.000	0.99991
401	1	0.85	1	51	109	0.009	51.00	0.47	1.000	0.99999
403	1	1.00	1	60	258	0.004	60.00	0.23	1.000	0.99999
404	2	1.75	166	11,006	166	1.000	66.30	66.30	1.025	0.99847
4091	2	3.55	4	429	1,130	0.004	107.25	0.38	1.000	0.99999
4101	1	0.87	2	104	567	0.004	52.00	0.18	1.000	0.99999
4102	2	4.33	6	1,160	852	0.007	193.33	1.36	1.200	0.99997
4131	3	5.53	168	23,643	183	0.918	140.73	129.20	1.024	0.99701
4133	1	2.58	1	155	312	0.003	155.00	0.50	1.000	0.99999
4134	3	8.60	11	3,188	823	0.013	289.82	3.87	1.222	0.99991
4138	1	2.83	20	3,400	707	0.028	170.00	4.81	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
4142	2	3.73	41	5,801	569	0.072	141.49	10.20	1.000	0.99976
4151	1	1.42	1	85	1,231	0.001	85.00	0.07	1.000	0.99999
4152	1	1.37	1	82	744	0.001	82.00	0.11	1.000	0.99999
4153	1	0.50	936	28,080	1,194	0.784	30.00	23.52	1.000	0.99946
4154	1	0.70	16	672	1,068	0.015	42.00	0.63	1.000	0.99999
4155	4	6.36	2,022	65,482	2,016	1.003	32.38	32.48	1.019	0.99925
4171	6	7.21	2,266	124,473	1,115	2.032	54.93	111.63	2.051	0.99742
4172	1	1.40	28	2,352	1,632	0.017	84.00	1.44	1.000	0.99997
4182	1	2.18	1	131	982	0.001	131.00	0.13	1.000	0.99999
4211	2	1.48	19	752	1,264	0.015	39.58	0.59	1.056	0.99999
4212	3	2.74	827	43,906	785	1.054	53.09	55.93	1.060	0.99871
4221	9	16.02	172	29,572	477	0.361	171.93	62.00	1.049	0.99856
4222	3	1.70	10	424	1,594	0.006	42.40	0.27	1.000	0.99999
4302	2	1.65	3	181	641	0.005	60.33	0.28	1.000	0.99999
4303	1	0.83	11	550	829	0.013	50.00	0.66	1.000	0.99998
4313	1	1.73	15	1,560	519	0.029	104.00	3.01	1.000	0.99993
4324	10	5.46	10	327	1,054	0.009	32.70	0.31	1.000	0.99999
4331	3	13.77	17	4,200	293	0.058	247.06	14.33	1.063	0.99967
4341	2	1.00	8	288	1,942	0.004	36.00	0.15	1.143	0.99999
4342	2	2.63	28	2,420	1,688	0.017	86.43	1.43	1.037	0.99997
4343	3	3.70	41	2,080	766	0.054	50.73	2.72	1.025	0.99994
4362	2	3.24	55	5,653	799	0.069	102.78	7.08	1.000	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
4363	1	0.52	19	589	651	0.029	31.00	0.90	1.000	0.99998
4371	2	4.67	2	280	2,227	0.001	140.00	0.13	1.000	0.99999
4432	7	14.50	255	38,774	423	0.603	152.05	91.66	1.861	0.99788
4512	2	2.80	651	90,379	820	0.794	138.83	110.22	1.002	0.99745
5602	4	64.35	7	14,391	490	0.014	2055.86	29.37	1.167	0.99932
5603	4	4.77	36	1,871	1,229	0.029	51.97	1.52	1.059	0.99996
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	260	464.35	15,337	1,364,951	158,658	0.097	89.00	8.60	1.152	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2010 to 5/31/2010
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	1.58	1,374	130,530	1,341	1.025	95.00	97.34	1.000	0.99782
1051	4	4.43	1,233	108,433	1,048	1.177	87.94	103.47	1.162	0.99768
1082	6	13.22	112	34,297	1,308	0.086	306.22	26.22	1.009	0.99941
1091	3	2.95	76	4,307	1,604	0.047	56.67	2.69	1.013	0.99994
1092	7	9.44	140	7,127	1,157	0.121	50.91	6.16	1.007	0.99986
1094	1	1.48	1	89	1,095	0.001	89.00	0.08	1.000	0.99999
1102	2	2.25	51	3,429	626	0.081	67.24	5.48	1.000	0.99988
1141	4	4.82	208	14,682	893	0.233	70.59	16.44	1.000	0.99963
1142	2	4.20	13	978	212	0.061	75.23	4.61	1.083	0.99990
1211	4	5.59	481	53,282	1,457	0.330	110.77	36.57	1.006	0.99918
1213	3	3.02	3	181	536	0.006	60.33	0.34	1.000	0.99999
1225	4	2.78	101	4,987	933	0.108	49.38	5.35	1.020	0.99988
1226	2	1.97	38	2,062	342	0.111	54.26	6.03	1.000	0.99986
1227	4	5.26	195	11,228	1,169	0.167	57.58	9.60	1.032	0.99978
1229	7	6.96	187	11,171	1,995	0.094	59.74	5.60	1.000	0.99987
1230	2	1.10	60	1,980	1,146	0.052	33.00	1.73	1.000	0.99996
1232	1	1.25	1	75	1,158	0.001	75.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	1	0.92	1	55	822	0.001	55.00	0.07	1.000	0.99999
1243	6	6.29	1,267	35,513	1,275	0.994	28.03	27.85	1.026	0.99938
1263	1	0.97	1	58	1,309	0.001	58.00	0.04	1.000	0.99999
1265	3	4.20	3	252	1,298	0.002	84.00	0.19	1.000	0.99999
1267	1	0.77	1	46	68	0.015	46.00	0.68	1.000	0.99998
1273	2	4.01	2	241	862	0.002	120.50	0.28	1.000	0.99999
1282	1	0.88	91	4,823	913	0.100	53.00	5.28	1.000	0.99988
1284	2	1.60	19	1,405	859	0.022	73.95	1.64	1.056	0.99996
1311	1	0.83	5	250	258	0.019	50.00	0.97	1.000	0.99998
1312	1	2.53	1	152	904	0.001	152.00	0.17	1.000	0.99999
1451	2	2.70	9	883	512	0.018	98.11	1.72	1.000	0.99996
1453	5	10.26	1,289	134,663	1,759	0.733	104.47	76.56	1.206	0.99829
1454	5	8.44	1,076	154,108	896	1.201	143.22	172.00	1.213	0.99615
1455	2	1.67	130	6,500	523	0.249	50.00	12.43	2.000	0.99972
1521	6	10.21	696	42,148	691	1.007	60.56	61.00	1.048	0.99863
1522	2	4.20	95	11,877	96	0.990	125.02	123.72	1.011	0.99723
1523	4	4.97	239	12,468	691	0.346	52.17	18.04	1.021	0.99960
1841	3	2.14	115	4,578	1,303	0.088	39.81	3.51	1.691	0.99992
1843	4	8.20	333	42,885	1,047	0.318	128.78	40.96	1.044	0.99908
2051	1	0.85	8	408	157	0.051	51.00	2.60	1.000	0.99994
2052	1	2.85	83	14,193	85	0.976	171.00	166.98	1.000	0.99626
2091	10	38.47	27	8,190	854	0.032	303.33	9.59	1.174	0.99979

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2092	1	0.88	13	689	887	0.015	53.00	0.78	1.000	0.99998
2171	2	1.53	66	3,356	536	0.123	50.85	6.26	1.015	0.99986
2211	2	2.39	5	443	718	0.007	88.60	0.62	1.250	0.99999
2212	5	7.74	1,229	116,854	1,240	0.991	95.08	94.24	3.625	0.99789
2501	1	0.77	1	46	77	0.013	46.00	0.60	1.000	0.99999
2511	3	3.91	19	1,563	606	0.031	82.26	2.58	1.000	0.99994
2621	2	2.42	2	145	1,108	0.002	72.50	0.13	1.000	0.99999
2622	2	7.50	2	450	112	0.018	225.00	4.02	1.000	0.99991
2951	1	0.77	1	46	1,336	0.001	46.00	0.03	1.000	0.99999
2952	2	6.13	9	1,201	144	0.063	133.44	8.34	1.000	0.99981
2961	5	4.37	146	9,928	951	0.154	68.00	10.44	1.106	0.99977
3121	3	3.14	137	10,587	1,064	0.129	77.28	9.95	1.000	0.99978
3122	3	4.64	866	89,470	831	1.042	103.31	107.67	1.032	0.99759
3123	1	1.57	16	1,504	697	0.023	94.00	2.16	1.000	0.99995
3221	10	12.28	157	18,910	1,210	0.130	120.45	15.63	1.033	0.99965
3231	1	0.85	1	51	398	0.003	51.00	0.13	1.000	0.99999
3232	3	3.80	34	2,309	410	0.083	67.91	5.63	1.030	0.99987
3304	5	4.93	297	16,657	958	0.310	56.08	17.39	1.017	0.99961
3313	1	0.38	13	299	919	0.014	23.00	0.33	1.000	0.99999
3314	2	1.80	29	1,566	221	0.131	54.00	7.09	1.000	0.99984
3315	2	5.54	65	13,787	1,361	0.048	212.11	10.13	1.000	0.99977
3421	1	0.45	23	621	665	0.035	27.00	0.93	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
3422	1	3.23	2	388	952	0.002	194.00	0.41	1.000	0.99999
3472	5	5.44	146	9,053	1,514	0.096	62.01	5.98	1.014	0.99987
3551	3	6.51	33	4,981	997	0.033	150.94	5.00	1.065	0.99989
3552	1	1.38	5	415	570	0.009	83.00	0.73	1.000	0.99998
3553	3	4.61	198	23,482	1,007	0.197	118.60	23.32	1.010	0.99948
3592	1	0.73	3	132	1,671	0.002	44.00	0.08	1.000	0.99999
3594	1	1.55	9	837	601	0.015	93.00	1.39	1.000	0.99997
3621	4	6.52	35	4,545	1,538	0.023	129.86	2.96	1.094	0.99993
3661	1	0.53	160	5,120	1,084	0.148	32.00	4.72	1.000	0.99989
3662	4	5.82	4	349	1,090	0.004	87.25	0.32	1.000	0.99999
3671	2	1.04	77	1,487	1,091	0.071	19.31	1.36	1.013	0.99997
3673	3	4.28	207	14,489	259	0.799	70.00	55.94	1.035	0.99875
3693	2	1.97	56	3,304	184	0.304	59.00	17.96	1.000	0.99960
3701	1	1.23	14	1,036	462	0.030	74.00	2.24	1.000	0.99995
3702	1	0.75	34	1,530	589	0.058	45.00	2.60	1.000	0.99994
3751	23	37.78	171	24,341	1,145	0.149	142.35	21.26	1.118	0.99952
3871	4	3.80	208	9,430	1,359	0.153	45.34	6.94	1.056	0.99984
3872	1	0.68	1	41	1,142	0.001	41.00	0.04	1.000	0.99999
3873	10	13.17	2,045	65,054	1,907	1.072	31.81	34.11	1.103	0.99924
3891	2	3.90	14	1,362	408	0.034	97.29	3.34	1.077	0.99993
3893	2	6.35	212	50,043	769	0.276	236.05	65.08	1.000	0.99854
3901	1	0.80	836	40,128	846	0.988	48.00	47.43	1.000	0.99894

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3902	2	1.41	28	1,229	97	0.289	43.89	12.67	1.037	0.99972
3903	1	0.85	281	14,331	285	0.986	51.00	50.28	1.000	0.99887
3912	1	2.08	26	3,250	1,110	0.023	125.00	2.93	1.000	0.99993
3913	2	4.13	496	51,770	1,304	0.380	104.38	39.70	1.000	0.99911
3914	1	1.00	61	3,660	699	0.087	60.00	5.24	1.000	0.99988
3951	4	3.82	152	8,481	1,061	0.143	55.80	7.99	1.048	0.99982
3952	5	6.61	377	21,726	369	1.022	57.63	58.88	1.024	0.99868
3971	1	1.27	18	1,368	642	0.028	76.00	2.13	1.000	0.99995
3981	6	3.79	1,305	12,056	1,271	1.027	9.24	9.49	1.034	0.99979
3982	7	21.89	204	18,447	1,725	0.118	90.43	10.69	1.020	0.99976
3991	4	6.96	16	1,846	694	0.023	115.38	2.66	1.143	0.99994
4091	1	0.97	1	58	1,130	0.001	58.00	0.05	1.000	0.99999
4092	1	0.92	1	55	411	0.002	55.00	0.13	1.000	0.99999
4102	4	6.19	1,677	169,308	852	1.968	100.96	198.72	2.013	0.99555
4132	2	0.87	300	5,040	564	0.532	16.80	8.94	1.042	0.99980
4134	3	5.18	89	10,889	823	0.108	122.35	13.23	1.023	0.99970
4137	2	1.99	77	4,631	806	0.096	60.14	5.75	1.000	0.99987
4138	4	4.81	70	5,408	707	0.099	77.26	7.65	1.000	0.99983
4142	2	3.62	36	4,653	569	0.063	129.25	8.18	1.029	0.99982
4151	4	4.67	80	3,752	1,231	0.065	46.90	3.05	1.026	0.99993
4152	1	1.93	43	4,988	744	0.058	116.00	6.70	1.000	0.99985
4153	2	1.67	15	841	1,194	0.013	56.07	0.70	1.071	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
4155	1	2.40	229	32,976	2,016	0.114	144.00	16.36	1.000	0.99963
4171	9	102.73	114	22,118	1,115	0.102	194.02	19.84	1.036	0.99956
4172	7	9.11	266	25,096	1,632	0.163	94.35	15.38	1.008	0.99966
4181	1	1.33	40	3,200	468	0.085	80.00	6.84	1.000	0.99985
4182	1	1.17	5	350	982	0.005	70.00	0.36	1.000	0.99999
4211	6	10.91	1,310	379,589	1,264	1.036	289.76	300.31	1.048	0.99327
4212	4	5.64	8	462	785	0.010	57.75	0.59	1.000	0.99999
4221	2	4.15	42	9,329	477	0.088	222.12	19.56	1.024	0.99956
4222	2	2.59	41	4,172	1,594	0.026	101.76	2.62	1.025	0.99994
4223	1	1.08	19	1,235	1,004	0.019	65.00	1.23	1.000	0.99997
4301	1	1.55	47	4,371	597	0.079	93.00	7.32	1.000	0.99984
4303	2	2.30	2	138	829	0.002	69.00	0.17	1.000	0.99999
4324	5	9.78	123	15,437	1,054	0.117	125.50	14.65	1.008	0.99967
4332	1	0.87	1	52	279	0.004	52.00	0.19	1.000	0.99999
4333	1	2.65	1	159	481	0.002	159.00	0.33	1.000	0.99999
4341	7	7.62	135	13,483	1,942	0.070	99.87	6.94	1.031	0.99984
4342	3	2.81	51	4,153	1,688	0.030	81.43	2.46	1.020	0.99994
4343	1	0.58	1	35	766	0.001	35.00	0.05	1.000	0.99999
4361	2	1.85	15	774	1,901	0.008	51.60	0.41	1.000	0.99999
4363	5	8.02	64	4,271	651	0.098	66.73	6.56	1.000	0.99985
4371	8	10.06	87	5,560	2,227	0.039	63.91	2.50	1.024	0.99994
4372	5	10.28	5	617	303	0.017	123.40	2.04	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
4385	1	1.42	3	255	1,093	0.003	85.00	0.23	1.000	0.99999
4386	2	2.13	13	722	1,635	0.008	55.54	0.44	1.083	0.99999
4431	6	11.88	68	5,309	1,317	0.052	78.07	4.03	1.063	0.99991
4432	6	10.25	37	2,135	423	0.087	57.70	5.05	1.000	0.99989
4602	4	5.20	254	20,992	935	0.272	82.65	22.45	1.000	0.99950
5602	2	2.30	36	2,484	490	0.073	69.00	5.07	1.000	0.99989
5603	2	2.88	54	3,397	1,229	0.044	62.91	2.76	1.000	0.99994
6021	1	1.02	1	61	660	0.002	61.00	0.09	1.000	0.99999
6022	3	5.10	19	1,217	374	0.051	64.05	3.25	1.118	0.99993
6141	3	6.08	22	1,448	616	0.036	65.82	2.35	1.048	0.99995
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	420	714.49	25,832	2,329,947	157,967	0.164	90.20	14.75	1.131	0.99967

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2010 to 6/30/2010
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	2.62	139	7,919	1,342	0.104	56.97	5.90	1.000	0.99986
1051	2	3.05	24	1,151	1,048	0.023	47.96	1.10	1.043	0.99997
1081	1	1.00	1	60	18	0.056	60.00	3.33	1.000	0.99992
1082	8	10.26	20	1,410	1,310	0.015	70.50	1.08	1.111	0.99998
1091	14	27.81	505	48,326	1,604	0.315	95.70	30.13	1.033	0.99930
1092	2	2.43	30	2,034	1,158	0.026	67.80	1.76	1.000	0.99996
1094	2	2.95	36	2,047	1,098	0.033	56.86	1.86	1.029	0.99996
1102	3	3.15	80	5,052	628	0.127	63.15	8.04	1.000	0.99981
1103	3	4.30	192	10,004	866	0.222	52.10	11.55	1.000	0.99973
1141	2	11.43	899	73,942	893	1.007	82.25	82.80	1.019	0.99808
1142	1	0.73	1	44	212	0.005	44.00	0.21	1.000	0.99999
1211	1	0.85	15	765	1,457	0.010	51.00	0.53	1.000	0.99999
1212	2	2.17	2	130	67	0.030	65.00	1.94	1.000	0.99996
1213	2	3.25	186	13,887	536	0.347	74.66	25.91	1.127	0.99940
1225	1	0.30	43	774	933	0.046	18.00	0.83	1.000	0.99998
1227	1	0.93	12	672	1,170	0.010	56.00	0.57	1.000	0.99999
1229	4	3.17	46	1,492	1,996	0.023	32.43	0.75	1.070	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
1230	4	6.01	1,217	108,226	1,144	1.064	88.93	94.60	1.074	0.99781
1232	4	5.45	51	3,931	1,158	0.044	77.08	3.39	1.020	0.99992
1233	1	0.85	1	51	638	0.002	51.00	0.08	1.000	0.99999
1241	3	2.41	25	1,228	823	0.030	49.12	1.49	1.042	0.99997
1242	3	2.49	24	1,535	670	0.036	63.96	2.29	1.000	0.99995
1243	6	12.71	79	10,605	1,222	0.065	134.24	8.68	1.197	0.99980
1265	1	1.93	57	6,612	1,301	0.044	116.00	5.08	1.000	0.99988
1271	2	7.82	2	469	900	0.002	234.50	0.52	1.000	0.99999
1273	1	3.30	27	5,346	862	0.031	198.00	6.20	1.000	0.99986
1284	1	1.03	31	1,922	860	0.036	62.00	2.23	1.000	0.99995
1286	1	1.58	42	3,990	40	1.050	95.00	99.75	1.000	0.99769
1311	5	16.37	358	97,039	258	1.388	271.06	376.12	3.476	0.99129
1312	11	38.16	1,033	57,314	904	1.143	55.48	63.40	1.153	0.99853
1451	2	1.83	87	4,728	512	0.170	54.34	9.23	1.000	0.99979
1452	1	5.92	1	355	442	0.002	355.00	0.80	1.000	0.99998
1453	3	2.18	16	612	1,760	0.009	38.25	0.35	1.067	0.99999
1454	1	1.07	178	11,392	898	0.198	64.00	12.69	1.000	0.99971
1521	3	4.98	19	2,109	691	0.027	111.00	3.05	1.056	0.99993
1522	4	14.50	10	1,434	96	0.104	143.40	14.94	1.429	0.99965
1523	2	4.25	5	729	691	0.007	145.80	1.05	1.250	0.99998
1841	2	2.00	70	5,118	1,305	0.054	73.11	3.92	1.000	0.99991
1842	3	4.39	28	2,564	262	0.107	91.57	9.79	1.077	0.99977

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1843	3	4.73	15	1,388	1,047	0.014	92.53	1.33	1.000	0.99997
2051	4	3.55	315	17,808	158	1.994	56.53	112.71	2.006	0.99739
2052	1	0.55	83	2,739	85	0.976	33.00	32.22	1.000	0.99925
2091	1	2.07	167	20,708	854	0.196	124.00	24.25	1.000	0.99944
2092	1	1.20	9	648	886	0.010	72.00	0.73	1.000	0.99998
2172	1	1.87	1	112	216	0.005	112.00	0.52	1.000	0.99999
2211	6	14.87	709	28,522	718	0.987	40.23	39.72	1.133	0.99908
2212	5	6.64	96	7,151	1,242	0.077	74.49	5.76	1.079	0.99987
2501	2	2.43	4	246	77	0.052	61.50	3.19	1.333	0.99993
2621	3	4.48	1,417	155,877	1,108	1.279	110.00	140.68	1.285	0.99674
2622	3	4.54	127	13,571	112	1.134	106.86	121.17	1.124	0.99720
2951	7	9.66	145	36,527	1,337	0.108	251.91	27.32	1.028	0.99937
2961	5	9.66	1,018	73,782	954	1.067	72.48	77.34	1.078	0.99821
2962	2	2.18	231	15,593	246	0.939	67.50	63.39	1.111	0.99853
3121	6	6.73	131	7,811	1,066	0.123	59.63	7.33	1.040	0.99983
3122	1	2.95	20	3,540	831	0.024	177.00	4.26	1.000	0.99990
3123	1	1.12	1	67	696	0.001	67.00	0.10	1.000	0.99999
3181	2	2.33	10	516	697	0.014	51.60	0.74	1.111	0.99998
3221	6	25.22	1,227	269,088	1,210	1.014	219.31	222.39	1.113	0.99485
3222	5	6.03	649	29,743	748	0.868	45.83	39.76	1.027	0.99908
3231	2	2.83	7	680	399	0.018	97.14	1.70	1.167	0.99996
3232	3	18.98	3	1,139	410	0.007	379.67	2.78	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
3302	3	3.27	41	3,103	749	0.055	75.68	4.14	1.025	0.99990
3304	4	2.98	109	5,455	958	0.114	50.05	5.69	1.019	0.99987
3311	1	0.68	174	7,134	716	0.243	41.00	9.96	1.000	0.99977
3313	1	0.32	1	19	920	0.001	19.00	0.02	1.000	0.99999
3314	2	3.68	225	13,958	221	1.018	62.04	63.16	1.077	0.99854
3315	2	1.25	9	271	1,435	0.006	30.11	0.19	1.000	0.99999
3421	4	12.06	4	724	665	0.006	181.00	1.09	1.000	0.99997
3422	1	1.23	1	74	952	0.001	74.00	0.08	1.000	0.99999
3471	1	3.23	25	4,850	158	0.158	194.00	30.70	1.000	0.99929
3472	7	10.76	244	14,323	1,514	0.161	58.70	9.46	1.047	0.99978
3551	3	1.82	13	889	998	0.013	68.38	0.89	1.000	0.99998
3552	1	1.50	82	7,380	570	0.144	90.00	12.95	1.000	0.99970
3553	3	2.52	11	783	1,008	0.011	71.18	0.78	1.000	0.99998
3592	8	10.05	145	10,439	1,672	0.087	71.99	6.24	1.014	0.99986
3593	1	0.83	23	1,150	928	0.025	50.00	1.24	1.000	0.99997
3621	4	4.63	1,542	50,114	1,538	1.003	32.50	32.58	1.009	0.99925
3661	7	9.11	343	23,164	1,084	0.316	67.53	21.37	1.103	0.99951
3662	5	6.48	55	3,563	1,094	0.050	64.78	3.26	1.774	0.99992
3671	3	1.81	207	7,521	1,092	0.190	36.33	6.89	1.045	0.99984
3675	2	3.60	13	711	413	0.031	54.69	1.72	1.083	0.99996
3691	4	11.40	23	2,426	1,352	0.017	105.48	1.79	1.353	0.99996
3692	1	2.88	1	173	402	0.002	173.00	0.43	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
3701	3	2.02	22	1,109	463	0.048	50.41	2.40	1.100	0.99994
3702	2	1.68	18	853	590	0.031	47.39	1.45	1.059	0.99997
3751	1	3.13	1	188	1,146	0.001	188.00	0.16	1.000	0.99999
3872	3	4.71	48	6,108	1,142	0.042	127.25	5.35	1.021	0.99988
3873	3	5.05	466	77,933	1,906	0.244	167.24	40.89	1.054	0.99905
3891	2	2.30	2	138	408	0.005	69.00	0.34	1.000	0.99999
3892	1	4.47	47	12,596	445	0.106	268.00	28.31	1.000	0.99934
3893	8	7.47	330	24,017	770	0.429	72.78	31.19	1.015	0.99928
3901	2	3.90	6	398	848	0.007	66.33	0.47	1.000	0.99999
3902	1	1.42	15	1,275	97	0.155	85.00	13.14	1.000	0.99970
3903	1	1.05	1	63	285	0.004	63.00	0.22	1.000	0.99999
3912	4	9.27	1,065	89,680	1,110	0.959	84.21	80.79	1.003	0.99813
3913	1	2.72	1	163	1,306	0.001	163.00	0.12	1.000	0.99999
3914	2	3.28	96	10,208	700	0.137	106.33	14.58	1.000	0.99966
3951	3	8.12	49	7,371	1,062	0.046	150.43	6.94	1.021	0.99984
3952	2	1.75	2	105	370	0.005	52.50	0.28	1.000	0.99999
3971	4	12.22	29	5,308	642	0.045	183.03	8.27	1.115	0.99981
3981	4	4.08	60	5,931	1,272	0.047	98.85	4.66	1.034	0.99989
3982	11	17.76	421	31,287	1,726	0.244	74.32	18.13	1.231	0.99958
3991	4	12.53	7	1,361	696	0.010	194.43	1.96	1.400	0.99995
403	1	2.13	1	128	258	0.004	128.00	0.50	1.000	0.99999
4031	4	5.45	18	1,403	636	0.028	77.94	2.21	1.059	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
4091	3	1.96	89	4,074	1,130	0.079	45.78	3.61	1.011	0.99992
4092	1	2.90	4	696	411	0.010	174.00	1.69	1.000	0.99996
4101	1	1.10	79	5,214	570	0.139	66.00	9.15	1.000	0.99979
4134	1	1.23	1	74	824	0.001	74.00	0.09	1.000	0.99999
4136	1	1.73	1	104	664	0.002	104.00	0.16	1.000	0.99999
4137	2	12.38	2	743	807	0.002	371.50	0.92	2.000	0.99998
4138	4	6.90	31	3,970	706	0.044	128.06	5.62	1.069	0.99987
4141	2	6.43	43	12,194	80	0.538	283.58	152.43	1.024	0.99647
4142	3	8.18	46	7,243	570	0.081	157.46	12.71	1.000	0.99971
4151	6	7.72	1,747	145,615	1,232	1.418	83.35	118.19	4.282	0.99726
4152	3	3.58	45	3,113	745	0.060	69.18	4.18	1.047	0.99990
4153	1	7.53	33	14,916	1,196	0.028	452.00	12.47	1.000	0.99971
4154	5	31.81	2,198	586,510	1,069	2.056	266.84	548.65	2.052	0.98730
4155	8	24.51	5,395	535,810	2,017	2.675	99.32	265.65	2.699	0.99385
4171	5	9.61	276	41,758	1,115	0.248	151.30	37.45	1.007	0.99913
4172	9	14.11	192	26,610	1,635	0.117	138.59	16.28	1.021	0.99962
4173	1	4.33	42	10,920	603	0.070	260.00	18.11	1.000	0.99958
4182	1	5.50	1	330	983	0.001	330.00	0.34	1.000	0.99999
4211	4	7.27	186	17,318	1,265	0.147	93.11	13.69	1.000	0.99968
4212	7	7.18	888	80,897	786	1.130	91.10	102.92	1.137	0.99762
4221	3	3.94	398	34,369	476	0.836	86.35	72.20	1.026	0.99833
4222	5	7.37	143	16,673	1,594	0.090	116.59	10.46	1.075	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4223	3	2.47	619	26,559	1,004	0.617	42.91	26.45	1.144	0.99939
4301	1	0.62	1	37	598	0.002	37.00	0.06	1.000	0.99999
4302	1	5.15	73	22,557	641	0.114	309.00	35.19	1.000	0.99919
4303	4	7.64	831	125,829	832	0.999	151.42	151.24	2.638	0.99650
4311	2	3.87	50	2,392	895	0.056	47.84	2.67	1.020	0.99994
4312	1	1.40	1	84	972	0.001	84.00	0.09	1.000	0.99999
4313	1	0.20	1	12	524	0.002	12.00	0.02	1.000	0.99999
4324	13	10.87	71	2,450	1,056	0.067	34.51	2.32	1.183	0.99995
4341	18	37.70	2,088	170,837	1,942	1.075	81.82	87.97	1.129	0.99796
4342	7	14.96	3,449	300,679	1,688	2.043	87.18	178.13	2.055	0.99588
4343	3	3.28	855	65,522	766	1.116	76.63	85.54	1.116	0.99802
4361	1	0.83	1	50	1,901	0.001	50.00	0.03	1.000	0.99999
4363	1	1.17	7	490	652	0.011	70.00	0.75	1.000	0.99998
4371	8	9.00	136	7,462	2,227	0.061	54.87	3.35	1.015	0.99992
4372	5	6.69	37	2,307	358	0.103	62.35	6.44	1.156	0.99985
4385	2	3.79	118	19,297	1,098	0.107	163.53	17.57	1.000	0.99959
4386	2	2.20	11	762	1,638	0.007	69.27	0.47	1.000	0.99999
4431	11	39.82	98	17,747	1,318	0.074	181.09	13.47	1.065	0.99969
4432	4	6.97	11	817	424	0.026	74.27	1.93	1.000	0.99996
4511	1	1.08	16	1,040	1,112	0.014	65.00	0.94	1.000	0.99998
4601	1	0.23	57	798	57	1.000	14.00	14.00	1.000	0.99968
4602	7	10.26	1,897	109,100	935	2.029	57.51	116.68	2.080	0.99730

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	1	0.82	13	637	84	0.155	49.00	7.58	1.000	0.99982
5602	2	4.45	29	3,357	490	0.059	115.76	6.85	1.000	0.99984
5603	3	3.82	138	10,861	1,230	0.112	78.70	8.83	1.000	0.99980
6021	1	0.52	18	558	660	0.027	31.00	0.85	1.000	0.99998
6022	1	1.05	405	25,515	374	1.083	63.00	68.22	1.000	0.99842
6141	1	1.43	4	344	616	0.006	86.00	0.56	1.000	0.99999
6142	2	7.41	76	16,910	292	0.260	222.50	57.91	1.000	0.99866
6143	1	1.48	39	3,471	369	0.106	89.00	9.41	1.000	0.99978
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	506	937.30	40,963	4,107,753	158,217	0.259	100.28	25.96	1.353	0.99940

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2010 to 7/31/2010
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	1.92	63	4,060	1,342	0.047	64.44	3.03	1.000	0.99993
1051	1	1.17	1	70	1,049	0.001	70.00	0.07	1.000	0.99999
1082	8	11.56	75	5,680	1,313	0.057	75.73	4.33	1.000	0.99990
1091	7	6.21	27	992	1,605	0.017	36.74	0.62	1.000	0.99999
1092	5	4.07	26	1,315	1,158	0.022	50.58	1.14	1.083	0.99997
1093	1	1.47	1	88	215	0.005	88.00	0.41	1.000	0.99999
1094	3	4.08	39	3,125	1,100	0.035	80.13	2.84	1.000	0.99994
1103	2	2.09	2	125	866	0.002	62.50	0.14	1.000	0.99999
1141	12	18.41	2,023	168,932	893	2.265	83.51	189.17	2.294	0.99576
1211	2	3.33	15	1,006	1,457	0.010	67.07	0.69	1.000	0.99998
1213	1	2.52	1	151	537	0.002	151.00	0.28	1.000	0.99999
1225	6	1.33	384	5,883	933	0.412	15.32	6.31	1.000	0.99986
1226	2	0.97	293	3,348	343	0.854	11.43	9.76	1.039	0.99978
1227	2	2.65	113	9,483	1,170	0.097	83.92	8.11	1.009	0.99982
1228	3	2.43	597	8,214	493	1.211	13.76	16.66	1.236	0.99963
1229	4	3.51	79	5,036	1,996	0.040	63.75	2.52	1.000	0.99994
1230	1	0.40	1	24	1,142	0.001	24.00	0.02	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
1232	1	1.72	1	103	1,159	0.001	103.00	0.09	1.000	0.99999
1241	4	4.56	899	55,707	824	1.091	61.97	67.61	1.072	0.99849
1242	2	2.63	7	848	670	0.010	121.14	1.27	1.000	0.99997
1243	4	4.49	15	797	1,168	0.013	53.13	0.68	1.000	0.99998
1263	1	0.57	81	2,754	1,309	0.062	34.00	2.10	1.000	0.99995
1265	1	0.67	12	480	1,304	0.009	40.00	0.37	1.000	0.99999
1271	1	0.57	1	34	901	0.001	34.00	0.04	1.000	0.99999
1273	3	3.00	102	3,485	863	0.118	34.17	4.04	1.030	0.99991
1282	2	4.45	2	267	914	0.002	133.50	0.29	1.000	0.99999
1284	2	5.35	853	170,521	860	0.992	199.91	198.28	1.001	0.99556
1285	4	12.14	454	68,554	1,059	0.429	151.00	64.73	1.376	0.99855
1312	2	3.65	2	219	904	0.002	109.50	0.24	1.000	0.99999
1451	3	3.14	38	2,351	512	0.074	61.87	4.59	1.000	0.99990
1452	1	3.65	3	657	442	0.007	219.00	1.49	1.000	0.99997
1453	2	46.88	6	2,933	1,762	0.003	488.83	1.66	1.200	0.99996
1454	1	2.45	1	147	899	0.001	147.00	0.16	1.000	0.99999
1455	1	1.52	32	2,912	525	0.061	91.00	5.55	1.000	0.99988
1521	1	2.07	1	124	691	0.001	124.00	0.18	1.000	0.99999
1523	4	9.15	9	934	691	0.013	103.78	1.35	1.000	0.99997
1841	4	8.17	1,547	184,999	1,307	1.184	119.59	141.54	1.183	0.99683
1842	9	83.36	102	15,004	263	0.388	147.10	57.05	1.030	0.99872
1843	2	3.33	22	3,200	1,047	0.021	145.45	3.06	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
2051	1	1.30	1	78	158	0.006	78.00	0.49	1.000	0.99999
2091	2	5.00	19	1,515	855	0.022	79.74	1.77	1.000	0.99996
2092	1	3.20	1	192	886	0.001	192.00	0.22	1.000	0.99999
2172	1	2.98	1	179	216	0.005	179.00	0.83	1.000	0.99998
2211	2	7.83	21	3,076	718	0.029	146.48	4.28	1.000	0.99990
2212	7	10.20	1,356	185,408	1,244	1.090	136.73	149.04	1.131	0.99666
2511	1	3.75	1	225	606	0.002	225.00	0.37	1.000	0.99999
2621	4	7.99	55	5,963	1,109	0.050	108.42	5.38	1.618	0.99988
2951	1	0.70	1,308	54,936	1,338	0.978	42.00	41.06	1.000	0.99908
2961	1	2.65	125	19,875	958	0.130	159.00	20.75	1.000	0.99954
3081	2	1.65	2	99	561	0.004	49.50	0.18	1.000	0.99999
3082	1	0.85	8	408	319	0.025	51.00	1.28	1.000	0.99997
3121	4	8.22	63	6,103	1,067	0.059	96.87	5.72	1.000	0.99987
3122	1	1.05	1	63	831	0.001	63.00	0.08	1.000	0.99999
3181	1	0.60	706	25,416	697	1.013	36.00	36.46	1.000	0.99918
3221	1	1.97	3	354	1,211	0.002	118.00	0.29	1.000	0.99999
3222	1	1.13	1	68	749	0.001	68.00	0.09	1.000	0.99999
3231	2	2.27	399	35,072	400	0.998	87.90	87.68	1.003	0.99804
3232	1	2.77	426	70,716	411	1.036	166.00	172.06	1.000	0.99615
3304	9	17.96	1,284	236,782	958	1.340	184.41	247.16	1.235	0.99446
3311	2	2.76	21	1,719	733	0.029	81.86	2.35	1.000	0.99995
3314	1	2.50	1	150	221	0.005	150.00	0.68	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
3315	4	20.23	1,140	469,620	1,509	0.755	411.95	311.21	6.162	0.99303
3421	2	1.65	656	38,031	665	0.986	57.97	57.19	1.002	0.99872
3471	2	2.72	26	2,539	158	0.165	97.65	16.07	1.000	0.99964
3472	8	10.79	231	11,086	1,514	0.153	47.99	7.32	1.045	0.99984
3551	3	4.59	15	1,931	998	0.015	128.73	1.93	1.000	0.99996
3552	1	0.98	7	413	569	0.012	59.00	0.73	1.000	0.99998
3591	2	6.05	44	6,676	1,098	0.040	151.73	6.08	1.000	0.99986
3592	2	2.88	5	506	1,674	0.003	101.20	0.30	1.000	0.99999
3593	5	5.94	132	15,071	928	0.142	114.17	16.24	1.179	0.99964
3594	1	1.07	18	1,152	607	0.030	64.00	1.90	1.000	0.99996
3621	5	9.47	232	52,685	1,538	0.151	227.09	34.26	1.018	0.99923
3662	3	5.66	29	2,667	1,097	0.026	91.97	2.43	1.000	0.99995
3663	1	0.63	1	38	285	0.004	38.00	0.13	1.000	0.99999
3671	2	1.23	128	5,144	1,093	0.117	40.19	4.71	1.000	0.99989
3673	1	0.85	253	12,903	259	0.977	51.00	49.82	1.000	0.99888
3675	2	2.17	436	24,220	413	1.056	55.55	58.64	1.028	0.99869
3691	2	3.10	48	2,302	1,358	0.035	47.96	1.70	1.000	0.99996
3694	5	6.38	75	4,911	1,217	0.062	65.48	4.04	1.000	0.99991
3701	1	0.82	486	23,814	464	1.047	49.00	51.32	1.000	0.99885
3702	2	1.98	2	119	591	0.003	59.50	0.20	1.000	0.99999
3751	2	6.27	415	101,148	1,147	0.362	243.73	88.18	1.002	0.99802
3871	8	12.27	54	5,650	1,359	0.040	104.63	4.16	1.019	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
3872	6	9.51	122	7,967	1,143	0.107	65.30	6.97	2.346	0.99984
3873	7	6.03	179	10,262	1,906	0.094	57.33	5.38	1.455	0.99988
3891	1	1.45	9	783	408	0.022	87.00	1.92	1.000	0.99996
3893	7	9.78	1,166	56,072	770	1.514	48.09	72.82	1.540	0.99837
3901	4	8.43	853	77,228	849	1.005	90.54	90.96	1.019	0.99796
3902	1	1.40	95	7,980	97	0.979	84.00	82.27	1.000	0.99816
3903	2	2.91	288	25,611	285	1.011	88.93	89.86	1.025	0.99799
3912	2	6.30	39	8,999	1,111	0.035	230.74	8.10	1.000	0.99982
3913	5	12.29	2,148	212,721	1,307	1.643	99.03	162.76	1.660	0.99635
3914	4	13.41	723	78,413	701	1.031	108.46	111.86	1.073	0.99749
3951	5	8.77	171	15,532	1,062	0.161	90.83	14.63	1.012	0.99967
3952	1	1.65	1	99	370	0.003	99.00	0.27	1.000	0.99999
3971	3	7.56	36	3,708	643	0.056	103.00	5.77	1.000	0.99987
3982	5	14.48	168	29,803	1,726	0.097	177.40	17.27	1.050	0.99961
3991	7	15.66	41	5,687	697	0.059	138.71	8.16	1.000	0.99982
407	1	0.38	1	23	98	0.010	23.00	0.23	1.000	0.99999
4091	7	12.31	46	4,307	1,130	0.041	93.63	3.81	1.643	0.99991
4092	2	1.76	13	797	411	0.032	61.31	1.94	1.083	0.99996
4101	2	5.57	59	12,874	572	0.103	218.20	22.51	1.017	0.99950
4102	5	13.04	914	66,199	850	1.075	72.43	77.88	1.100	0.99826
4131	1	1.15	165	11,385	184	0.897	69.00	61.88	1.000	0.99861
4132	1	1.25	461	34,575	564	0.817	75.00	61.30	1.000	0.99863

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4134	2	0.28	71	630	826	0.086	8.87	0.76	1.000	0.99998
4136	1	0.88	1	53	665	0.002	53.00	0.08	1.000	0.99999
4137	3	2.58	670	48,862	808	0.829	72.93	60.47	1.028	0.99865
4138	3	6.68	61	7,702	704	0.087	126.26	10.94	1.000	0.99975
4142	3	5.78	29	3,363	570	0.051	115.97	5.90	1.036	0.99987
4151	2	5.77	466	114,314	1,232	0.378	245.31	92.79	1.000	0.99792
4152	2	3.07	44	3,964	746	0.059	90.09	5.31	1.023	0.99988
4153	2	3.80	15	774	1,199	0.013	51.60	0.65	1.000	0.99999
4154	1	3.60	1,073	231,768	1,070	1.003	216.00	216.61	1.000	0.99515
4155	1	1.98	1	119	2,018	0.000	119.00	0.06	1.000	0.99999
4171	6	4.56	67	3,592	1,115	0.060	53.61	3.22	1.015	0.99993
4172	5	5.57	211	16,090	1,638	0.129	76.26	9.82	1.361	0.99978
4173	1	0.72	1	43	603	0.002	43.00	0.07	1.000	0.99999
4181	1	1.65	1	99	467	0.002	99.00	0.21	1.000	0.99999
4211	3	2.85	48	2,691	1,266	0.038	56.06	2.13	1.000	0.99995
4212	3	7.44	44	9,205	787	0.056	209.20	11.70	1.023	0.99974
4221	1	2.07	11	1,364	475	0.023	124.00	2.87	1.000	0.99994
4222	7	6.77	88	6,124	1,595	0.055	69.59	3.84	1.000	0.99991
4223	5	5.40	460	39,544	1,004	0.458	85.97	39.39	1.303	0.99912
4224	2	3.66	729	113,508	676	1.078	155.70	167.91	1.083	0.99624
4302	1	0.93	7	392	641	0.011	56.00	0.61	1.000	0.99999
4303	2	6.03	2	362	835	0.002	181.00	0.43	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	3.42	8	820	896	0.009	102.50	0.92	2.000	0.99998
4313	1	1.17	1	70	530	0.002	70.00	0.13	1.000	0.99999
4324	2	4.44	60	6,066	1,058	0.057	101.10	5.73	1.000	0.99987
4342	6	9.50	96	8,229	1,688	0.057	85.72	4.88	1.000	0.99989
4361	4	7.02	85	8,442	1,901	0.045	99.32	4.44	1.000	0.99990
4362	3	3.24	65	2,698	801	0.081	41.51	3.37	1.000	0.99992
4363	5	3.68	191	4,690	652	0.293	24.55	7.19	1.005	0.99984
4371	7	14.02	112	9,961	2,227	0.050	88.94	4.47	1.047	0.99990
4372	4	4.66	122	8,001	414	0.295	65.58	19.33	1.768	0.99957
4386	2	4.71	16	2,264	1,641	0.010	141.50	1.38	2.000	0.99997
4431	6	8.05	67	4,072	1,319	0.051	60.78	3.09	1.000	0.99993
4432	3	5.34	83	6,376	425	0.195	76.82	15.00	1.012	0.99966
4511	4	4.63	1,107	53,822	1,112	0.996	48.62	48.40	1.010	0.99892
4512	1	0.80	679	32,592	846	0.803	48.00	38.52	1.000	0.99914
4513	1	0.78	567	26,649	572	0.991	47.00	46.59	1.000	0.99896
5602	1	4.15	1	249	491	0.002	249.00	0.51	1.000	0.99999
6141	2	4.62	12	2,507	616	0.019	208.92	4.07	1.091	0.99991
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	418	794.09	33,236	3,618,681	158,465	0.210	108.88	22.84	1.143	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2010 to 8/31/2010
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	1	2.72	6	978	1,343	0.004	163.00	0.73	1.000	0.99998
1051	10	34.97	1,085	177,198	1,049	1.034	163.32	168.92	1.046	0.99622
1081	2	2.00	2	120	18	0.111	60.00	6.67	2.000	0.99985
1082	6	9.08	153	11,851	1,290	0.119	77.46	9.19	1.048	0.99979
1091	6	13.41	150	17,653	1,605	0.093	117.69	11.00	1.056	0.99975
1092	5	5.38	52	2,966	1,158	0.045	57.04	2.56	1.000	0.99994
1093	2	2.02	51	3,166	216	0.236	62.08	14.66	1.000	0.99967
1094	3	4.47	129	11,356	1,102	0.117	88.03	10.30	1.000	0.99977
1102	1	3.08	1	185	630	0.002	185.00	0.29	1.000	0.99999
1103	1	4.02	96	23,136	866	0.111	241.00	26.72	1.000	0.99940
1211	5	11.45	20	3,524	1,457	0.014	176.20	2.42	1.000	0.99995
1213	3	9.00	170	23,211	538	0.316	136.54	43.14	1.030	0.99903
1225	1	1.00	1	60	933	0.001	60.00	0.06	1.000	0.99999
1226	5	8.96	24	2,986	344	0.070	124.42	8.68	1.043	0.99981
1227	3	9.85	68	22,439	1,170	0.058	329.99	19.18	1.000	0.99957
1228	1	2.08	10	1,250	495	0.020	125.00	2.53	1.000	0.99994
1229	8	19.80	2,251	356,045	1,996	1.128	158.17	178.38	1.136	0.99600

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1230	2	2.54	2	152	1,144	0.002	76.00	0.13	1.000	0.99999
1232	4	14.44	308	99,990	1,159	0.266	324.64	86.27	1.041	0.99807
1233	1	1.73	13	1,352	638	0.020	104.00	2.12	1.000	0.99995
1241	1	0.87	1	52	824	0.001	52.00	0.06	1.000	0.99999
1243	1	3.05	21	3,843	1,170	0.018	183.00	3.28	1.000	0.99993
1261	2	2.00	395	16,626	382	1.034	42.09	43.52	1.003	0.99903
1263	11	20.17	282	22,137	1,309	0.215	78.50	16.91	1.041	0.99962
1265	4	9.17	161	14,517	1,306	0.123	90.17	11.12	1.000	0.99975
1273	5	9.41	26	3,345	863	0.030	128.65	3.88	1.000	0.99991
1282	2	4.30	2	258	912	0.002	129.00	0.28	1.000	0.99999
1283	2	0.53	2	32	347	0.006	16.00	0.09	1.000	0.99999
1284	1	4.18	852	213,852	860	0.991	251.00	248.67	1.000	0.99443
1453	2	1.08	201	6,935	1,762	0.114	34.50	3.94	1.000	0.99991
1454	3	2.38	155	3,791	901	0.172	24.46	4.21	1.006	0.99991
1455	2	9.00	32	9,360	526	0.061	292.50	17.79	1.000	0.99960
1841	1	1.23	14	1,036	1,308	0.011	74.00	0.79	1.000	0.99998
1843	2	5.30	19	4,466	1,050	0.018	235.05	4.25	1.000	0.99990
2051	1	1.22	1	73	158	0.006	73.00	0.46	1.000	0.99999
2091	1	1.65	1	99	856	0.001	99.00	0.12	1.000	0.99999
2171	2	1.30	21	914	541	0.039	43.52	1.69	1.050	0.99996
2211	4	5.27	76	6,458	718	0.106	84.97	8.99	1.041	0.99980
2212	1	1.00	16	960	1,245	0.013	60.00	0.77	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
2621	3	4.55	32	3,080	1,110	0.029	96.25	2.77	1.000	0.99994
2622	1	1.70	1	102	112	0.009	102.00	0.91	1.000	0.99998
2951	4	5.95	60	3,789	1,340	0.045	63.15	2.83	1.017	0.99994
2962	1	5.40	23	7,452	248	0.093	324.00	30.05	1.000	0.99933
3041	1	2.48	76	11,324	76	1.000	149.00	149.00	1.000	0.99666
3121	5	16.25	93	5,662	1,068	0.087	60.88	5.30	1.348	0.99988
3122	1	7.93	16	7,616	832	0.019	476.00	9.15	1.000	0.99979
3123	2	1.18	19	677	694	0.027	35.63	0.98	1.000	0.99998
3181	2	3.00	2	180	698	0.003	90.00	0.26	1.000	0.99999
3222	2	3.17	2	190	749	0.003	95.00	0.25	1.000	0.99999
3231	2	1.38	24	996	402	0.060	41.50	2.48	1.000	0.99994
3232	7	14.75	27	3,525	412	0.066	130.56	8.56	1.000	0.99981
3304	7	9.76	184	15,032	958	0.192	81.70	15.69	1.122	0.99965
3311	1	1.17	1	70	736	0.001	70.00	0.10	1.000	0.99999
3315	2	2.80	1,108	37,772	1,537	0.721	34.09	24.58	1.001	0.99945
3422	2	2.54	2	152	952	0.002	76.00	0.16	1.000	0.99999
3471	1	4.95	1	297	158	0.006	297.00	1.88	1.000	0.99996
3472	5	15.40	72	9,505	1,518	0.047	132.01	6.26	1.075	0.99986
3551	2	3.16	14	1,762	999	0.014	125.86	1.76	1.077	0.99996
3552	2	2.11	31	2,051	569	0.054	66.16	3.60	1.000	0.99992
3553	3	5.99	214	30,435	1,008	0.212	142.22	30.19	1.005	0.99932
3591	1	0.42	15	375	1,098	0.014	25.00	0.34	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
3593	2	3.65	63	7,761	928	0.068	123.19	8.36	1.000	0.99981
3621	2	4.65	194	24,279	1,542	0.126	125.15	15.75	1.005	0.99965
3661	1	3.75	17	3,825	1,083	0.016	225.00	3.53	1.000	0.99992
3662	4	5.52	108	7,725	1,098	0.098	71.53	7.04	1.000	0.99984
3663	3	10.85	3	651	285	0.011	217.00	2.28	1.500	0.99995
3671	1	0.73	7	308	1,094	0.006	44.00	0.28	1.000	0.99999
3691	4	19.31	8	2,935	1,360	0.006	366.88	2.16	1.000	0.99995
3692	3	8.78	456	104,590	402	1.134	229.36	260.17	1.146	0.99417
3693	3	8.76	215	39,809	184	1.168	185.16	216.35	1.303	0.99515
3694	3	6.70	1,151	199,590	1,224	0.940	173.41	163.06	1.605	0.99635
3701	3	2.61	22	973	465	0.047	44.23	2.09	1.000	0.99995
3702	2	6.10	2	366	591	0.003	183.00	0.62	1.000	0.99999
3751	4	3.78	1,185	14,942	1,144	1.036	12.61	13.06	1.035	0.99971
3871	1	3.30	8	1,584	1,360	0.006	198.00	1.16	1.000	0.99997
3872	4	8.51	5	720	1,143	0.004	144.00	0.63	1.250	0.99999
3891	2	4.60	2	276	408	0.005	138.00	0.68	1.000	0.99998
3892	1	2.10	1	126	447	0.002	126.00	0.28	1.000	0.99999
3901	1	1.48	1	89	848	0.001	89.00	0.10	1.000	0.99999
3902	1	2.73	1	164	97	0.010	164.00	1.69	1.000	0.99996
3913	2	7.55	16	4,485	1,308	0.012	280.31	3.43	1.000	0.99992
3914	2	3.28	2	197	702	0.003	98.50	0.28	1.000	0.99999
3951	4	6.12	28	2,479	1,064	0.026	88.54	2.33	1.037	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
3952	1	0.82	1	49	370	0.003	49.00	0.13	1.000	0.99999
3971	2	8.20	564	87,602	644	0.876	155.32	136.03	1.002	0.99695
3981	3	4.15	3	249	1,274	0.002	83.00	0.20	1.000	0.99999
3982	4	7.20	182	16,446	1,728	0.105	90.36	9.52	1.011	0.99979
3991	2	3.81	681	50,475	699	0.974	74.12	72.21	1.001	0.99838
3992	5	4.49	5	269	161	0.031	53.80	1.67	1.000	0.99996
4091	1	0.85	33	1,683	1,130	0.029	51.00	1.49	1.000	0.99997
4092	3	1.40	5	128	412	0.012	25.60	0.31	1.667	0.99999
4101	2	1.77	2	106	572	0.003	53.00	0.19	1.000	0.99999
4102	2	2.55	44	2,321	857	0.051	52.75	2.71	1.000	0.99994
4134	6	8.02	694	45,040	826	0.840	64.90	54.53	1.242	0.99878
4135	1	0.53	1	32	62	0.016	32.00	0.52	1.000	0.99999
4137	2	1.65	11	225	808	0.014	20.45	0.28	1.000	0.99999
4138	3	3.62	31	2,087	704	0.044	67.32	2.96	1.000	0.99993
4141	1	2.38	42	6,006	80	0.525	143.00	75.08	1.000	0.99832
4142	3	16.52	17	12,667	571	0.030	745.12	22.18	1.133	0.99950
4151	2	2.65	62	5,458	1,232	0.050	88.03	4.43	1.000	0.99990
4154	3	5.05	34	3,899	1,073	0.032	114.68	3.63	1.030	0.99992
4171	7	12.95	115	17,425	1,118	0.103	151.52	15.59	1.009	0.99965
4172	3	7.63	357	39,132	1,639	0.218	109.61	23.88	1.017	0.99947
4182	1	2.35	4	564	984	0.004	141.00	0.57	1.000	0.99999
4211	16	31.51	230	28,629	1,270	0.181	124.47	22.54	1.000	0.99950

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4212	1	1.12	5	335	788	0.006	67.00	0.43	1.000	0.99999
4221	1	3.50	42	8,820	476	0.088	210.00	18.53	1.000	0.99958
4222	1	1.40	17	1,428	1,596	0.011	84.00	0.89	1.000	0.99998
4301	3	13.85	117	45,804	598	0.196	391.49	76.60	1.232	0.99828
4302	5	13.81	92	21,279	641	0.144	231.29	33.20	1.034	0.99926
4303	2	1.89	11	629	836	0.013	57.18	0.75	1.000	0.99998
4311	4	0.70	1,069	12,505	897	1.192	11.70	13.94	1.000	0.99969
4313	1	0.88	4	212	530	0.008	53.00	0.40	1.000	0.99999
4324	4	4.81	4	289	1,058	0.004	72.25	0.27	2.000	0.99999
4341	4	9.61	20	1,480	1,942	0.010	74.00	0.76	1.000	0.99998
4342	4	2.86	47	2,109	1,686	0.028	44.87	1.25	1.000	0.99997
4361	2	3.55	101	9,915	1,902	0.053	98.17	5.21	1.010	0.99988
4363	1	0.47	91	2,548	653	0.139	28.00	3.90	1.000	0.99991
4371	7	15.38	50	5,564	2,232	0.022	111.28	2.49	1.087	0.99994
4431	3	3.29	934	15,048	1,320	0.708	16.11	11.40	1.051	0.99974
4432	1	2.92	57	9,975	426	0.134	175.00	23.42	1.000	0.99948
4511	1	1.05	12	756	1,112	0.011	63.00	0.68	1.000	0.99998
4512	3	4.79	37	5,491	850	0.044	148.41	6.46	1.000	0.99986
455	1	5.12	1	307	113	0.009	307.00	2.72	1.000	0.99994
4602	4	8.10	71	8,385	936	0.076	118.10	8.96	1.060	0.99980
5602	1	0.58	1	35	491	0.002	35.00	0.07	1.000	0.99999
5603	2	6.66	8	1,132	1,230	0.007	141.50	0.92	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
6141	3	6.93	266	28,031	617	0.431	105.38	45.43	1.004	0.99898
6142	3	4.94	3	296	292	0.010	98.67	1.01	1.000	0.99998
6143	1	1.85	1	111	369	0.003	111.00	0.30	1.000	0.99999
6144	1	5.15	1	309	314	0.003	309.00	0.98	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	365	741.32	18,562	2,131,575	158,134	0.117	114.84	13.48	1.059	0.99970

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
9/1/2010 to 9/30/2010
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	6.63	5	398	1,344	0.004	79.60	0.30	1.000	0.99999
1051	2	1.64	209	9,620	1,049	0.199	46.03	9.17	1.005	0.99979
1082	6	9.01	36	3,353	1,267	0.028	93.14	2.65	1.000	0.99994
1091	4	5.34	1,703	76,526	1,605	1.061	44.94	47.68	1.109	0.99890
1092	6	10.00	644	56,012	1,159	0.556	86.98	48.33	1.014	0.99888
1093	1	3.35	1	201	216	0.005	201.00	0.93	1.000	0.99998
1094	2	2.01	100	6,197	1,105	0.090	61.97	5.61	1.000	0.99987
1103	2	1.53	192	8,832	866	0.222	46.00	10.20	1.011	0.99976
1141	2	6.60	883	306,103	893	0.989	346.66	342.78	1.001	0.99207
1142	1	1.42	12	1,020	213	0.056	85.00	4.79	1.000	0.99989
1213	2	3.64	166	9,730	538	0.309	58.61	18.09	1.006	0.99958
1225	2	2.94	70	8,812	933	0.075	125.89	9.44	1.014	0.99978
1227	2	3.60	175	5,925	1,170	0.150	33.86	5.06	1.000	0.99988
1228	2	3.36	114	9,498	497	0.229	83.32	19.11	1.000	0.99956
1229	7	9.87	197	16,842	1,996	0.099	85.49	8.44	1.000	0.99980
1230	2	2.05	46	2,835	1,145	0.040	61.63	2.48	1.000	0.99994
1232	3	3.10	59	4,362	1,159	0.051	73.93	3.76	1.017	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
1233	1	0.48	1	29	638	0.002	29.00	0.05	1.000	0.99999
1242	1	2.78	1	167	670	0.001	167.00	0.25	1.000	0.99999
1262	2	2.88	2	173	208	0.010	86.50	0.83	1.000	0.99998
1263	2	1.25	82	3,029	1,309	0.063	36.94	2.31	1.000	0.99995
1264	1	1.37	1	82	42	0.024	82.00	1.95	1.000	0.99995
1271	9	17.76	1,213	81,706	902	1.345	67.36	90.58	1.483	0.99790
1282	1	1.37	75	6,150	911	0.082	82.00	6.75	1.000	0.99984
1284	1	0.63	1	38	861	0.001	38.00	0.04	1.000	0.99999
1285	1	1.65	54	5,346	1,059	0.051	99.00	5.05	1.000	0.99988
1311	2	5.50	107	19,230	259	0.413	179.72	74.25	1.009	0.99828
1312	1	2.48	19	2,831	905	0.021	149.00	3.13	1.000	0.99993
1451	1	15.92	1	955	512	0.002	955.00	1.87	1.000	0.99996
1453	1	0.28	1	17	1,762	0.001	17.00	0.01	1.000	0.99999
1454	1	3.50	1	210	903	0.001	210.00	0.23	1.000	0.99999
1455	1	1.63	1	98	526	0.002	98.00	0.19	1.000	0.99999
1521	3	5.60	3	336	693	0.004	112.00	0.48	1.000	0.99999
1523	1	1.65	49	4,851	694	0.071	99.00	6.99	1.000	0.99984
1841	1	0.50	4	120	1,309	0.003	30.00	0.09	1.000	0.99999
1842	4	11.69	4	701	263	0.015	175.25	2.67	1.000	0.99994
1843	5	8.50	144	12,501	1,054	0.137	86.81	11.86	1.091	0.99973
2051	3	5.35	17	1,693	158	0.108	99.59	10.72	1.000	0.99975
2091	1	1.88	1	113	858	0.001	113.00	0.13	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	8.05	6	2,079	888	0.007	346.50	2.34	1.000	0.99995
2171	2	3.11	66	4,539	543	0.122	68.77	8.36	1.015	0.99981
2172	1	1.68	23	2,323	216	0.106	101.00	10.75	1.000	0.99975
2211	1	1.33	1	80	718	0.001	80.00	0.11	1.000	0.99999
2212	4	9.50	19	2,340	1,246	0.015	123.16	1.88	1.000	0.99996
2511	1	1.30	1	78	606	0.002	78.00	0.13	1.000	0.99999
2621	4	11.48	4	689	1,110	0.004	172.25	0.62	1.000	0.99999
2622	1	8.22	12	5,916	113	0.106	493.00	52.35	1.000	0.99879
2961	6	12.87	316	39,328	960	0.329	124.46	40.97	1.133	0.99905
3121	2	4.52	25	2,203	1,068	0.023	88.12	2.06	1.042	0.99995
3122	3	4.39	137	12,078	833	0.164	88.16	14.50	1.000	0.99966
3123	3	4.38	25	971	694	0.036	38.84	1.40	1.000	0.99997
3221	8	16.90	63	4,731	1,213	0.052	75.10	3.90	1.033	0.99991
3222	1	0.83	620	31,000	749	0.828	50.00	41.39	1.000	0.99904
3231	2	2.12	24	1,524	403	0.060	63.50	3.78	1.000	0.99991
3232	1	1.78	4	428	412	0.010	107.00	1.04	1.000	0.99998
3302	1	0.93	20	1,120	768	0.026	56.00	1.46	1.000	0.99997
3304	8	13.04	167	19,032	959	0.174	113.96	19.85	1.369	0.99954
3311	2	1.84	23	1,265	738	0.031	55.00	1.71	1.045	0.99996
3313	2	2.01	164	9,922	922	0.178	60.50	10.76	1.864	0.99975
3315	1	1.67	1	100	1,565	0.001	100.00	0.06	1.000	0.99999
3422	2	4.59	181	42,340	953	0.190	233.92	44.43	1.000	0.99897

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3472	5	11.42	46	4,884	1,522	0.030	106.17	3.21	1.000	0.99993
3551	1	2.13	1	128	1,000	0.001	128.00	0.13	1.000	0.99999
3552	1	1.60	1	96	569	0.002	96.00	0.17	1.000	0.99999
3553	2	2.86	2	172	1,009	0.002	86.00	0.17	1.000	0.99999
3591	1	1.93	19	2,204	1,099	0.017	116.00	2.01	1.000	0.99995
3593	1	1.92	39	4,485	928	0.042	115.00	4.83	1.000	0.99989
3594	2	1.63	197	9,492	612	0.322	48.18	15.51	1.000	0.99964
3621	5	18.40	33	9,633	1,545	0.021	291.91	6.23	1.031	0.99986
3661	6	11.06	183	26,530	1,083	0.169	144.97	24.50	1.052	0.99943
3662	1	1.63	5	490	1,100	0.005	98.00	0.45	1.000	0.99999
3663	2	3.05	2	183	285	0.007	91.50	0.64	1.000	0.99999
3672	1	1.10	36	2,376	131	0.275	66.00	18.14	1.000	0.99958
3691	2	3.70	2,160	239,760	1,363	1.585	111.00	175.91	2.000	0.99593
3692	1	3.77	399	90,174	402	0.993	226.00	224.31	1.000	0.99481
3693	1	1.58	21	1,995	185	0.114	95.00	10.78	1.000	0.99975
3701	2	1.25	21	835	466	0.045	39.76	1.79	1.050	0.99996
3702	2	2.50	649	36,990	591	1.098	57.00	62.59	1.027	0.99855
3751	6	13.14	45	3,412	1,142	0.039	75.82	2.99	1.000	0.99993
3871	3	9.25	22	4,782	1,361	0.016	217.36	3.51	1.000	0.99992
3872	2	2.28	71	5,516	1,143	0.062	77.69	4.83	1.000	0.99989
3873	1	1.10	37	2,442	781	0.047	66.00	3.13	1.000	0.99993
3878	1	0.65	9	351	1,125	0.008	39.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3891	3	5.34	54	5,746	408	0.132	106.41	14.08	1.256	0.99967
3893	4	5.12	70	6,445	772	0.091	92.07	8.35	1.045	0.99981
3912	4	11.46	90	4,558	1,112	0.081	50.64	4.10	1.034	0.99991
3913	3	4.18	1,388	100,691	1,310	1.060	72.54	76.86	1.071	0.99822
3914	3	3.45	108	7,721	704	0.153	71.49	10.97	1.000	0.99975
3951	1	1.92	17	1,955	1,067	0.016	115.00	1.83	1.000	0.99996
3971	2	1.37	645	34,804	646	0.998	53.96	53.88	1.002	0.99875
3981	5	8.61	85	9,696	1,275	0.067	114.07	7.60	1.024	0.99982
3982	9	14.73	75	7,373	1,729	0.043	98.31	4.26	1.042	0.99990
3991	2	2.39	2	143	701	0.003	71.50	0.20	1.000	0.99999
4031	4	7.40	686	127,978	684	1.003	186.56	187.10	1.004	0.99567
407	1	0.98	131	7,729	98	1.337	59.00	78.87	1.000	0.99817
4091	1	2.55	5	765	1,131	0.004	153.00	0.68	1.000	0.99998
4092	2	2.57	14	1,126	412	0.034	80.43	2.73	1.000	0.99994
4101	1	3.58	55	11,825	571	0.096	215.00	20.71	1.000	0.99952
4102	3	4.65	54	3,384	864	0.063	62.67	3.92	1.000	0.99991
4131	1	0.50	176	5,280	195	0.903	30.00	27.08	1.000	0.99937
4132	1	2.00	1	120	564	0.002	120.00	0.21	1.000	0.99999
4134	4	5.62	38	3,442	826	0.046	90.58	4.17	1.000	0.99990
4141	1	1.38	1	83	80	0.013	83.00	1.04	1.000	0.99998
4151	6	11.02	838	107,035	1,232	0.680	127.73	86.88	2.059	0.99799
4155	1	1.58	18	1,710	2,020	0.009	95.00	0.85	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
4171	1	1.28	1	77	1,121	0.001	77.00	0.07	1.000	0.99999
4172	6	8.57	145	10,379	1,640	0.088	71.58	6.33	1.021	0.99985
4181	2	3.99	41	4,958	468	0.088	120.93	10.59	1.000	0.99975
4211	1	1.02	7	427	1,273	0.005	61.00	0.34	1.000	0.99999
4212	1	1.12	25	1,675	789	0.032	67.00	2.12	1.000	0.99995
4221	1	3.95	41	9,717	476	0.086	237.00	20.41	1.000	0.99953
4222	1	0.58	1	35	1,598	0.001	35.00	0.02	1.000	0.99999
4223	1	0.45	34	918	1,005	0.034	27.00	0.91	1.000	0.99998
4224	1	8.57	4	2,056	676	0.006	514.00	3.04	1.000	0.99993
4301	1	1.12	1	67	598	0.002	67.00	0.11	1.000	0.99999
4303	2	4.93	6	484	837	0.007	80.67	0.58	1.000	0.99999
4311	1	0.80	49	2,352	898	0.055	48.00	2.62	1.000	0.99994
4312	1	0.93	37	2,072	973	0.038	56.00	2.13	1.000	0.99995
4324	1	1.02	1	61	1,058	0.001	61.00	0.06	1.000	0.99999
4341	2	4.58	64	4,863	1,942	0.033	75.98	2.50	1.000	0.99994
4342	4	5.20	64	5,436	1,684	0.038	84.94	3.23	1.000	0.99993
4343	3	4.99	63	5,484	767	0.082	87.05	7.15	1.016	0.99983
4362	5	4.72	88	6,033	801	0.110	68.56	7.53	1.035	0.99983
4371	11	25.55	176	50,909	2,236	0.079	289.26	22.77	1.060	0.99947
4372	1	5.48	1	329	415	0.002	329.00	0.79	1.000	0.99998
4431	8	12.44	1,351	108,913	1,321	1.023	80.62	82.45	1.036	0.99809
4432	3	5.27	12	1,540	427	0.028	128.33	3.61	1.091	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
4602	1	1.95	8	936	936	0.009	117.00	1.00	1.000	0.99998
5602	1	3.87	18	4,176	491	0.037	232.00	8.51	1.000	0.99980
5603	4	9.34	15	1,588	1,229	0.012	105.87	1.29	1.071	0.99997
6021	3	2.02	58	1,366	660	0.088	23.55	2.07	1.036	0.99995
6141	2	2.35	12	1,151	618	0.019	95.92	1.86	1.091	0.99996
6142	1	1.52	1	91	292	0.003	91.00	0.31	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	334	615.24	19,169	1,975,360	159,046	0.121	103.05	12.42	1.148	0.99971

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2010 to 10/31/2010
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	6	4.79	165	7,073	1,344	0.123	42.87	5.26	1.078	0.99988
1051	1	1.28	1	77	1,049	0.001	77.00	0.07	1.000	0.99999
1092	4	16.54	116	51,056	1,162	0.100	440.14	43.94	1.000	0.99902
1093	1	7.45	37	16,539	216	0.171	447.00	76.57	1.000	0.99828
1094	5	9.49	25	2,422	1,106	0.023	96.88	2.19	1.000	0.99995
1102	1	1.03	34	2,108	631	0.054	62.00	3.34	1.000	0.99993
1213	1	2.65	21	3,339	538	0.039	159.00	6.21	1.000	0.99986
1226	2	2.65	42	3,339	344	0.122	79.50	9.71	1.000	0.99978
1227	2	1.40	54	2,168	1,170	0.046	40.15	1.85	1.000	0.99996
1228	1	2.75	1	165	537	0.002	165.00	0.31	1.000	0.99999
1229	8	6.57	118	5,486	1,996	0.059	46.49	2.75	1.000	0.99994
1230	7	9.17	1,089	147,103	1,106	0.985	135.08	133.00	1.033	0.99702
1232	5	7.51	1,200	119,900	1,160	1.034	99.92	103.36	1.031	0.99768
1241	1	1.48	55	4,895	826	0.067	89.00	5.93	1.000	0.99987
1242	1	1.02	1	61	670	0.001	61.00	0.09	1.000	0.99999
1243	4	11.99	1,279	91,054	1,170	1.093	71.19	77.82	1.037	0.99826
1263	1	0.82	81	3,969	1,309	0.062	49.00	3.03	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
1267	1	0.52	22	682	68	0.324	31.00	10.03	1.000	0.99978
1271	2	1.33	2	80	904	0.002	40.00	0.09	1.000	0.99999
1273	2	3.07	91	11,487	863	0.105	126.23	13.31	1.011	0.99970
1282	1	1.73	1	104	911	0.001	104.00	0.11	1.000	0.99999
1283	1	0.87	1	52	347	0.003	52.00	0.15	1.000	0.99999
1284	1	1.88	18	2,034	861	0.021	113.00	2.36	1.000	0.99995
1285	1	6.08	71	25,915	1,059	0.067	365.00	24.47	1.000	0.99945
1286	1	0.62	1	37	40	0.025	37.00	0.93	1.000	0.99998
1311	1	6.35	5	1,905	260	0.019	381.00	7.33	1.000	0.99984
1312	1	2.12	16	2,032	905	0.018	127.00	2.25	1.000	0.99995
1452	1	1.92	1	115	443	0.002	115.00	0.26	1.000	0.99999
1453	2	5.07	464	17,046	1,763	0.263	36.74	9.67	1.107	0.99978
1454	2	3.05	168	15,372	903	0.186	91.50	17.02	1.000	0.99962
1521	1	0.27	18	288	694	0.026	16.00	0.41	1.000	0.99999
1522	1	2.85	14	2,394	96	0.146	171.00	24.94	1.000	0.99944
1523	2	2.70	23	2,241	695	0.033	97.43	3.22	1.045	0.99993
1841	1	0.73	62	2,728	1,311	0.047	44.00	2.08	1.000	0.99995
2051	1	0.97	1	58	158	0.006	58.00	0.37	1.000	0.99999
2052	3	4.84	249	24,153	85	2.929	97.00	284.15	3.000	0.99363
2091	2	5.38	24	3,722	858	0.028	155.08	4.34	1.000	0.99990
2092	1	0.80	9	432	890	0.010	48.00	0.49	1.000	0.99999
2211	3	2.66	82	4,677	718	0.114	57.04	6.51	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
2212	3	5.27	33	1,861	1,248	0.026	56.39	1.49	1.000	0.99997
2511	1	1.37	1	82	606	0.002	82.00	0.14	1.000	0.99999
2621	1	2.08	1	125	1,112	0.001	125.00	0.11	1.000	0.99999
2951	3	2.82	445	31,993	1,342	0.332	71.89	23.84	1.005	0.99947
2961	2	18.17	7	5,340	960	0.007	762.86	5.56	1.000	0.99988
3082	1	1.63	10	980	320	0.031	98.00	3.06	1.000	0.99993
3121	2	0.98	38	815	1,068	0.036	21.45	0.76	1.027	0.99998
3122	1	1.97	1	118	834	0.001	118.00	0.14	1.000	0.99999
3181	2	2.97	2	178	700	0.003	89.00	0.25	1.000	0.99999
3221	6	10.91	1,210	154,679	1,214	0.997	127.83	127.41	1.033	0.99715
3231	1	0.88	399	21,147	403	0.990	53.00	52.47	1.000	0.99882
3232	1	0.78	1	47	412	0.002	47.00	0.11	1.000	0.99999
3302	1	1.28	62	4,774	771	0.080	77.00	6.19	1.000	0.99986
3304	2	2.84	57	3,030	960	0.059	53.16	3.16	1.018	0.99993
3311	1	1.75	11	1,155	604	0.018	105.00	1.91	1.000	0.99996
3313	5	3.81	22	1,061	922	0.024	48.23	1.15	1.000	0.99997
3315	3	6.82	6	571	1,534	0.004	95.17	0.37	1.000	0.99999
3422	1	4.67	11	3,080	954	0.012	280.00	3.23	1.000	0.99993
3472	3	5.68	123	15,365	1,524	0.081	124.92	10.08	1.000	0.99977
3552	1	1.22	3	219	570	0.005	73.00	0.38	1.000	0.99999
3553	1	0.67	64	2,560	1,009	0.063	40.00	2.54	1.000	0.99994
3592	4	4.30	102	6,504	1,674	0.061	63.76	3.89	1.000	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
3621	3	6.25	28	6,500	1,545	0.018	232.14	4.21	1.077	0.99991
3661	1	0.67	30	1,200	1,083	0.028	40.00	1.11	1.000	0.99998
3662	2	4.25	54	8,471	1,100	0.049	156.87	7.70	1.019	0.99983
3663	1	2.20	1	132	286	0.003	132.00	0.46	1.000	0.99999
3671	5	3.10	677	70,074	1,094	0.619	103.51	64.05	1.006	0.99857
3691	4	10.32	8	1,377	1,364	0.006	172.13	1.01	1.600	0.99998
3694	3	9.54	115	25,594	1,230	0.093	222.56	20.81	1.000	0.99953
3702	3	2.66	69	4,483	592	0.117	64.97	7.57	1.255	0.99983
3751	3	4.06	65	5,606	1,143	0.057	86.25	4.90	1.016	0.99989
3871	3	8.32	1,301	234,337	1,361	0.956	180.12	172.18	1.052	0.99614
3872	5	9.69	67	7,754	1,144	0.059	115.73	6.78	1.015	0.99985
3878	5	4.88	32	2,363	1,125	0.028	73.84	2.10	1.103	0.99995
3892	2	12.36	19	1,643	449	0.042	86.47	3.66	1.000	0.99992
3893	3	2.57	284	21,229	772	0.368	74.75	27.50	1.007	0.99938
3914	1	3.48	20	4,180	705	0.028	209.00	5.93	1.000	0.99987
3951	3	4.74	231	18,724	1,067	0.216	81.06	17.55	1.022	0.99961
3981	5	8.20	67	6,126	1,276	0.053	91.43	4.80	1.031	0.99989
3982	6	4.63	2,003	60,402	1,730	1.158	30.16	34.91	1.165	0.99922
3991	17	145.47	137	70,187	702	0.195	512.31	99.98	1.007	0.99776
4031	2	3.61	75	4,524	684	0.110	60.32	6.61	1.014	0.99985
4091	7	4.31	165	6,574	1,131	0.146	39.84	5.81	1.012	0.99987
4102	8	10.18	943	79,636	864	1.091	84.45	92.17	1.132	0.99794

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4137	4	7.06	85	3,885	808	0.105	45.71	4.81	1.000	0.99989
4138	5	3.56	63	3,658	704	0.089	58.06	5.20	1.016	0.99988
4151	1	1.13	51	3,468	1,232	0.041	68.00	2.81	1.000	0.99994
4153	2	4.28	6	740	1,257	0.005	123.33	0.59	1.000	0.99999
4171	2	2.75	6	469	1,122	0.005	78.17	0.42	1.000	0.99999
4172	3	10.82	38	14,243	1,641	0.023	374.82	8.68	1.000	0.99981
4181	2	2.18	50	3,620	468	0.107	72.40	7.74	1.000	0.99983
4182	2	2.97	52	3,512	985	0.053	67.54	3.57	1.000	0.99992
4211	4	3.98	63	2,712	1,274	0.049	43.05	2.13	1.000	0.99995
4212	2	2.40	105	6,780	790	0.133	64.57	8.58	1.000	0.99981
4221	9	63.84	9	3,830	476	0.019	425.56	8.05	1.000	0.99982
4222	4	24.77	98	48,337	1,598	0.061	493.23	30.25	1.010	0.99932
4223	3	2.00	157	4,372	1,006	0.156	27.85	4.35	1.006	0.99990
4301	5	9.03	40	2,985	598	0.067	74.63	4.99	1.000	0.99989
4303	3	11.66	59	31,796	838	0.070	538.92	37.94	1.000	0.99915
4311	1	0.47	69	1,932	899	0.077	28.00	2.15	1.000	0.99995
4312	1	0.50	73	2,190	972	0.075	30.00	2.25	1.000	0.99995
4324	1	0.83	16	800	1,059	0.015	50.00	0.76	1.000	0.99998
4331	1	1.07	1	64	296	0.003	64.00	0.22	1.000	0.99999
4341	3	4.32	1,418	186,747	1,942	0.730	131.70	96.16	1.074	0.99785
4342	6	5.85	123	6,314	1,685	0.073	51.33	3.75	1.008	0.99992
4361	1	1.12	1	67	1,904	0.001	67.00	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
4362	1	0.90	36	1,944	802	0.045	54.00	2.42	1.000	0.99995
4363	2	2.21	2	133	654	0.003	66.50	0.20	1.000	0.99999
4371	3	2.61	40	2,419	2,236	0.018	60.48	1.08	1.026	0.99998
4431	1	1.45	15	1,305	1,322	0.011	87.00	0.99	1.000	0.99998
4432	5	7.67	77	6,580	428	0.180	85.45	15.37	1.013	0.99966
4511	5	5.87	125	9,761	1,113	0.112	78.09	8.77	1.106	0.99980
4513	2	1.98	2	119	578	0.003	59.50	0.21	1.000	0.99999
4601	1	12.68	57	43,377	57	1.000	761.00	761.00	1.000	0.98295
5602	1	0.83	18	900	492	0.037	50.00	1.83	1.000	0.99996
5603	7	7.93	228	12,969	1,230	0.185	56.88	10.54	1.281	0.99976
5641	2	0.69	2	41	448	0.004	20.50	0.09	1.000	0.99999
5642	1	1.35	1	81	228	0.004	81.00	0.36	1.000	0.99999
6021	1	0.38	52	1,196	662	0.079	23.00	1.81	1.000	0.99996
6141	5	11.97	440	70,518	619	0.711	160.27	113.92	1.011	0.99745
6144	1	1.38	5	415	314	0.016	83.00	1.32	1.000	0.99997
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	324	719.25	18,345	1,959,387	159,252	0.115	106.81	12.30	1.059	0.99972

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2010 to 11/30/2010
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	6.79	199	18,834	1,345	0.148	94.64	14.00	1.000	0.99968
1051	1	0.62	29	1,073	1,049	0.028	37.00	1.02	1.000	0.99998
1082	3	5.01	235	20,461	1,270	0.185	87.07	16.11	1.004	0.99963
1091	3	10.12	8	1,767	1,605	0.005	220.88	1.10	1.000	0.99997
1092	2	1.54	10	484	1,164	0.009	48.40	0.42	1.000	0.99999
1094	4	6.45	94	7,137	1,107	0.085	75.93	6.45	1.022	0.99985
1102	3	3.43	75	5,150	632	0.119	68.67	8.15	1.500	0.99981
1103	1	1.32	16	1,264	867	0.018	79.00	1.46	1.000	0.99997
1141	3	7.35	884	154,616	893	0.990	174.90	173.14	1.002	0.99599
1142	3	3.60	3	216	213	0.014	72.00	1.01	1.500	0.99998
1212	1	1.28	311	23,947	317	0.981	77.00	75.54	1.000	0.99825
1227	2	3.05	40	3,733	1,170	0.034	93.33	3.19	1.176	0.99993
1229	5	4.92	109	6,373	1,996	0.055	58.47	3.19	1.000	0.99993
1230	2	1.52	83	3,493	1,067	0.078	42.08	3.27	1.012	0.99992
1232	1	0.70	114	4,788	1,160	0.098	42.00	4.13	1.000	0.99990
1233	1	2.70	1	162	638	0.002	162.00	0.25	1.000	0.99999
1241	1	1.67	1	100	826	0.001	100.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1242	2	2.09	32	2,081	670	0.048	65.03	3.11	1.000	0.99993
1243	6	8.12	62	5,097	1,168	0.053	82.21	4.36	1.088	0.99990
1265	1	0.42	1	25	1,308	0.001	25.00	0.02	1.000	0.99999
1271	4	2.74	305	18,835	905	0.337	61.75	20.81	1.041	0.99952
1273	5	6.25	162	11,437	863	0.188	70.60	13.25	1.000	0.99969
1282	1	0.77	21	966	911	0.023	46.00	1.06	1.000	0.99998
1283	1	0.88	1	53	347	0.003	53.00	0.15	1.000	0.99999
1284	9	20.59	82	11,734	861	0.095	143.10	13.63	1.155	0.99968
1311	2	5.77	10	1,730	261	0.038	173.00	6.63	1.000	0.99985
1312	1	5.12	897	275,379	905	0.991	307.00	304.29	1.000	0.99296
1451	1	2.25	1	135	512	0.002	135.00	0.26	1.000	0.99999
1452	1	0.43	1	26	443	0.002	26.00	0.06	1.000	0.99999
1453	3	2.30	14	534	1,764	0.008	38.14	0.30	1.000	0.99999
1454	2	1.22	73	3,126	903	0.081	42.82	3.46	1.000	0.99992
1455	1	0.78	65	3,055	527	0.123	47.00	5.80	1.000	0.99987
1521	6	7.67	40	3,270	694	0.058	81.75	4.71	1.000	0.99989
1523	2	1.98	2	119	696	0.003	59.50	0.17	1.000	0.99999
2051	1	0.58	8	280	158	0.051	35.00	1.77	1.000	0.99996
2092	4	6.60	4	396	892	0.004	99.00	0.44	1.000	0.99999
2171	1	1.18	9	639	545	0.017	71.00	1.17	1.000	0.99997
2172	1	1.53	1	92	216	0.005	92.00	0.43	1.000	0.99999
2211	2	2.48	52	4,049	718	0.072	77.87	5.64	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
2212	2	1.75	17	780	1,250	0.014	45.88	0.62	1.000	0.99999
2511	2	2.55	61	4,113	606	0.101	67.43	6.79	1.000	0.99984
2621	5	8.56	10	1,264	1,114	0.009	126.40	1.13	1.000	0.99997
2951	5	7.16	1,373	207,299	1,342	1.023	150.98	154.47	1.047	0.99642
2961	3	2.85	70	5,263	961	0.073	75.19	5.48	1.000	0.99987
2962	1	2.72	1	163	250	0.004	163.00	0.65	1.000	0.99998
3121	2	2.19	2	131	1,068	0.002	65.50	0.12	1.000	0.99999
3123	2	3.33	14	692	701	0.020	49.43	0.99	1.000	0.99998
3221	2	8.50	25	3,485	1,215	0.021	139.40	2.87	1.000	0.99993
3222	1	2.27	44	5,984	751	0.059	136.00	7.97	1.000	0.99982
3231	1	0.75	6	270	403	0.015	45.00	0.67	1.000	0.99998
3232	2	2.73	16	1,296	413	0.039	81.00	3.14	1.000	0.99993
3304	5	4.10	178	8,921	961	0.185	50.12	9.28	1.023	0.99979
3311	3	3.76	6	460	471	0.013	76.67	0.98	1.000	0.99998
3313	3	2.27	84	6,535	922	0.091	77.80	7.09	1.024	0.99984
3315	6	9.31	69	2,851	1,502	0.046	41.32	1.90	1.000	0.99996
3421	2	3.73	28	2,460	667	0.042	87.86	3.69	1.000	0.99991
3472	3	4.62	144	7,310	1,525	0.094	50.76	4.79	1.007	0.99989
3552	1	2.10	1	126	570	0.002	126.00	0.22	1.000	0.99999
3553	1	1.18	1	71	1,009	0.001	71.00	0.07	1.000	0.99999
3591	2	2.56	42	3,234	1,099	0.038	77.00	2.94	1.000	0.99993
3592	6	8.81	108	8,688	1,674	0.065	80.44	5.19	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
3621	2	5.80	27	2,048	1,545	0.017	75.85	1.33	1.000	0.99997
3661	3	2.96	160	11,610	1,083	0.148	72.56	10.72	1.000	0.99975
3662	2	3.27	2	196	1,101	0.002	98.00	0.18	1.000	0.99999
3691	2	2.99	6	567	1,364	0.004	94.50	0.42	1.000	0.99999
3701	1	0.58	12	420	466	0.026	35.00	0.90	1.000	0.99998
3751	9	9.95	1,146	32,488	1,144	1.002	28.35	28.40	1.013	0.99934
3871	2	6.14	69	12,897	1,361	0.051	186.91	9.48	1.015	0.99978
3873	3	2.18	55	2,315	783	0.070	42.09	2.96	1.019	0.99993
3878	1	0.55	94	3,102	1,125	0.084	33.00	2.76	1.000	0.99994
3891	4	5.46	161	14,341	408	0.395	89.07	35.15	1.110	0.99919
3892	1	5.05	1	303	450	0.002	303.00	0.67	1.000	0.99998
3893	4	4.04	116	7,746	772	0.150	66.78	10.03	2.035	0.99977
3903	1	0.82	28	1,372	285	0.098	49.00	4.81	1.000	0.99989
3912	1	1.15	19	1,311	1,112	0.017	69.00	1.18	1.000	0.99997
3913	3	7.85	471	17,706	1,314	0.358	37.59	13.47	1.002	0.99969
3914	1	1.25	1	75	706	0.001	75.00	0.11	1.000	0.99999
3951	3	5.77	253	22,074	1,067	0.237	87.25	20.69	1.024	0.99952
3952	1	2.55	1	153	372	0.003	153.00	0.41	1.000	0.99999
3971	2	7.40	12	3,134	647	0.019	261.17	4.84	1.000	0.99989
3981	6	7.96	1,379	154,641	1,277	1.080	112.14	121.10	1.093	0.99720
3982	3	3.57	661	41,696	1,731	0.382	63.08	24.09	1.002	0.99944
4031	1	2.75	1	165	685	0.001	165.00	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4091	4	4.19	127	8,175	1,131	0.112	64.37	7.23	1.008	0.99983
4102	5	7.20	97	9,848	864	0.112	101.53	11.40	1.000	0.99974
4134	2	1.55	7	408	826	0.008	58.29	0.49	1.000	0.99999
4137	2	1.11	3	90	808	0.004	30.00	0.11	1.000	0.99999
4138	1	1.08	40	2,600	704	0.057	65.00	3.69	1.000	0.99991
4141	2	4.55	2	273	80	0.025	136.50	3.41	1.000	0.99992
4142	2	2.21	2	133	573	0.003	66.50	0.23	1.000	0.99999
4151	2	3.57	59	6,028	1,233	0.048	102.17	4.89	1.017	0.99989
4152	2	1.73	6	352	784	0.008	58.67	0.45	1.000	0.99999
4153	1	1.63	1	98	1,258	0.001	98.00	0.08	1.000	0.99999
4171	4	3.57	110	5,998	1,122	0.098	54.53	5.35	1.294	0.99988
4172	9	10.11	84	6,107	1,642	0.051	72.70	3.72	1.000	0.99991
4173	2	5.35	6	963	604	0.010	160.50	1.59	2.000	0.99996
4182	1	0.50	38	1,140	986	0.039	30.00	1.16	1.000	0.99997
4211	4	22.38	5	2,511	1,274	0.004	502.20	1.97	1.250	0.99995
4212	1	0.57	33	1,122	791	0.042	34.00	1.42	1.000	0.99997
4221	3	3.99	19	959	476	0.040	50.47	2.01	1.056	0.99995
4222	1	0.40	46	1,104	1,598	0.029	24.00	0.69	1.000	0.99998
4224	3	5.55	7	1,365	676	0.010	195.00	2.02	1.000	0.99995
4301	2	2.39	37	2,776	598	0.062	75.03	4.64	1.000	0.99989
4303	2	2.12	22	1,397	839	0.026	63.50	1.67	1.000	0.99996
4324	1	0.55	1	33	1,060	0.001	33.00	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
4341	1	0.62	1	37	1,943	0.001	37.00	0.02	1.000	0.99999
4342	4	3.45	33	1,862	1,686	0.020	56.42	1.10	1.500	0.99997
4343	3	1.81	200	5,600	768	0.260	28.00	7.29	1.786	0.99983
4361	1	0.57	100	3,400	1,904	0.053	34.00	1.79	1.000	0.99996
4363	3	2.70	183	6,462	655	0.279	35.31	9.87	1.000	0.99977
4371	1	2.82	1	169	2,237	0.000	169.00	0.08	1.000	0.99999
4385	1	1.88	1	113	1,107	0.001	113.00	0.10	1.000	0.99999
4431	11	22.87	27	2,853	1,322	0.020	105.67	2.16	1.038	0.99995
4432	2	3.77	26	2,842	428	0.061	109.31	6.64	1.000	0.99985
4513	1	1.20	1	72	580	0.002	72.00	0.12	1.000	0.99999
4602	1	0.87	7	364	937	0.007	52.00	0.39	1.000	0.99999
5602	1	1.67	1	100	492	0.002	100.00	0.20	1.000	0.99999
5641	1	1.85	428	47,508	448	0.955	111.00	106.04	1.000	0.99755
5642	1	1.82	203	22,127	227	0.894	109.00	97.48	1.000	0.99774
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	301	455.86	12,994	1,345,401	159,332	0.082	103.54	8.44	1.038	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2010 to 12/31/2010
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	0.87	24	1,248	1,348	0.018	52.00	0.93	1.000	0.99998
1081	1	2.38	1	143	18	0.056	143.00	7.94	1.000	0.99982
1082	3	3.93	24	958	1,270	0.019	39.92	0.75	1.000	0.99998
1091	3	5.08	3	305	1,606	0.002	101.67	0.19	1.000	0.99999
1092	7	10.65	1,215	210,593	1,165	1.043	173.33	180.77	1.052	0.99595
1102	3	9.25	88	18,399	634	0.139	209.08	29.02	1.000	0.99935
1141	2	4.92	2	295	894	0.002	147.50	0.33	1.000	0.99999
1225	2	1.41	78	3,315	933	0.084	42.50	3.55	1.000	0.99992
1226	1	2.47	1	148	344	0.003	148.00	0.43	1.000	0.99999
1227	3	3.52	21	1,129	1,170	0.018	53.76	0.96	1.105	0.99998
1229	3	3.05	144	4,476	1,996	0.072	31.08	2.24	1.000	0.99995
1230	1	0.82	82	4,018	1,068	0.077	49.00	3.76	1.000	0.99992
1232	1	0.87	1	52	1,160	0.001	52.00	0.04	1.000	0.99999
1233	1	1.25	1	75	638	0.002	75.00	0.12	1.000	0.99999
1241	1	1.25	1	75	826	0.001	75.00	0.09	1.000	0.99999
1243	1	0.38	80	1,840	1,170	0.068	23.00	1.57	1.000	0.99996
1262	1	1.33	1	80	208	0.005	80.00	0.38	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	3	4.03	43	3,488	1,309	0.033	81.12	2.66	1.000	0.99994
1265	1	0.83	1	50	1,308	0.001	50.00	0.04	1.000	0.99999
1271	2	3.22	44	4,074	906	0.049	92.59	4.50	1.000	0.99990
1273	1	0.80	1	48	863	0.001	48.00	0.06	1.000	0.99999
1282	4	7.73	194	20,134	911	0.213	103.78	22.10	1.005	0.99950
1284	6	9.09	218	50,869	862	0.253	233.34	59.01	1.019	0.99868
1452	4	5.47	21	1,569	443	0.047	74.71	3.54	1.050	0.99992
1453	1	0.47	180	5,040	1,766	0.102	28.00	2.85	1.000	0.99994
1454	6	3.64	107	2,227	904	0.118	20.81	2.46	1.000	0.99994
1455	1	1.55	65	6,045	527	0.123	93.00	11.47	1.000	0.99974
1521	8	12.53	823	82,304	694	1.186	100.00	118.59	1.236	0.99734
1522	2	5.08	95	10,349	96	0.990	108.94	107.80	1.011	0.99759
1523	1	1.82	693	75,537	697	0.994	109.00	108.37	1.000	0.99757
1841	2	1.48	9	593	1,314	0.007	65.89	0.45	1.000	0.99999
1843	2	4.73	33	4,748	1,056	0.031	143.88	4.50	1.031	0.99990
2051	1	1.88	1	113	158	0.006	113.00	0.72	1.000	0.99998
2052	1	0.92	1	55	85	0.012	55.00	0.65	1.000	0.99999
2211	2	2.60	53	4,332	718	0.074	81.74	6.03	1.000	0.99986
2212	3	5.61	99	13,617	1,250	0.079	137.55	10.89	1.000	0.99976
2491	3	4.52	89	9,860	60	1.483	110.79	164.33	1.035	0.99632
2511	1	1.17	3	210	606	0.005	70.00	0.35	1.000	0.99999
2621	10	4.96	29	805	1,114	0.026	27.76	0.72	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2951	4	7.08	4	425	1,342	0.003	106.25	0.32	1.333	0.99999
2961	3	2.88	276	15,916	962	0.287	57.67	16.54	1.516	0.99963
3122	2	4.45	91	15,846	836	0.109	174.13	18.95	1.046	0.99958
3123	1	0.48	593	17,197	701	0.846	29.00	24.53	1.000	0.99945
3221	1	1.18	1	71	1,216	0.001	71.00	0.06	1.000	0.99999
3222	1	2.67	1	160	751	0.001	160.00	0.21	1.000	0.99999
3232	1	1.02	1	61	414	0.002	61.00	0.15	1.000	0.99999
3304	4	6.86	30	3,113	961	0.031	103.77	3.24	1.000	0.99993
3313	1	0.65	1	39	922	0.001	39.00	0.04	1.000	0.99999
3314	3	7.56	19	2,118	222	0.086	111.47	9.54	1.000	0.99979
3315	2	4.23	10	1,790	1,504	0.007	179.00	1.19	1.000	0.99997
3421	1	1.52	62	5,642	668	0.093	91.00	8.45	1.000	0.99981
3471	1	1.10	12	792	158	0.076	66.00	5.01	1.000	0.99989
3472	3	2.81	52	3,490	1,526	0.034	67.12	2.29	1.020	0.99995
3551	1	2.23	25	3,350	1,001	0.025	134.00	3.35	1.000	0.99993
3591	1	0.58	1	35	1,098	0.001	35.00	0.03	1.000	0.99999
3592	2	0.84	2	50	1,676	0.001	25.00	0.03	1.000	0.99999
3621	4	5.29	4	318	1,546	0.003	79.50	0.21	1.333	0.99999
3661	1	3.12	3	561	1,084	0.003	187.00	0.52	1.000	0.99999
3663	1	3.17	18	3,420	286	0.063	190.00	11.96	1.000	0.99973
3701	2	11.35	2	681	466	0.004	340.50	1.46	1.000	0.99997
3702	1	3.03	1	182	592	0.002	182.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3751	2	1.77	54	2,862	1,146	0.047	53.00	2.50	2.000	0.99994
3871	1	0.37	1	22	1,361	0.001	22.00	0.02	1.000	0.99999
3873	1	1.13	39	2,652	783	0.050	68.00	3.39	1.000	0.99992
3878	1	0.47	82	2,296	1,125	0.073	28.00	2.04	1.000	0.99995
3892	1	5.03	448	135,296	451	0.993	302.00	299.99	1.000	0.99328
3893	9	9.04	352	18,351	772	0.456	52.13	23.77	1.461	0.99947
3894	1	0.97	1	58	107	0.009	58.00	0.54	1.000	0.99999
3903	4	6.72	5	565	285	0.018	113.00	1.98	1.000	0.99996
3912	1	5.23	6	1,884	1,112	0.005	314.00	1.69	1.000	0.99996
3913	2	3.17	424	60,844	1,315	0.322	143.50	46.27	1.044	0.99896
3951	4	6.86	154	17,739	1,067	0.144	115.19	16.63	1.007	0.99963
3971	1	1.68	1	101	647	0.002	101.00	0.16	1.000	0.99999
3981	8	14.28	788	86,438	1,372	0.574	109.69	63.00	1.052	0.99859
3982	4	3.52	343	16,332	1,890	0.181	47.62	8.64	1.000	0.99981
403	1	0.85	1	51	259	0.004	51.00	0.20	1.000	0.99999
4031	4	5.92	21	1,380	686	0.031	65.71	2.01	1.050	0.99995
406	1	0.22	1	13	70	0.014	13.00	0.19	1.000	0.99999
407	1	0.48	1	29	98	0.010	29.00	0.30	1.000	0.99999
4091	1	0.72	1	43	1,130	0.001	43.00	0.04	1.000	0.99999
4092	1	0.82	1	49	414	0.002	49.00	0.12	1.000	0.99999
4101	1	0.73	566	24,904	574	0.986	44.00	43.39	1.000	0.99903
4102	3	4.04	28	2,042	865	0.032	72.93	2.36	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
4134	1	1.68	15	1,515	826	0.018	101.00	1.83	1.000	0.99996
4137	1	0.50	1	30	808	0.001	30.00	0.04	1.000	0.99999
4142	1	1.40	26	2,184	574	0.045	84.00	3.80	1.000	0.99991
4152	4	4.91	47	2,652	782	0.060	56.43	3.39	1.044	0.99992
4153	1	1.27	1	76	1,258	0.001	76.00	0.06	1.000	0.99999
4154	1	1.13	32	2,176	1,078	0.030	68.00	2.02	1.000	0.99995
4171	6	5.49	213	9,832	1,122	0.190	46.16	8.76	1.039	0.99980
4172	5	4.72	115	5,397	1,644	0.070	46.93	3.28	1.018	0.99993
4181	1	0.62	36	1,332	468	0.077	37.00	2.85	1.000	0.99994
4211	1	1.88	1	113	1,276	0.001	113.00	0.09	1.000	0.99999
4212	1	0.75	7	315	792	0.009	45.00	0.40	1.000	0.99999
4222	7	13.18	47	7,274	1,598	0.029	154.77	4.55	1.000	0.99990
4223	1	1.45	8	696	1,006	0.008	87.00	0.69	1.000	0.99998
4224	2	2.31	2	139	678	0.003	69.50	0.21	2.000	0.99999
4324	22	33.08	1,278	124,459	1,060	1.206	97.39	117.41	1.217	0.99737
4331	3	7.93	3	476	296	0.010	158.67	1.61	1.000	0.99996
4341	1	0.97	1	58	1,824	0.001	58.00	0.03	1.000	0.99999
4342	4	5.71	64	3,635	1,690	0.038	56.80	2.15	1.016	0.99995
4361	5	8.95	8	1,053	1,904	0.004	131.63	0.55	1.000	0.99999
4362	5	5.43	215	9,888	806	0.267	45.99	12.27	1.000	0.99973
4371	4	4.87	45	4,116	2,240	0.020	91.47	1.84	1.000	0.99996
4372	2	1.57	21	626	416	0.050	29.81	1.50	1.050	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
4385	1	1.62	18	1,746	1,106	0.016	97.00	1.58	1.000	0.99996
4431	2	6.49	24	7,671	1,322	0.018	319.63	5.80	1.000	0.99987
4602	1	0.88	41	2,173	938	0.044	53.00	2.32	1.000	0.99995
5602	2	4.43	625	129,227	580	1.078	206.76	222.81	1.002	0.99501
5603	2	3.70	54	2,302	1,232	0.044	42.63	1.87	1.000	0.99996
6021	1	0.48	12	348	665	0.018	29.00	0.52	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	282	413.08	12,056	1,313,933	159,046	0.076	108.99	8.26	1.068	0.99981

Appendix B

THE EMPIRE DISTRICT ELECTRIC COMPANY CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI 1/1/2010 to 1/31/2010 EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	6	0.69	6	41	1,339	0.004	6.83	0.03	1.000	0.99999
1051	2	3.02	13	1,776	1,044	0.012	136.62	1.70	1.083	0.99996
1082	3	2.59	11	499	1,304	0.008	45.36	0.38	1.000	0.99999
1091	6	11.16	30	4,058	1,595	0.019	135.27	2.54	2.143	0.99994
1094	3	2.36	95	4,805	1,101	0.086	50.58	4.36	1.022	0.99990
1103	2	2.35	833	27,564	861	0.967	33.09	32.01	1.001	0.99928
1211	1	1.83	1	110	1,456	0.001	110.00	0.08	1.000	0.99999
1213	2	8.98	3	646	535	0.006	215.33	1.21	1.500	0.99997
1228	1	0.42	1	25	479	0.002	25.00	0.05	1.000	0.99999
1229	1	0.52	1	31	1,991	0.001	31.00	0.02	1.000	0.99999
1230	2	3.31	2	199	1,141	0.002	99.50	0.17	1.000	0.99999
1232	1	2.90	1	174	1,156	0.001	174.00	0.15	1.000	0.99999
1233	2	4.55	18	2,427	638	0.028	134.83	3.80	1.000	0.99991
1241	1	1.87	1	112	821	0.001	112.00	0.14	1.000	0.99999
1263	1	0.90	1	54	1,309	0.001	54.00	0.04	1.000	0.99999
1271	6	9.39	864	62,339	895	0.965	72.15	69.65	1.006	0.99844
1272	1	1.22	1	73	14	0.071	73.00	5.21	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
1273	1	1.82	1	109	862	0.001	109.00	0.13	1.000	0.99999
1284	1	1.35	1	81	857	0.001	81.00	0.09	1.000	0.99999
1311	1	2.48	1	149	256	0.004	149.00	0.58	1.000	0.99999
1312	1	5.42	1	325	905	0.001	325.00	0.36	1.000	0.99999
1451	1	0.97	71	4,118	510	0.139	58.00	8.07	1.000	0.99982
1452	1	6.03	1	362	438	0.002	362.00	0.83	1.000	0.99998
1453	2	4.75	212	34,445	1,758	0.121	162.48	19.59	1.000	0.99956
1455	1	1.00	1	60	521	0.002	60.00	0.12	1.000	0.99999
1523	1	1.15	7	483	688	0.010	69.00	0.70	1.000	0.99998
1841	4	5.93	1,455	116,139	1,296	1.123	79.82	89.61	1.213	0.99799
1842	1	1.65	193	19,107	262	0.737	99.00	72.93	1.000	0.99837
1843	2	2.52	1,906	143,903	1,042	1.829	75.50	138.10	2.000	0.99691
2051	1	1.58	1	95	157	0.006	95.00	0.61	1.000	0.99999
2091	2	2.14	4	262	849	0.005	65.50	0.31	1.333	0.99999
2212	1	1.52	1	91	1,233	0.001	91.00	0.07	1.000	0.99999
2951	2	2.00	41	2,344	1,334	0.031	57.17	1.76	1.000	0.99996
2952	1	1.20	1	72	144	0.007	72.00	0.50	1.000	0.99999
3123	1	0.87	1	52	693	0.001	52.00	0.08	1.000	0.99999
3221	1	1.05	1	63	1,208	0.001	63.00	0.05	1.000	0.99999
3222	3	7.58	3	455	747	0.004	151.67	0.61	1.500	0.99999
3232	1	2.72	11	1,793	410	0.027	163.00	4.37	1.000	0.99990
3304	3	9.82	90	13,543	923	0.098	150.48	14.67	1.000	0.99967

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3311	1	1.58	1	95	680	0.001	95.00	0.14	1.000	0.99999
3313	4	4.48	331	27,611	904	0.366	83.42	30.54	1.028	0.99932
3472	1	1.57	96	9,024	1,512	0.063	94.00	5.97	1.000	0.99987
3621	1	0.90	1,447	78,138	1,533	0.944	54.00	50.97	1.000	0.99886
3661	3	9.53	31	2,318	1,081	0.029	74.77	2.14	1.033	0.99995
3671	3	2.67	23	1,190	1,089	0.021	51.74	1.09	1.917	0.99998
3672	1	0.47	34	952	130	0.262	28.00	7.32	1.000	0.99984
3694	1	1.25	2	150	1,201	0.002	75.00	0.12	1.000	0.99999
3751	1	0.55	1	33	1,141	0.001	33.00	0.03	1.000	0.99999
3872	1	1.43	1	86	1,142	0.001	86.00	0.08	1.000	0.99999
3873	1	7.25	17	7,395	1,901	0.009	435.00	3.89	1.000	0.99991
3891	2	2.48	2	149	408	0.005	74.50	0.37	1.000	0.99999
3893	2	4.82	68	5,437	766	0.089	79.96	7.10	1.015	0.99984
3913	3	6.53	3	392	1,303	0.002	130.67	0.30	1.000	0.99999
3951	1	0.72	1	43	1,060	0.001	43.00	0.04	1.000	0.99999
3952	1	1.65	1	99	367	0.003	99.00	0.27	1.000	0.99999
3981	3	4.47	3	268	1,269	0.002	89.33	0.21	1.000	0.99999
3991	3	5.76	3	346	693	0.004	115.33	0.50	1.000	0.99999
403	1	0.80	7	336	256	0.027	48.00	1.31	1.000	0.99997
4031	1	1.72	1	103	636	0.002	103.00	0.16	1.000	0.99999
4091	5	3.20	50	2,036	1,128	0.044	40.72	1.80	1.020	0.99996
4092	1	1.30	2	156	408	0.005	78.00	0.38	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4102	3	14.04	67	17,386	849	0.079	259.49	20.48	1.015	0.99954
4138	1	0.53	1	32	707	0.001	32.00	0.05	1.000	0.99999
4151	1	3.55	21	4,473	1,223	0.017	213.00	3.66	1.000	0.99992
4154	1	2.83	1	170	1,065	0.001	170.00	0.16	1.000	0.99999
4155	2	1.96	3	192	2,005	0.001	64.00	0.10	1.500	0.99999
4171	1	1.67	1	100	1,113	0.001	100.00	0.09	1.000	0.99999
4172	2	2.90	24	1,978	1,627	0.015	82.42	1.22	1.000	0.99997
4173	1	1.50	7	630	603	0.012	90.00	1.04	1.000	0.99998
4181	1	1.97	10	1,180	468	0.021	118.00	2.52	1.000	0.99994
4211	1	1.02	17	1,037	1,263	0.013	61.00	0.82	1.000	0.99998
4222	1	0.65	1	39	1,594	0.001	39.00	0.02	1.000	0.99999
4223	1	1.37	79	6,478	988	0.080	82.00	6.56	1.000	0.99985
4224	2	2.40	54	3,888	675	0.080	72.00	5.76	1.038	0.99987
4311	2	0.85	20	519	891	0.022	25.95	0.58	1.053	0.99999
4324	1	0.45	8	216	1,046	0.008	27.00	0.21	1.000	0.99999
4341	6	17.94	37	7,564	1,939	0.019	204.43	3.90	1.233	0.99991
4342	2	3.22	12	1,793	1,687	0.007	149.42	1.06	1.000	0.99998
4343	1	0.70	1	42	767	0.001	42.00	0.05	1.000	0.99999
4361	8	16.43	1,475	168,149	1,889	0.781	114.00	89.01	1.123	0.99801
4371	5	8.95	5	538	2,225	0.002	107.60	0.24	1.000	0.99999
4386	1	1.10	6	396	1,634	0.004	66.00	0.24	1.000	0.99999
4511	1	2.85	2	342	1,109	0.002	171.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	1	0.55	6	198	84	0.071	33.00	2.36	1.000	0.99995
5603	2	4.35	22	2,038	1,224	0.018	92.64	1.67	1.000	0.99996
5642	1	0.75	1	45	230	0.004	45.00	0.20	1.000	0.99999
6142	1	1.23	3	222	291	0.010	74.00	0.76	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	165	284.50	9,895	798,986	157,269	0.063	80.75	5.08	1.167	0.99989

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2010 to 2/28/2010
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
1091	1	0.65	29	1,131	1,595	0.018	39.00	0.71	1.000	0.99998
1092	1	0.88	12	636	1,154	0.010	53.00	0.55	1.000	0.99999
1141	1	0.65	27	1,053	893	0.030	39.00	1.18	1.000	0.99997
1212	1	2.40	23	3,312	67	0.343	144.00	49.43	1.000	0.99877
1229	1	2.32	1	139	1,991	0.001	139.00	0.07	1.000	0.99999
1230	1	0.28	1	17	1,141	0.001	17.00	0.01	1.000	0.99999
1242	1	0.40	1	24	665	0.002	24.00	0.04	1.000	0.99999
1271	2	0.70	5	105	895	0.006	21.00	0.12	1.000	0.99999
1521	1	3.10	1	186	348	0.003	186.00	0.53	1.000	0.99999
1841	1	2.00	212	25,440	1,296	0.164	120.00	19.63	1.000	0.99951
2091	2	4.10	2	246	849	0.002	123.00	0.29	1.000	0.99999
2092	2	1.95	2	117	886	0.002	58.50	0.13	1.000	0.99999
2511	2	2.68	2	161	606	0.003	80.50	0.27	1.000	0.99999
2621	1	2.75	1	165	1,107	0.001	165.00	0.15	1.000	0.99999
3081	1	1.48	2	178	560	0.004	89.00	0.32	1.000	0.99999
3122	1	1.13	7	476	828	0.008	68.00	0.57	1.000	0.99999
3304	1	0.73	80	3,520	923	0.087	44.00	3.81	1.000	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
3311	3	9.03	12	2,253	675	0.018	187.75	3.34	1.000	0.99992
3472	3	7.70	41	4,870	1,512	0.027	118.78	3.22	1.000	0.99992
3552	1	1.35	1	81	569	0.002	81.00	0.14	1.000	0.99999
3592	1	1.78	53	5,671	1,663	0.032	107.00	3.41	1.000	0.99992
3621	1	0.65	1	39	1,533	0.001	39.00	0.03	1.000	0.99999
3701	1	1.60	1	96	460	0.002	96.00	0.21	1.000	0.99999
3751	2	2.80	1,166	139,088	1,141	1.022	119.29	121.90	1.024	0.99698
3871	2	4.65	6	837	1,357	0.004	139.50	0.62	2.000	0.99998
3872	1	0.87	1	52	1,142	0.001	52.00	0.05	1.000	0.99999
3873	1	1.15	9	621	1,901	0.005	69.00	0.33	1.000	0.99999
3891	1	0.85	17	867	408	0.042	51.00	2.13	1.000	0.99995
3901	1	0.52	1	31	845	0.001	31.00	0.04	1.000	0.99999
3951	1	6.05	7	2,541	1,060	0.007	363.00	2.40	1.000	0.99994
3952	4	9.55	4	573	367	0.011	143.25	1.56	1.000	0.99996
3971	2	4.27	2	256	642	0.003	128.00	0.40	1.000	0.99999
3982	1	1.37	1	82	1,724	0.001	82.00	0.05	1.000	0.99999
406	1	1.43	1	86	69	0.014	86.00	1.25	1.000	0.99997
4091	1	0.52	1	31	1,128	0.001	31.00	0.03	1.000	0.99999
4101	1	1.08	1	65	565	0.002	65.00	0.12	1.000	0.99999
4102	6	6.05	38	5,707	849	0.045	150.18	6.72	1.118	0.99983
4152	1	1.07	36	2,304	741	0.049	64.00	3.11	1.000	0.99992
4153	1	1.18	1	71	1,187	0.001	71.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4155	1	2.40	1,985	285,840	2,005	0.990	144.00	142.56	1.000	0.99646
4172	1	0.65	118	4,602	1,627	0.073	39.00	2.83	1.000	0.99993
4173	1	0.72	26	1,118	603	0.043	43.00	1.85	1.000	0.99995
4221	1	0.93	1	56	475	0.002	56.00	0.12	1.000	0.99999
4324	1	0.63	1	38	1,046	0.001	38.00	0.04	1.000	0.99999
4334	1	2.12	1	127	339	0.003	127.00	0.37	1.000	0.99999
4341	2	2.12	14	787	1,939	0.007	56.21	0.41	1.077	0.99999
4343	2	4.10	126	10,298	767	0.164	81.73	13.43	1.000	0.99967
4361	3	2.28	47	2,865	1,889	0.025	60.96	1.52	1.044	0.99996
4362	1	1.05	1	63	799	0.001	63.00	0.08	1.000	0.99999
4363	1	0.98	91	5,369	651	0.140	59.00	8.25	1.000	0.99980
4371	2	4.60	29	4,893	2,225	0.013	168.72	2.20	1.036	0.99995
4431	1	1.17	25	1,750	1,312	0.019	70.00	1.33	1.000	0.99997
5603	4	8.89	71	3,089	1,224	0.058	43.51	2.52	1.000	0.99994
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	80	126.36	4,345	524,023	157,315	0.028	120.60	3.33	1.009	0.99992

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2010 to 3/31/2010
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1082	5	9.98	23	2,385	1,306	0.018	103.70	1.83	1.045	0.99996
1091	1	0.97	1	58	1,600	0.001	58.00	0.04	1.000	0.99999
1092	2	2.90	40	3,860	1,156	0.035	96.50	3.34	1.026	0.99993
1093	1	3.13	36	6,768	214	0.168	188.00	31.63	1.000	0.99929
1094	3	5.00	14	803	1,098	0.013	57.36	0.73	1.077	0.99998
1102	1	0.82	1	49	624	0.002	49.00	0.08	1.000	0.99999
1103	1	1.92	93	10,695	863	0.108	115.00	12.39	1.000	0.99972
1211	3	3.59	1,450	61,559	1,456	0.996	42.45	42.28	1.063	0.99905
1226	1	0.82	21	1,029	341	0.062	49.00	3.02	1.000	0.99993
1227	1	0.55	1	33	1,168	0.001	33.00	0.03	1.000	0.99999
1229	2	3.25	100	7,153	1,993	0.050	71.53	3.59	1.010	0.99992
1230	1	5.40	1	324	1,144	0.001	324.00	0.28	1.000	0.99999
1232	1	0.95	1	57	1,157	0.001	57.00	0.05	1.000	0.99999
1233	2	2.65	2	159	638	0.003	79.50	0.25	1.000	0.99999
1242	2	1.05	2	63	668	0.003	31.50	0.09	1.000	0.99999
1243	8	24.98	83	18,833	1,277	0.065	226.90	14.75	1.092	0.99967
1262	1	0.73	1	44	206	0.005	44.00	0.21	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	1	0.45	7	189	1,309	0.005	27.00	0.14	1.000	0.99999
1271	1	1.57	1	94	898	0.001	94.00	0.10	1.000	0.99999
1273	2	3.18	16	1,409	862	0.019	88.06	1.63	1.000	0.99996
1281	1	3.30	1	198	97	0.010	198.00	2.04	1.000	0.99995
1453	2	3.55	2	213	1,758	0.001	106.50	0.12	1.000	0.99999
1521	1	1.57	55	5,170	520	0.106	94.00	9.94	1.000	0.99978
1522	3	5.16	119	10,499	96	1.240	88.23	109.36	1.266	0.99755
1523	1	1.63	1	98	690	0.001	98.00	0.14	1.000	0.99999
1842	1	0.75	1	45	262	0.004	45.00	0.17	1.000	0.99999
1843	2	3.44	10	718	1,044	0.010	71.80	0.69	1.111	0.99998
2051	1	1.33	1	80	157	0.006	80.00	0.51	1.000	0.99999
2172	1	0.87	1	52	215	0.005	52.00	0.24	1.000	0.99999
2211	2	4.55	738	107,444	718	1.028	145.59	149.64	1.022	0.99665
2212	7	13.52	517	72,124	1,236	0.418	139.50	58.35	1.105	0.99869
2491	1	3.20	44	8,448	59	0.746	192.00	143.19	1.000	0.99679
2621	12	17.51	1,525	131,800	1,108	1.376	86.43	118.95	1.735	0.99734
2622	1	1.80	6	648	112	0.054	108.00	5.79	1.000	0.99987
2951	2	3.27	2	196	1,335	0.001	98.00	0.15	1.000	0.99999
3122	2	3.62	16	1,015	830	0.019	63.44	1.22	1.067	0.99997
3181	2	2.17	464	40,184	696	0.667	86.60	57.74	1.055	0.99871
3221	1	0.95	1	57	1,209	0.001	57.00	0.05	1.000	0.99999
3222	2	4.23	738	134,206	747	0.988	181.85	179.66	1.001	0.99598

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3301	1	0.80	8	384	204	0.039	48.00	1.88	1.000	0.99996
3302	1	0.50	1	30	736	0.001	30.00	0.04	1.000	0.99999
3304	2	2.11	7	317	940	0.007	45.29	0.34	1.000	0.99999
3311	1	1.62	1	97	688	0.001	97.00	0.14	1.000	0.99999
3313	1	0.60	69	2,484	878	0.079	36.00	2.83	1.000	0.99994
3315	1	0.93	28	1,568	1,363	0.021	56.00	1.15	1.000	0.99997
3422	2	5.52	2	331	952	0.002	165.50	0.35	1.000	0.99999
3472	1	3.22	85	16,405	1,513	0.056	193.00	10.84	1.000	0.99976
3551	2	5.78	43	7,014	996	0.043	163.12	7.04	1.000	0.99984
3552	2	2.00	575	46,029	570	1.009	80.05	80.75	1.023	0.99819
3553	2	6.78	11	677	1,004	0.011	61.55	0.67	1.000	0.99998
3592	2	3.54	49	7,873	1,667	0.029	160.67	4.72	1.021	0.99989
3621	2	4.65	11	2,574	1,536	0.007	234.00	1.68	1.100	0.99996
3661	2	2.81	137	13,312	1,082	0.127	97.17	12.30	1.000	0.99972
3662	1	2.52	1	151	1,089	0.001	151.00	0.14	1.000	0.99999
3673	2	2.02	10	745	259	0.039	74.50	2.88	1.111	0.99994
3691	2	2.82	20	1,321	1,343	0.015	66.05	0.98	1.053	0.99998
3694	2	7.75	24	6,691	1,206	0.020	278.79	5.55	1.043	0.99988
3701	1	1.05	1	63	461	0.002	63.00	0.14	1.000	0.99999
3751	3	4.49	22	1,949	1,143	0.019	88.59	1.71	1.048	0.99996
3872	1	0.82	1	49	1,142	0.001	49.00	0.04	1.000	0.99999
3873	2	4.07	2	244	1,904	0.001	122.00	0.13	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
3891	5	5.84	27	2,095	408	0.066	77.59	5.13	1.125	0.99988
3892	2	4.45	34	5,227	440	0.077	153.74	11.88	1.030	0.99973
3893	1	1.08	14	910	768	0.018	65.00	1.18	1.000	0.99997
3901	4	8.49	56	8,156	846	0.066	145.64	9.64	1.057	0.99978
3903	2	2.92	2	175	285	0.007	87.50	0.61	1.000	0.99999
3912	1	0.77	1,063	48,898	1,110	0.958	46.00	44.05	1.000	0.99901
3914	1	3.43	1	206	698	0.001	206.00	0.30	1.000	0.99999
3951	10	15.24	1,090	85,809	1,060	1.028	78.72	80.95	1.023	0.99819
3952	1	2.77	1	166	368	0.003	166.00	0.45	1.000	0.99999
3971	2	6.10	64	14,998	642	0.100	234.34	23.36	1.016	0.99948
3981	2	3.78	55	6,428	1,270	0.043	116.87	5.06	1.019	0.99989
3982	2	1.53	22	972	1,724	0.013	44.18	0.56	1.048	0.99999
3991	2	3.90	34	3,340	694	0.049	98.24	4.81	1.000	0.99989
403	2	0.71	2	43	256	0.008	21.50	0.17	1.000	0.99999
4101	2	1.50	2	90	566	0.004	45.00	0.16	1.000	0.99999
4136	1	2.38	14	2,002	664	0.021	143.00	3.02	1.000	0.99993
4138	1	2.77	1	166	707	0.001	166.00	0.23	1.000	0.99999
4141	4	6.15	4	369	80	0.050	92.25	4.61	1.000	0.99990
4152	4	2.10	868	40,912	742	1.170	47.13	55.14	1.081	0.99876
4171	1	3.38	1	203	1,114	0.001	203.00	0.18	1.000	0.99999
4172	2	1.78	62	3,759	1,630	0.038	60.63	2.31	1.000	0.99995
4181	1	0.90	40	2,160	468	0.085	54.00	4.62	1.000	0.99990

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4182	1	3.17	2	380	982	0.002	190.00	0.39	1.000	0.99999
4211	5	6.52	109	10,297	1,264	0.086	94.47	8.15	1.038	0.99982
4212	4	5.89	26	2,666	785	0.033	102.54	3.40	1.083	0.99992
4221	3	6.19	146	16,899	476	0.307	115.75	35.50	1.028	0.99920
4222	2	3.05	2	183	1,594	0.001	91.50	0.11	1.000	0.99999
4301	3	6.08	51	2,333	596	0.086	45.75	3.91	1.000	0.99991
4302	1	3.23	1	194	641	0.002	194.00	0.30	1.000	0.99999
4311	3	5.00	21	1,056	892	0.024	50.29	1.18	1.105	0.99997
4341	1	1.25	1	75	1,940	0.001	75.00	0.04	1.000	0.99999
4342	2	1.98	101	5,982	1,688	0.060	59.23	3.54	1.000	0.99992
4343	4	8.67	123	8,928	766	0.161	72.59	11.66	1.171	0.99974
4361	3	8.17	50	8,386	1,895	0.026	167.72	4.43	1.042	0.99990
4362	1	0.92	36	1,980	799	0.045	55.00	2.48	1.000	0.99994
4363	2	1.07	94	2,656	651	0.144	28.26	4.08	1.000	0.99991
4371	7	16.35	34	4,909	2,226	0.015	144.38	2.21	1.097	0.99995
4372	2	8.85	47	7,011	303	0.155	149.17	23.14	1.022	0.99948
4386	2	4.02	444	53,502	1,634	0.272	120.50	32.74	2.000	0.99927
4431	1	1.58	1	95	1,314	0.001	95.00	0.07	1.000	0.99999
4432	1	3.12	1	187	424	0.002	187.00	0.44	1.000	0.99999
5602	1	5.63	1	338	490	0.002	338.00	0.69	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
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	223	399.42	11,992	1,094,208	157,642	0.076	91.24	6.94	1.115	0.99984

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2010 to 4/30/2010
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	1.17	1	70	1,048	0.001	70.00	0.07	1.000	0.99999
1091	4	10.10	142	15,868	1,604	0.089	111.75	9.89	1.036	0.99977
1141	1	0.78	1	47	893	0.001	47.00	0.05	1.000	0.99999
1142	1	1.10	1	66	212	0.005	66.00	0.31	1.000	0.99999
1211	1	0.83	1	50	1,457	0.001	50.00	0.03	1.000	0.99999
1225	1	0.38	1	23	933	0.001	23.00	0.02	1.000	0.99999
1226	3	3.18	111	7,067	342	0.325	63.67	20.66	1.000	0.99952
1227	4	6.22	892	115,369	1,169	0.763	129.34	98.69	1.244	0.99772
1229	2	1.10	142	3,846	1,995	0.071	27.08	1.93	1.007	0.99996
1230	2	1.96	49	2,978	1,146	0.043	60.78	2.60	1.000	0.99994
1233	2	5.65	2	339	638	0.003	169.50	0.53	1.000	0.99999
1241	2	1.53	15	1,106	822	0.018	73.73	1.35	1.071	0.99997
1243	1	0.62	1	37	1,275	0.001	37.00	0.03	1.000	0.99999
1261	1	2.38	1	143	380	0.003	143.00	0.38	1.000	0.99999
1263	1	0.93	18	1,008	1,309	0.014	56.00	0.77	1.000	0.99998
1265	3	6.03	1,381	219,114	1,298	1.064	158.66	168.81	1.075	0.99609
1271	2	1.77	98	5,240	900	0.109	53.47	5.82	1.043	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
1273	3	1.72	4	169	862	0.005	42.25	0.20	1.000	0.99999
1282	2	3.66	27	1,995	913	0.030	73.89	2.19	1.038	0.99995
1284	3	2.45	3	147	859	0.003	49.00	0.17	1.000	0.99999
1312	1	1.42	1	85	904	0.001	85.00	0.09	1.000	0.99999
1451	2	1.42	17	735	512	0.033	43.24	1.44	1.000	0.99997
1452	2	1.09	2	65	441	0.005	32.50	0.15	1.000	0.99999
1453	2	2.77	2	166	1,759	0.001	83.00	0.09	1.000	0.99999
1521	2	6.35	243	40,834	691	0.352	168.04	59.09	2.641	0.99863
1521	2	6.35	243	40,834	691	0.352	168.04	59.09	1.609	0.99863
1841	1	3.67	250	55,000	1,303	0.192	220.00	42.21	1.000	0.99902
1843	5	5.93	65	4,756	1,047	0.062	73.17	4.54	1.548	0.99989
2091	1	2.02	481	58,201	854	0.563	121.00	68.15	1.000	0.99842
2211	2	2.40	2	144	718	0.003	72.00	0.20	1.000	0.99999
2621	1	1.30	1	78	1,108	0.001	78.00	0.07	1.000	0.99999
2622	1	1.65	6	594	112	0.054	99.00	5.30	1.000	0.99988
2951	1	0.90	1	54	1,336	0.001	54.00	0.04	1.000	0.99999
2962	1	1.15	1	69	244	0.004	69.00	0.28	1.000	0.99999
3041	1	2.13	1	128	76	0.013	128.00	1.68	1.000	0.99996
3121	2	1.29	90	3,597	1,064	0.085	39.97	3.38	1.011	0.99992
3122	2	4.23	4	656	831	0.005	164.00	0.79	1.000	0.99998
3123	2	2.18	2	131	697	0.003	65.50	0.19	1.000	0.99999
3181	3	2.15	3	129	697	0.004	43.00	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
3222	7	16.96	629	63,522	747	0.842	100.99	85.04	1.018	0.99803
3304	4	8.58	118	10,404	958	0.123	88.17	10.86	1.017	0.99975
3311	1	1.42	8	680	700	0.011	85.00	0.97	1.000	0.99998
3313	1	0.80	1	48	919	0.001	48.00	0.05	1.000	0.99999
3314	1	0.92	20	1,100	221	0.090	55.00	4.98	1.000	0.99988
3315	2	3.18	30	3,190	1,361	0.022	106.33	2.34	1.000	0.99995
3421	1	0.37	1	22	665	0.002	22.00	0.03	1.000	0.99999
3422	2	2.68	2	161	952	0.002	80.50	0.17	2.000	0.99999
3472	6	12.13	170	9,529	1,514	0.112	56.05	6.29	1.037	0.99985
3591	2	2.70	6	418	1,095	0.005	69.67	0.38	1.000	0.99999
3621	1	1.65	1	99	1,538	0.001	99.00	0.06	1.000	0.99999
3661	2	3.96	130	8,846	1,084	0.120	68.05	8.16	1.000	0.99981
3671	1	1.97	52	6,136	1,091	0.048	118.00	5.62	1.000	0.99987
3692	1	2.48	4	596	402	0.010	149.00	1.48	1.000	0.99997
3694	1	2.33	1	140	1,211	0.001	140.00	0.12	1.000	0.99999
3701	3	6.15	58	4,725	462	0.126	81.47	10.23	1.074	0.99976
3702	1	3.63	1	218	589	0.002	218.00	0.37	1.000	0.99999
3751	1	0.48	4	116	1,145	0.003	29.00	0.10	1.000	0.99999
3871	1	0.55	1	33	1,359	0.001	33.00	0.02	1.000	0.99999
3873	5	7.90	369	48,913	1,907	0.193	132.56	25.65	1.028	0.99941
3891	4	8.98	413	21,003	408	1.012	50.85	51.48	1.027	0.99881
3892	1	0.87	1	52	444	0.002	52.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3893	4	5.22	268	16,615	769	0.349	62.00	21.61	1.023	0.99950
3894	1	0.78	1	47	110	0.009	47.00	0.43	1.000	0.99999
3903	1	1.90	28	3,192	285	0.098	114.00	11.20	1.000	0.99974
3913	5	5.94	123	8,580	1,304	0.094	69.76	6.58	1.242	0.99985
3914	1	1.42	48	4,080	699	0.069	85.00	5.84	1.000	0.99986
3951	4	5.40	158	16,866	1,061	0.149	106.75	15.90	1.053	0.99963
3952	1	2.28	1	137	369	0.003	137.00	0.37	1.000	0.99999
3971	2	2.90	2	174	642	0.003	87.00	0.27	1.000	0.99999
3981	5	9.21	53	5,017	1,271	0.042	94.66	3.95	1.060	0.99991
3982	7	10.14	374	27,453	1,725	0.217	73.40	15.91	1.000	0.99963
3991	7	18.36	71	12,690	694	0.102	178.73	18.29	1.060	0.99958
3992	1	1.83	6	660	161	0.037	110.00	4.10	1.000	0.99991
401	1	0.85	1	51	109	0.009	51.00	0.47	1.000	0.99999
403	1	1.00	1	60	258	0.004	60.00	0.23	1.000	0.99999
404	2	1.75	166	11,006	166	1.000	66.30	66.30	1.025	0.99847
4091	2	3.55	4	429	1,130	0.004	107.25	0.38	1.000	0.99999
4101	1	0.87	2	104	567	0.004	52.00	0.18	1.000	0.99999
4102	2	4.33	6	1,160	852	0.007	193.33	1.36	1.200	0.99997
4131	3	5.53	168	23,643	183	0.918	140.73	129.20	1.024	0.99701
4133	1	2.58	1	155	312	0.003	155.00	0.50	1.000	0.99999
4134	3	8.60	11	3,188	823	0.013	289.82	3.87	1.222	0.99991
4138	1	2.83	20	3,400	707	0.028	170.00	4.81	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
4142	2	3.73	41	5,801	569	0.072	141.49	10.20	1.000	0.99976
4151	1	1.42	1	85	1,231	0.001	85.00	0.07	1.000	0.99999
4152	1	1.37	1	82	744	0.001	82.00	0.11	1.000	0.99999
4153	1	0.50	936	28,080	1,194	0.784	30.00	23.52	1.000	0.99946
4154	1	0.70	16	672	1,068	0.015	42.00	0.63	1.000	0.99999
4155	4	6.36	2,022	65,482	2,016	1.003	32.38	32.48	1.019	0.99925
4171	6	7.21	2,266	124,473	1,115	2.032	54.93	111.63	2.051	0.99742
4172	1	1.40	28	2,352	1,632	0.017	84.00	1.44	1.000	0.99997
4182	1	2.18	1	131	982	0.001	131.00	0.13	1.000	0.99999
4211	2	1.48	19	752	1,264	0.015	39.58	0.59	1.056	0.99999
4212	3	2.74	827	43,906	785	1.054	53.09	55.93	1.060	0.99871
4221	9	16.02	172	29,572	477	0.361	171.93	62.00	1.049	0.99856
4222	3	1.70	10	424	1,594	0.006	42.40	0.27	1.000	0.99999
4302	2	1.65	3	181	641	0.005	60.33	0.28	1.000	0.99999
4303	1	0.83	11	550	829	0.013	50.00	0.66	1.000	0.99998
4313	1	1.73	15	1,560	519	0.029	104.00	3.01	1.000	0.99993
4324	10	5.46	10	327	1,054	0.009	32.70	0.31	1.000	0.99999
4331	3	13.77	17	4,200	293	0.058	247.06	14.33	1.063	0.99967
4341	2	1.00	8	288	1,942	0.004	36.00	0.15	1.143	0.99999
4342	2	2.63	28	2,420	1,688	0.017	86.43	1.43	1.037	0.99997
4343	3	3.70	41	2,080	766	0.054	50.73	2.72	1.025	0.99994
4362	2	3.24	55	5,653	799	0.069	102.78	7.08	1.000	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
4363	1	0.52	19	589	651	0.029	31.00	0.90	1.000	0.99998
4371	2	4.67	2	280	2,227	0.001	140.00	0.13	1.000	0.99999
4432	7	14.50	255	38,774	423	0.603	152.05	91.66	1.861	0.99788
4512	2	2.80	651	90,379	820	0.794	138.83	110.22	1.002	0.99745
5602	4	64.35	7	14,391	490	0.014	2055.86	29.37	1.167	0.99932
5603	4	4.77	36	1,871	1,229	0.029	51.97	1.52	1.059	0.99996
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	260	464.35	15,337	1,364,951	158,658	0.097	89.00	8.60	1.152	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2010 to 5/31/2010
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	1.58	1,374	130,530	1,341	1.025	95.00	97.34	1.000	0.99782
1051	4	4.43	1,233	108,433	1,048	1.177	87.94	103.47	1.162	0.99768
1082	6	13.22	112	34,297	1,308	0.086	306.22	26.22	1.009	0.99941
1091	3	2.95	76	4,307	1,604	0.047	56.67	2.69	1.013	0.99994
1092	7	9.44	140	7,127	1,157	0.121	50.91	6.16	1.007	0.99986
1094	1	1.48	1	89	1,095	0.001	89.00	0.08	1.000	0.99999
1102	2	2.25	51	3,429	626	0.081	67.24	5.48	1.000	0.99988
1141	4	4.82	208	14,682	893	0.233	70.59	16.44	1.000	0.99963
1142	2	4.20	13	978	212	0.061	75.23	4.61	1.083	0.99990
1211	4	5.59	481	53,282	1,457	0.330	110.77	36.57	1.006	0.99918
1213	3	3.02	3	181	536	0.006	60.33	0.34	1.000	0.99999
1225	4	2.78	101	4,987	933	0.108	49.38	5.35	1.020	0.99988
1226	2	1.97	38	2,062	342	0.111	54.26	6.03	1.000	0.99986
1227	4	5.26	195	11,228	1,169	0.167	57.58	9.60	1.032	0.99978
1229	7	6.96	187	11,171	1,995	0.094	59.74	5.60	1.000	0.99987
1230	2	1.10	60	1,980	1,146	0.052	33.00	1.73	1.000	0.99996
1232	1	1.25	1	75	1,158	0.001	75.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	1	0.92	1	55	822	0.001	55.00	0.07	1.000	0.99999
1243	6	6.29	1,267	35,513	1,275	0.994	28.03	27.85	1.026	0.99938
1263	1	0.97	1	58	1,309	0.001	58.00	0.04	1.000	0.99999
1265	3	4.20	3	252	1,298	0.002	84.00	0.19	1.000	0.99999
1267	1	0.77	1	46	68	0.015	46.00	0.68	1.000	0.99998
1273	2	4.01	2	241	862	0.002	120.50	0.28	1.000	0.99999
1282	1	0.88	91	4,823	913	0.100	53.00	5.28	1.000	0.99988
1284	2	1.60	19	1,405	859	0.022	73.95	1.64	1.056	0.99996
1311	1	0.83	5	250	258	0.019	50.00	0.97	1.000	0.99998
1312	1	2.53	1	152	904	0.001	152.00	0.17	1.000	0.99999
1451	2	2.70	9	883	512	0.018	98.11	1.72	1.000	0.99996
1453	5	10.26	1,289	134,663	1,759	0.733	104.47	76.56	1.206	0.99829
1454	5	8.44	1,076	154,108	896	1.201	143.22	172.00	1.213	0.99615
1455	2	1.67	130	6,500	523	0.249	50.00	12.43	2.000	0.99972
1521	6	10.21	696	42,148	691	1.007	60.56	61.00	1.048	0.99863
1522	2	4.20	95	11,877	96	0.990	125.02	123.72	1.011	0.99723
1523	4	4.97	239	12,468	691	0.346	52.17	18.04	1.021	0.99960
1841	3	2.14	115	4,578	1,303	0.088	39.81	3.51	1.691	0.99992
1843	4	8.20	333	42,885	1,047	0.318	128.78	40.96	1.044	0.99908
2051	1	0.85	8	408	157	0.051	51.00	2.60	1.000	0.99994
2052	1	2.85	83	14,193	85	0.976	171.00	166.98	1.000	0.99626
2091	10	38.47	27	8,190	854	0.032	303.33	9.59	1.174	0.99979

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2092	1	0.88	13	689	887	0.015	53.00	0.78	1.000	0.99998
2171	2	1.53	66	3,356	536	0.123	50.85	6.26	1.015	0.99986
2211	2	2.39	5	443	718	0.007	88.60	0.62	1.250	0.99999
2212	5	7.74	1,229	116,854	1,240	0.991	95.08	94.24	3.625	0.99789
2501	1	0.77	1	46	77	0.013	46.00	0.60	1.000	0.99999
2511	3	3.91	19	1,563	606	0.031	82.26	2.58	1.000	0.99994
2621	2	2.42	2	145	1,108	0.002	72.50	0.13	1.000	0.99999
2622	2	7.50	2	450	112	0.018	225.00	4.02	1.000	0.99991
2951	1	0.77	1	46	1,336	0.001	46.00	0.03	1.000	0.99999
2952	2	6.13	9	1,201	144	0.063	133.44	8.34	1.000	0.99981
2961	5	4.37	146	9,928	951	0.154	68.00	10.44	1.106	0.99977
3121	3	3.14	137	10,587	1,064	0.129	77.28	9.95	1.000	0.99978
3122	3	4.64	866	89,470	831	1.042	103.31	107.67	1.032	0.99759
3123	1	1.57	16	1,504	697	0.023	94.00	2.16	1.000	0.99995
3221	10	12.28	157	18,910	1,210	0.130	120.45	15.63	1.033	0.99965
3231	1	0.85	1	51	398	0.003	51.00	0.13	1.000	0.99999
3232	3	3.80	34	2,309	410	0.083	67.91	5.63	1.030	0.99987
3304	5	4.93	297	16,657	958	0.310	56.08	17.39	1.017	0.99961
3313	1	0.38	13	299	919	0.014	23.00	0.33	1.000	0.99999
3314	2	1.80	29	1,566	221	0.131	54.00	7.09	1.000	0.99984
3315	2	5.54	65	13,787	1,361	0.048	212.11	10.13	1.000	0.99977
3421	1	0.45	23	621	665	0.035	27.00	0.93	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
3422	1	3.23	2	388	952	0.002	194.00	0.41	1.000	0.99999
3472	5	5.44	146	9,053	1,514	0.096	62.01	5.98	1.014	0.99987
3551	3	6.51	33	4,981	997	0.033	150.94	5.00	1.065	0.99989
3552	1	1.38	5	415	570	0.009	83.00	0.73	1.000	0.99998
3553	3	4.61	198	23,482	1,007	0.197	118.60	23.32	1.010	0.99948
3592	1	0.73	3	132	1,671	0.002	44.00	0.08	1.000	0.99999
3594	1	1.55	9	837	601	0.015	93.00	1.39	1.000	0.99997
3621	4	6.52	35	4,545	1,538	0.023	129.86	2.96	1.094	0.99993
3661	1	0.53	160	5,120	1,084	0.148	32.00	4.72	1.000	0.99989
3662	4	5.82	4	349	1,090	0.004	87.25	0.32	1.000	0.99999
3671	2	1.04	77	1,487	1,091	0.071	19.31	1.36	1.013	0.99997
3673	3	4.28	207	14,489	259	0.799	70.00	55.94	1.035	0.99875
3693	2	1.97	56	3,304	184	0.304	59.00	17.96	1.000	0.99960
3701	1	1.23	14	1,036	462	0.030	74.00	2.24	1.000	0.99995
3702	1	0.75	34	1,530	589	0.058	45.00	2.60	1.000	0.99994
3751	23	37.78	171	24,341	1,145	0.149	142.35	21.26	1.118	0.99952
3871	4	3.80	208	9,430	1,359	0.153	45.34	6.94	1.056	0.99984
3872	1	0.68	1	41	1,142	0.001	41.00	0.04	1.000	0.99999
3873	10	13.17	2,045	65,054	1,907	1.072	31.81	34.11	1.103	0.99924
3891	2	3.90	14	1,362	408	0.034	97.29	3.34	1.077	0.99993
3893	2	6.35	212	50,043	769	0.276	236.05	65.08	1.000	0.99854
3901	1	0.80	836	40,128	846	0.988	48.00	47.43	1.000	0.99894

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3902	2	1.41	28	1,229	97	0.289	43.89	12.67	1.037	0.99972
3903	1	0.85	281	14,331	285	0.986	51.00	50.28	1.000	0.99887
3912	1	2.08	26	3,250	1,110	0.023	125.00	2.93	1.000	0.99993
3913	2	4.13	496	51,770	1,304	0.380	104.38	39.70	1.000	0.99911
3914	1	1.00	61	3,660	699	0.087	60.00	5.24	1.000	0.99988
3951	4	3.82	152	8,481	1,061	0.143	55.80	7.99	1.048	0.99982
3952	5	6.61	377	21,726	369	1.022	57.63	58.88	1.024	0.99868
3971	1	1.27	18	1,368	642	0.028	76.00	2.13	1.000	0.99995
3981	6	3.79	1,305	12,056	1,271	1.027	9.24	9.49	1.034	0.99979
3982	7	21.89	204	18,447	1,725	0.118	90.43	10.69	1.020	0.99976
3991	4	6.96	16	1,846	694	0.023	115.38	2.66	1.143	0.99994
4091	1	0.97	1	58	1,130	0.001	58.00	0.05	1.000	0.99999
4092	1	0.92	1	55	411	0.002	55.00	0.13	1.000	0.99999
4102	4	6.19	1,677	169,308	852	1.968	100.96	198.72	2.013	0.99555
4132	2	0.87	300	5,040	564	0.532	16.80	8.94	1.042	0.99980
4134	3	5.18	89	10,889	823	0.108	122.35	13.23	1.023	0.99970
4137	2	1.99	77	4,631	806	0.096	60.14	5.75	1.000	0.99987
4138	4	4.81	70	5,408	707	0.099	77.26	7.65	1.000	0.99983
4142	2	3.62	36	4,653	569	0.063	129.25	8.18	1.029	0.99982
4151	4	4.67	80	3,752	1,231	0.065	46.90	3.05	1.026	0.99993
4152	1	1.93	43	4,988	744	0.058	116.00	6.70	1.000	0.99985
4153	2	1.67	15	841	1,194	0.013	56.07	0.70	1.071	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
4155	1	2.40	229	32,976	2,016	0.114	144.00	16.36	1.000	0.99963
4171	9	102.73	114	22,118	1,115	0.102	194.02	19.84	1.036	0.99956
4172	7	9.11	266	25,096	1,632	0.163	94.35	15.38	1.008	0.99966
4181	1	1.33	40	3,200	468	0.085	80.00	6.84	1.000	0.99985
4182	1	1.17	5	350	982	0.005	70.00	0.36	1.000	0.99999
4211	6	10.91	1,310	379,589	1,264	1.036	289.76	300.31	1.048	0.99327
4212	4	5.64	8	462	785	0.010	57.75	0.59	1.000	0.99999
4221	2	4.15	42	9,329	477	0.088	222.12	19.56	1.024	0.99956
4222	2	2.59	41	4,172	1,594	0.026	101.76	2.62	1.025	0.99994
4223	1	1.08	19	1,235	1,004	0.019	65.00	1.23	1.000	0.99997
4301	1	1.55	47	4,371	597	0.079	93.00	7.32	1.000	0.99984
4303	2	2.30	2	138	829	0.002	69.00	0.17	1.000	0.99999
4324	5	9.78	123	15,437	1,054	0.117	125.50	14.65	1.008	0.99967
4332	1	0.87	1	52	279	0.004	52.00	0.19	1.000	0.99999
4333	1	2.65	1	159	481	0.002	159.00	0.33	1.000	0.99999
4341	7	7.62	135	13,483	1,942	0.070	99.87	6.94	1.031	0.99984
4342	3	2.81	51	4,153	1,688	0.030	81.43	2.46	1.020	0.99994
4343	1	0.58	1	35	766	0.001	35.00	0.05	1.000	0.99999
4361	2	1.85	15	774	1,901	0.008	51.60	0.41	1.000	0.99999
4363	5	8.02	64	4,271	651	0.098	66.73	6.56	1.000	0.99985
4371	8	10.06	87	5,560	2,227	0.039	63.91	2.50	1.024	0.99994
4372	5	10.28	5	617	303	0.017	123.40	2.04	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
4385	1	1.42	3	255	1,093	0.003	85.00	0.23	1.000	0.99999
4386	2	2.13	13	722	1,635	0.008	55.54	0.44	1.083	0.99999
4431	6	11.88	68	5,309	1,317	0.052	78.07	4.03	1.063	0.99991
4432	6	10.25	37	2,135	423	0.087	57.70	5.05	1.000	0.99989
4602	4	5.20	254	20,992	935	0.272	82.65	22.45	1.000	0.99950
5602	2	2.30	36	2,484	490	0.073	69.00	5.07	1.000	0.99989
5603	2	2.88	54	3,397	1,229	0.044	62.91	2.76	1.000	0.99994
6021	1	1.02	1	61	660	0.002	61.00	0.09	1.000	0.99999
6022	3	5.10	19	1,217	374	0.051	64.05	3.25	1.118	0.99993
6141	3	6.08	22	1,448	616	0.036	65.82	2.35	1.048	0.99995
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	420	714.49	25,832	2,329,947	157,967	0.164	90.20	14.75	1.131	0.99967

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2010 to 6/30/2010
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	2.62	139	7,919	1,342	0.104	56.97	5.90	1.000	0.99986
1051	2	3.05	24	1,151	1,048	0.023	47.96	1.10	1.043	0.99997
1081	1	1.00	1	60	18	0.056	60.00	3.33	1.000	0.99992
1082	8	10.26	20	1,410	1,310	0.015	70.50	1.08	1.111	0.99998
1091	14	27.81	505	48,326	1,604	0.315	95.70	30.13	1.033	0.99930
1092	2	2.43	30	2,034	1,158	0.026	67.80	1.76	1.000	0.99996
1094	2	2.95	36	2,047	1,098	0.033	56.86	1.86	1.029	0.99996
1102	3	3.15	80	5,052	628	0.127	63.15	8.04	1.000	0.99981
1103	3	4.30	192	10,004	866	0.222	52.10	11.55	1.000	0.99973
1141	2	11.43	899	73,942	893	1.007	82.25	82.80	1.019	0.99808
1142	1	0.73	1	44	212	0.005	44.00	0.21	1.000	0.99999
1211	1	0.85	15	765	1,457	0.010	51.00	0.53	1.000	0.99999
1212	2	2.17	2	130	67	0.030	65.00	1.94	1.000	0.99996
1213	2	3.25	186	13,887	536	0.347	74.66	25.91	1.127	0.99940
1225	1	0.30	43	774	933	0.046	18.00	0.83	1.000	0.99998
1227	1	0.93	12	672	1,170	0.010	56.00	0.57	1.000	0.99999
1229	4	3.17	46	1,492	1,996	0.023	32.43	0.75	1.070	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
1230	4	6.01	1,217	108,226	1,144	1.064	88.93	94.60	1.074	0.99781
1232	4	5.45	51	3,931	1,158	0.044	77.08	3.39	1.020	0.99992
1233	1	0.85	1	51	638	0.002	51.00	0.08	1.000	0.99999
1241	3	2.41	25	1,228	823	0.030	49.12	1.49	1.042	0.99997
1242	3	2.49	24	1,535	670	0.036	63.96	2.29	1.000	0.99995
1243	6	12.71	79	10,605	1,222	0.065	134.24	8.68	1.197	0.99980
1265	1	1.93	57	6,612	1,301	0.044	116.00	5.08	1.000	0.99988
1271	2	7.82	2	469	900	0.002	234.50	0.52	1.000	0.99999
1273	1	3.30	27	5,346	862	0.031	198.00	6.20	1.000	0.99986
1284	1	1.03	31	1,922	860	0.036	62.00	2.23	1.000	0.99995
1286	1	1.58	42	3,990	40	1.050	95.00	99.75	1.000	0.99769
1311	5	16.37	358	97,039	258	1.388	271.06	376.12	3.476	0.99129
1312	11	38.16	1,033	57,314	904	1.143	55.48	63.40	1.153	0.99853
1451	2	1.83	87	4,728	512	0.170	54.34	9.23	1.000	0.99979
1452	1	5.92	1	355	442	0.002	355.00	0.80	1.000	0.99998
1453	3	2.18	16	612	1,760	0.009	38.25	0.35	1.067	0.99999
1454	1	1.07	178	11,392	898	0.198	64.00	12.69	1.000	0.99971
1521	3	4.98	19	2,109	691	0.027	111.00	3.05	1.056	0.99993
1522	4	14.50	10	1,434	96	0.104	143.40	14.94	1.429	0.99965
1523	2	4.25	5	729	691	0.007	145.80	1.05	1.250	0.99998
1841	2	2.00	70	5,118	1,305	0.054	73.11	3.92	1.000	0.99991
1842	3	4.39	28	2,564	262	0.107	91.57	9.79	1.077	0.99977

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1843	3	4.73	15	1,388	1,047	0.014	92.53	1.33	1.000	0.99997
2051	4	3.55	315	17,808	158	1.994	56.53	112.71	2.006	0.99739
2052	1	0.55	83	2,739	85	0.976	33.00	32.22	1.000	0.99925
2091	1	2.07	167	20,708	854	0.196	124.00	24.25	1.000	0.99944
2092	1	1.20	9	648	886	0.010	72.00	0.73	1.000	0.99998
2172	1	1.87	1	112	216	0.005	112.00	0.52	1.000	0.99999
2211	6	14.87	709	28,522	718	0.987	40.23	39.72	1.133	0.99908
2212	5	6.64	96	7,151	1,242	0.077	74.49	5.76	1.079	0.99987
2501	2	2.43	4	246	77	0.052	61.50	3.19	1.333	0.99993
2621	3	4.48	1,417	155,877	1,108	1.279	110.00	140.68	1.285	0.99674
2622	3	4.54	127	13,571	112	1.134	106.86	121.17	1.124	0.99720
2951	7	9.66	145	36,527	1,337	0.108	251.91	27.32	1.028	0.99937
2961	5	9.66	1,018	73,782	954	1.067	72.48	77.34	1.078	0.99821
2962	2	2.18	231	15,593	246	0.939	67.50	63.39	1.111	0.99853
3121	6	6.73	131	7,811	1,066	0.123	59.63	7.33	1.040	0.99983
3122	1	2.95	20	3,540	831	0.024	177.00	4.26	1.000	0.99990
3123	1	1.12	1	67	696	0.001	67.00	0.10	1.000	0.99999
3181	2	2.33	10	516	697	0.014	51.60	0.74	1.111	0.99998
3221	6	25.22	1,227	269,088	1,210	1.014	219.31	222.39	1.113	0.99485
3222	5	6.03	649	29,743	748	0.868	45.83	39.76	1.027	0.99908
3231	2	2.83	7	680	399	0.018	97.14	1.70	1.167	0.99996
3232	3	18.98	3	1,139	410	0.007	379.67	2.78	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
3302	3	3.27	41	3,103	749	0.055	75.68	4.14	1.025	0.99990
3304	4	2.98	109	5,455	958	0.114	50.05	5.69	1.019	0.99987
3311	1	0.68	174	7,134	716	0.243	41.00	9.96	1.000	0.99977
3313	1	0.32	1	19	920	0.001	19.00	0.02	1.000	0.99999
3314	2	3.68	225	13,958	221	1.018	62.04	63.16	1.077	0.99854
3315	2	1.25	9	271	1,435	0.006	30.11	0.19	1.000	0.99999
3421	4	12.06	4	724	665	0.006	181.00	1.09	1.000	0.99997
3422	1	1.23	1	74	952	0.001	74.00	0.08	1.000	0.99999
3471	1	3.23	25	4,850	158	0.158	194.00	30.70	1.000	0.99929
3472	7	10.76	244	14,323	1,514	0.161	58.70	9.46	1.047	0.99978
3551	3	1.82	13	889	998	0.013	68.38	0.89	1.000	0.99998
3552	1	1.50	82	7,380	570	0.144	90.00	12.95	1.000	0.99970
3553	3	2.52	11	783	1,008	0.011	71.18	0.78	1.000	0.99998
3592	8	10.05	145	10,439	1,672	0.087	71.99	6.24	1.014	0.99986
3593	1	0.83	23	1,150	928	0.025	50.00	1.24	1.000	0.99997
3621	4	4.63	1,542	50,114	1,538	1.003	32.50	32.58	1.009	0.99925
3661	7	9.11	343	23,164	1,084	0.316	67.53	21.37	1.103	0.99951
3662	5	6.48	55	3,563	1,094	0.050	64.78	3.26	1.774	0.99992
3671	3	1.81	207	7,521	1,092	0.190	36.33	6.89	1.045	0.99984
3675	2	3.60	13	711	413	0.031	54.69	1.72	1.083	0.99996
3691	4	11.40	23	2,426	1,352	0.017	105.48	1.79	1.353	0.99996
3692	1	2.88	1	173	402	0.002	173.00	0.43	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
3701	3	2.02	22	1,109	463	0.048	50.41	2.40	1.100	0.99994
3702	2	1.68	18	853	590	0.031	47.39	1.45	1.059	0.99997
3751	1	3.13	1	188	1,146	0.001	188.00	0.16	1.000	0.99999
3872	3	4.71	48	6,108	1,142	0.042	127.25	5.35	1.021	0.99988
3873	3	5.05	466	77,933	1,906	0.244	167.24	40.89	1.054	0.99905
3891	2	2.30	2	138	408	0.005	69.00	0.34	1.000	0.99999
3892	1	4.47	47	12,596	445	0.106	268.00	28.31	1.000	0.99934
3893	8	7.47	330	24,017	770	0.429	72.78	31.19	1.015	0.99928
3901	2	3.90	6	398	848	0.007	66.33	0.47	1.000	0.99999
3902	1	1.42	15	1,275	97	0.155	85.00	13.14	1.000	0.99970
3903	1	1.05	1	63	285	0.004	63.00	0.22	1.000	0.99999
3912	4	9.27	1,065	89,680	1,110	0.959	84.21	80.79	1.003	0.99813
3913	1	2.72	1	163	1,306	0.001	163.00	0.12	1.000	0.99999
3914	2	3.28	96	10,208	700	0.137	106.33	14.58	1.000	0.99966
3951	3	8.12	49	7,371	1,062	0.046	150.43	6.94	1.021	0.99984
3952	2	1.75	2	105	370	0.005	52.50	0.28	1.000	0.99999
3971	4	12.22	29	5,308	642	0.045	183.03	8.27	1.115	0.99981
3981	4	4.08	60	5,931	1,272	0.047	98.85	4.66	1.034	0.99989
3982	11	17.76	421	31,287	1,726	0.244	74.32	18.13	1.231	0.99958
3991	4	12.53	7	1,361	696	0.010	194.43	1.96	1.400	0.99995
403	1	2.13	1	128	258	0.004	128.00	0.50	1.000	0.99999
4031	4	5.45	18	1,403	636	0.028	77.94	2.21	1.059	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
4091	3	1.96	89	4,074	1,130	0.079	45.78	3.61	1.011	0.99992
4092	1	2.90	4	696	411	0.010	174.00	1.69	1.000	0.99996
4101	1	1.10	79	5,214	570	0.139	66.00	9.15	1.000	0.99979
4134	1	1.23	1	74	824	0.001	74.00	0.09	1.000	0.99999
4136	1	1.73	1	104	664	0.002	104.00	0.16	1.000	0.99999
4137	2	12.38	2	743	807	0.002	371.50	0.92	2.000	0.99998
4138	4	6.90	31	3,970	706	0.044	128.06	5.62	1.069	0.99987
4141	2	6.43	43	12,194	80	0.538	283.58	152.43	1.024	0.99647
4142	3	8.18	46	7,243	570	0.081	157.46	12.71	1.000	0.99971
4151	6	7.72	1,747	145,615	1,232	1.418	83.35	118.19	4.282	0.99726
4152	3	3.58	45	3,113	745	0.060	69.18	4.18	1.047	0.99990
4153	1	7.53	33	14,916	1,196	0.028	452.00	12.47	1.000	0.99971
4154	5	31.81	2,198	586,510	1,069	2.056	266.84	548.65	2.052	0.98730
4155	8	24.51	5,395	535,810	2,017	2.675	99.32	265.65	2.699	0.99385
4171	5	9.61	276	41,758	1,115	0.248	151.30	37.45	1.007	0.99913
4172	9	14.11	192	26,610	1,635	0.117	138.59	16.28	1.021	0.99962
4173	1	4.33	42	10,920	603	0.070	260.00	18.11	1.000	0.99958
4182	1	5.50	1	330	983	0.001	330.00	0.34	1.000	0.99999
4211	4	7.27	186	17,318	1,265	0.147	93.11	13.69	1.000	0.99968
4212	7	7.18	888	80,897	786	1.130	91.10	102.92	1.137	0.99762
4221	3	3.94	398	34,369	476	0.836	86.35	72.20	1.026	0.99833
4222	5	7.37	143	16,673	1,594	0.090	116.59	10.46	1.075	0.99976

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4223	3	2.47	619	26,559	1,004	0.617	42.91	26.45	1.144	0.99939
4301	1	0.62	1	37	598	0.002	37.00	0.06	1.000	0.99999
4302	1	5.15	73	22,557	641	0.114	309.00	35.19	1.000	0.99919
4303	4	7.64	831	125,829	832	0.999	151.42	151.24	2.638	0.99650
4311	2	3.87	50	2,392	895	0.056	47.84	2.67	1.020	0.99994
4312	1	1.40	1	84	972	0.001	84.00	0.09	1.000	0.99999
4313	1	0.20	1	12	524	0.002	12.00	0.02	1.000	0.99999
4324	13	10.87	71	2,450	1,056	0.067	34.51	2.32	1.183	0.99995
4341	18	37.70	2,088	170,837	1,942	1.075	81.82	87.97	1.129	0.99796
4342	7	14.96	3,449	300,679	1,688	2.043	87.18	178.13	2.055	0.99588
4343	3	3.28	855	65,522	766	1.116	76.63	85.54	1.116	0.99802
4361	1	0.83	1	50	1,901	0.001	50.00	0.03	1.000	0.99999
4363	1	1.17	7	490	652	0.011	70.00	0.75	1.000	0.99998
4371	8	9.00	136	7,462	2,227	0.061	54.87	3.35	1.015	0.99992
4372	5	6.69	37	2,307	358	0.103	62.35	6.44	1.156	0.99985
4385	2	3.79	118	19,297	1,098	0.107	163.53	17.57	1.000	0.99959
4386	2	2.20	11	762	1,638	0.007	69.27	0.47	1.000	0.99999
4431	11	39.82	98	17,747	1,318	0.074	181.09	13.47	1.065	0.99969
4432	4	6.97	11	817	424	0.026	74.27	1.93	1.000	0.99996
4511	1	1.08	16	1,040	1,112	0.014	65.00	0.94	1.000	0.99998
4601	1	0.23	57	798	57	1.000	14.00	14.00	1.000	0.99968
4602	7	10.26	1,897	109,100	935	2.029	57.51	116.68	2.080	0.99730

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
5601	1	0.82	13	637	84	0.155	49.00	7.58	1.000	0.99982
5602	2	4.45	29	3,357	490	0.059	115.76	6.85	1.000	0.99984
5603	3	3.82	138	10,861	1,230	0.112	78.70	8.83	1.000	0.99980
6021	1	0.52	18	558	660	0.027	31.00	0.85	1.000	0.99998
6022	1	1.05	405	25,515	374	1.083	63.00	68.22	1.000	0.99842
6141	1	1.43	4	344	616	0.006	86.00	0.56	1.000	0.99999
6142	2	7.41	76	16,910	292	0.260	222.50	57.91	1.000	0.99866
6143	1	1.48	39	3,471	369	0.106	89.00	9.41	1.000	0.99978
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	506	937.30	40,963	4,107,753	158,217	0.259	100.28	25.96	1.353	0.99940

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2010 to 7/31/2010
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	1.92	63	4,060	1,342	0.047	64.44	3.03	1.000	0.99993
1051	1	1.17	1	70	1,049	0.001	70.00	0.07	1.000	0.99999
1082	8	11.56	75	5,680	1,313	0.057	75.73	4.33	1.000	0.99990
1091	7	6.21	27	992	1,605	0.017	36.74	0.62	1.000	0.99999
1092	5	4.07	26	1,315	1,158	0.022	50.58	1.14	1.083	0.99997
1093	1	1.47	1	88	215	0.005	88.00	0.41	1.000	0.99999
1094	3	4.08	39	3,125	1,100	0.035	80.13	2.84	1.000	0.99994
1103	2	2.09	2	125	866	0.002	62.50	0.14	1.000	0.99999
1141	12	18.41	2,023	168,932	893	2.265	83.51	189.17	2.294	0.99576
1211	2	3.33	15	1,006	1,457	0.010	67.07	0.69	1.000	0.99998
1213	1	2.52	1	151	537	0.002	151.00	0.28	1.000	0.99999
1225	6	1.33	384	5,883	933	0.412	15.32	6.31	1.000	0.99986
1226	2	0.97	293	3,348	343	0.854	11.43	9.76	1.039	0.99978
1227	2	2.65	113	9,483	1,170	0.097	83.92	8.11	1.009	0.99982
1228	3	2.43	597	8,214	493	1.211	13.76	16.66	1.236	0.99963
1229	4	3.51	79	5,036	1,996	0.040	63.75	2.52	1.000	0.99994
1230	1	0.40	1	24	1,142	0.001	24.00	0.02	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
1232	1	1.72	1	103	1,159	0.001	103.00	0.09	1.000	0.99999
1241	4	4.56	899	55,707	824	1.091	61.97	67.61	1.072	0.99849
1242	2	2.63	7	848	670	0.010	121.14	1.27	1.000	0.99997
1243	4	4.49	15	797	1,168	0.013	53.13	0.68	1.000	0.99998
1263	1	0.57	81	2,754	1,309	0.062	34.00	2.10	1.000	0.99995
1265	1	0.67	12	480	1,304	0.009	40.00	0.37	1.000	0.99999
1271	1	0.57	1	34	901	0.001	34.00	0.04	1.000	0.99999
1273	3	3.00	102	3,485	863	0.118	34.17	4.04	1.030	0.99991
1282	2	4.45	2	267	914	0.002	133.50	0.29	1.000	0.99999
1284	2	5.35	853	170,521	860	0.992	199.91	198.28	1.001	0.99556
1285	4	12.14	454	68,554	1,059	0.429	151.00	64.73	1.376	0.99855
1312	2	3.65	2	219	904	0.002	109.50	0.24	1.000	0.99999
1451	3	3.14	38	2,351	512	0.074	61.87	4.59	1.000	0.99990
1452	1	3.65	3	657	442	0.007	219.00	1.49	1.000	0.99997
1453	2	46.88	6	2,933	1,762	0.003	488.83	1.66	1.200	0.99996
1454	1	2.45	1	147	899	0.001	147.00	0.16	1.000	0.99999
1455	1	1.52	32	2,912	525	0.061	91.00	5.55	1.000	0.99988
1521	1	2.07	1	124	691	0.001	124.00	0.18	1.000	0.99999
1523	4	9.15	9	934	691	0.013	103.78	1.35	1.000	0.99997
1841	4	8.17	1,547	184,999	1,307	1.184	119.59	141.54	1.183	0.99683
1842	9	83.36	102	15,004	263	0.388	147.10	57.05	1.030	0.99872
1843	2	3.33	22	3,200	1,047	0.021	145.45	3.06	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
2051	1	1.30	1	78	158	0.006	78.00	0.49	1.000	0.99999
2091	2	5.00	19	1,515	855	0.022	79.74	1.77	1.000	0.99996
2092	1	3.20	1	192	886	0.001	192.00	0.22	1.000	0.99999
2172	1	2.98	1	179	216	0.005	179.00	0.83	1.000	0.99998
2211	2	7.83	21	3,076	718	0.029	146.48	4.28	1.000	0.99990
2212	7	10.20	1,356	185,408	1,244	1.090	136.73	149.04	1.131	0.99666
2511	1	3.75	1	225	606	0.002	225.00	0.37	1.000	0.99999
2621	4	7.99	55	5,963	1,109	0.050	108.42	5.38	1.618	0.99988
2951	1	0.70	1,308	54,936	1,338	0.978	42.00	41.06	1.000	0.99908
2961	1	2.65	125	19,875	958	0.130	159.00	20.75	1.000	0.99954
3081	2	1.65	2	99	561	0.004	49.50	0.18	1.000	0.99999
3082	1	0.85	8	408	319	0.025	51.00	1.28	1.000	0.99997
3121	4	8.22	63	6,103	1,067	0.059	96.87	5.72	1.000	0.99987
3122	1	1.05	1	63	831	0.001	63.00	0.08	1.000	0.99999
3181	1	0.60	706	25,416	697	1.013	36.00	36.46	1.000	0.99918
3221	1	1.97	3	354	1,211	0.002	118.00	0.29	1.000	0.99999
3222	1	1.13	1	68	749	0.001	68.00	0.09	1.000	0.99999
3231	2	2.27	399	35,072	400	0.998	87.90	87.68	1.003	0.99804
3232	1	2.77	426	70,716	411	1.036	166.00	172.06	1.000	0.99615
3304	9	17.96	1,284	236,782	958	1.340	184.41	247.16	1.235	0.99446
3311	2	2.76	21	1,719	733	0.029	81.86	2.35	1.000	0.99995
3314	1	2.50	1	150	221	0.005	150.00	0.68	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
3315	4	20.23	1,140	469,620	1,509	0.755	411.95	311.21	6.162	0.99303
3421	2	1.65	656	38,031	665	0.986	57.97	57.19	1.002	0.99872
3471	2	2.72	26	2,539	158	0.165	97.65	16.07	1.000	0.99964
3472	8	10.79	231	11,086	1,514	0.153	47.99	7.32	1.045	0.99984
3551	3	4.59	15	1,931	998	0.015	128.73	1.93	1.000	0.99996
3552	1	0.98	7	413	569	0.012	59.00	0.73	1.000	0.99998
3591	2	6.05	44	6,676	1,098	0.040	151.73	6.08	1.000	0.99986
3592	2	2.88	5	506	1,674	0.003	101.20	0.30	1.000	0.99999
3593	5	5.94	132	15,071	928	0.142	114.17	16.24	1.179	0.99964
3594	1	1.07	18	1,152	607	0.030	64.00	1.90	1.000	0.99996
3621	5	9.47	232	52,685	1,538	0.151	227.09	34.26	1.018	0.99923
3662	3	5.66	29	2,667	1,097	0.026	91.97	2.43	1.000	0.99995
3663	1	0.63	1	38	285	0.004	38.00	0.13	1.000	0.99999
3671	2	1.23	128	5,144	1,093	0.117	40.19	4.71	1.000	0.99989
3673	1	0.85	253	12,903	259	0.977	51.00	49.82	1.000	0.99888
3675	2	2.17	436	24,220	413	1.056	55.55	58.64	1.028	0.99869
3691	2	3.10	48	2,302	1,358	0.035	47.96	1.70	1.000	0.99996
3694	5	6.38	75	4,911	1,217	0.062	65.48	4.04	1.000	0.99991
3701	1	0.82	486	23,814	464	1.047	49.00	51.32	1.000	0.99885
3702	2	1.98	2	119	591	0.003	59.50	0.20	1.000	0.99999
3751	2	6.27	415	101,148	1,147	0.362	243.73	88.18	1.002	0.99802
3871	8	12.27	54	5,650	1,359	0.040	104.63	4.16	1.019	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
3872	6	9.51	122	7,967	1,143	0.107	65.30	6.97	2.346	0.99984
3873	7	6.03	179	10,262	1,906	0.094	57.33	5.38	1.455	0.99988
3891	1	1.45	9	783	408	0.022	87.00	1.92	1.000	0.99996
3893	7	9.78	1,166	56,072	770	1.514	48.09	72.82	1.540	0.99837
3901	4	8.43	853	77,228	849	1.005	90.54	90.96	1.019	0.99796
3902	1	1.40	95	7,980	97	0.979	84.00	82.27	1.000	0.99816
3903	2	2.91	288	25,611	285	1.011	88.93	89.86	1.025	0.99799
3912	2	6.30	39	8,999	1,111	0.035	230.74	8.10	1.000	0.99982
3913	5	12.29	2,148	212,721	1,307	1.643	99.03	162.76	1.660	0.99635
3914	4	13.41	723	78,413	701	1.031	108.46	111.86	1.073	0.99749
3951	5	8.77	171	15,532	1,062	0.161	90.83	14.63	1.012	0.99967
3952	1	1.65	1	99	370	0.003	99.00	0.27	1.000	0.99999
3971	3	7.56	36	3,708	643	0.056	103.00	5.77	1.000	0.99987
3982	5	14.48	168	29,803	1,726	0.097	177.40	17.27	1.050	0.99961
3991	7	15.66	41	5,687	697	0.059	138.71	8.16	1.000	0.99982
407	1	0.38	1	23	98	0.010	23.00	0.23	1.000	0.99999
4091	7	12.31	46	4,307	1,130	0.041	93.63	3.81	1.643	0.99991
4092	2	1.76	13	797	411	0.032	61.31	1.94	1.083	0.99996
4101	2	5.57	59	12,874	572	0.103	218.20	22.51	1.017	0.99950
4102	5	13.04	914	66,199	850	1.075	72.43	77.88	1.100	0.99826
4131	1	1.15	165	11,385	184	0.897	69.00	61.88	1.000	0.99861
4132	1	1.25	461	34,575	564	0.817	75.00	61.30	1.000	0.99863

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4134	2	0.28	71	630	826	0.086	8.87	0.76	1.000	0.99998
4136	1	0.88	1	53	665	0.002	53.00	0.08	1.000	0.99999
4137	3	2.58	670	48,862	808	0.829	72.93	60.47	1.028	0.99865
4138	3	6.68	61	7,702	704	0.087	126.26	10.94	1.000	0.99975
4142	3	5.78	29	3,363	570	0.051	115.97	5.90	1.036	0.99987
4151	2	5.77	466	114,314	1,232	0.378	245.31	92.79	1.000	0.99792
4152	2	3.07	44	3,964	746	0.059	90.09	5.31	1.023	0.99988
4153	2	3.80	15	774	1,199	0.013	51.60	0.65	1.000	0.99999
4154	1	3.60	1,073	231,768	1,070	1.003	216.00	216.61	1.000	0.99515
4155	1	1.98	1	119	2,018	0.000	119.00	0.06	1.000	0.99999
4171	6	4.56	67	3,592	1,115	0.060	53.61	3.22	1.015	0.99993
4172	5	5.57	211	16,090	1,638	0.129	76.26	9.82	1.361	0.99978
4173	1	0.72	1	43	603	0.002	43.00	0.07	1.000	0.99999
4181	1	1.65	1	99	467	0.002	99.00	0.21	1.000	0.99999
4211	3	2.85	48	2,691	1,266	0.038	56.06	2.13	1.000	0.99995
4212	3	7.44	44	9,205	787	0.056	209.20	11.70	1.023	0.99974
4221	1	2.07	11	1,364	475	0.023	124.00	2.87	1.000	0.99994
4222	7	6.77	88	6,124	1,595	0.055	69.59	3.84	1.000	0.99991
4223	5	5.40	460	39,544	1,004	0.458	85.97	39.39	1.303	0.99912
4224	2	3.66	729	113,508	676	1.078	155.70	167.91	1.083	0.99624
4302	1	0.93	7	392	641	0.011	56.00	0.61	1.000	0.99999
4303	2	6.03	2	362	835	0.002	181.00	0.43	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	3.42	8	820	896	0.009	102.50	0.92	2.000	0.99998
4313	1	1.17	1	70	530	0.002	70.00	0.13	1.000	0.99999
4324	2	4.44	60	6,066	1,058	0.057	101.10	5.73	1.000	0.99987
4342	6	9.50	96	8,229	1,688	0.057	85.72	4.88	1.000	0.99989
4361	4	7.02	85	8,442	1,901	0.045	99.32	4.44	1.000	0.99990
4362	3	3.24	65	2,698	801	0.081	41.51	3.37	1.000	0.99992
4363	5	3.68	191	4,690	652	0.293	24.55	7.19	1.005	0.99984
4371	7	14.02	112	9,961	2,227	0.050	88.94	4.47	1.047	0.99990
4372	4	4.66	122	8,001	414	0.295	65.58	19.33	1.768	0.99957
4386	2	4.71	16	2,264	1,641	0.010	141.50	1.38	2.000	0.99997
4431	6	8.05	67	4,072	1,319	0.051	60.78	3.09	1.000	0.99993
4432	3	5.34	83	6,376	425	0.195	76.82	15.00	1.012	0.99966
4511	4	4.63	1,107	53,822	1,112	0.996	48.62	48.40	1.010	0.99892
4512	1	0.80	679	32,592	846	0.803	48.00	38.52	1.000	0.99914
4513	1	0.78	567	26,649	572	0.991	47.00	46.59	1.000	0.99896
5602	1	4.15	1	249	491	0.002	249.00	0.51	1.000	0.99999
6141	2	4.62	12	2,507	616	0.019	208.92	4.07	1.091	0.99991
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	418	794.09	33,236	3,618,681	158,465	0.210	108.88	22.84	1.143	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2010 to 8/31/2010
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	1	2.72	6	978	1,343	0.004	163.00	0.73	1.000	0.99998
1051	10	34.97	1,085	177,198	1,049	1.034	163.32	168.92	1.046	0.99622
1081	2	2.00	2	120	18	0.111	60.00	6.67	2.000	0.99985
1082	6	9.08	153	11,851	1,290	0.119	77.46	9.19	1.048	0.99979
1091	6	13.41	150	17,653	1,605	0.093	117.69	11.00	1.056	0.99975
1092	5	5.38	52	2,966	1,158	0.045	57.04	2.56	1.000	0.99994
1093	2	2.02	51	3,166	216	0.236	62.08	14.66	1.000	0.99967
1094	3	4.47	129	11,356	1,102	0.117	88.03	10.30	1.000	0.99977
1102	1	3.08	1	185	630	0.002	185.00	0.29	1.000	0.99999
1103	1	4.02	96	23,136	866	0.111	241.00	26.72	1.000	0.99940
1211	5	11.45	20	3,524	1,457	0.014	176.20	2.42	1.000	0.99995
1213	3	9.00	170	23,211	538	0.316	136.54	43.14	1.030	0.99903
1225	1	1.00	1	60	933	0.001	60.00	0.06	1.000	0.99999
1226	5	8.96	24	2,986	344	0.070	124.42	8.68	1.043	0.99981
1227	3	9.85	68	22,439	1,170	0.058	329.99	19.18	1.000	0.99957
1228	1	2.08	10	1,250	495	0.020	125.00	2.53	1.000	0.99994
1229	8	19.80	2,251	356,045	1,996	1.128	158.17	178.38	1.136	0.99600

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1230	2	2.54	2	152	1,144	0.002	76.00	0.13	1.000	0.99999
1232	4	14.44	308	99,990	1,159	0.266	324.64	86.27	1.041	0.99807
1233	1	1.73	13	1,352	638	0.020	104.00	2.12	1.000	0.99995
1241	1	0.87	1	52	824	0.001	52.00	0.06	1.000	0.99999
1243	1	3.05	21	3,843	1,170	0.018	183.00	3.28	1.000	0.99993
1261	2	2.00	395	16,626	382	1.034	42.09	43.52	1.003	0.99903
1263	11	20.17	282	22,137	1,309	0.215	78.50	16.91	1.041	0.99962
1265	4	9.17	161	14,517	1,306	0.123	90.17	11.12	1.000	0.99975
1273	5	9.41	26	3,345	863	0.030	128.65	3.88	1.000	0.99991
1282	2	4.30	2	258	912	0.002	129.00	0.28	1.000	0.99999
1283	2	0.53	2	32	347	0.006	16.00	0.09	1.000	0.99999
1284	1	4.18	852	213,852	860	0.991	251.00	248.67	1.000	0.99443
1453	2	1.08	201	6,935	1,762	0.114	34.50	3.94	1.000	0.99991
1454	3	2.38	155	3,791	901	0.172	24.46	4.21	1.006	0.99991
1455	2	9.00	32	9,360	526	0.061	292.50	17.79	1.000	0.99960
1841	1	1.23	14	1,036	1,308	0.011	74.00	0.79	1.000	0.99998
1843	2	5.30	19	4,466	1,050	0.018	235.05	4.25	1.000	0.99990
2051	1	1.22	1	73	158	0.006	73.00	0.46	1.000	0.99999
2091	1	1.65	1	99	856	0.001	99.00	0.12	1.000	0.99999
2171	2	1.30	21	914	541	0.039	43.52	1.69	1.050	0.99996
2211	4	5.27	76	6,458	718	0.106	84.97	8.99	1.041	0.99980
2212	1	1.00	16	960	1,245	0.013	60.00	0.77	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
2621	3	4.55	32	3,080	1,110	0.029	96.25	2.77	1.000	0.99994
2622	1	1.70	1	102	112	0.009	102.00	0.91	1.000	0.99998
2951	4	5.95	60	3,789	1,340	0.045	63.15	2.83	1.017	0.99994
2962	1	5.40	23	7,452	248	0.093	324.00	30.05	1.000	0.99933
3041	1	2.48	76	11,324	76	1.000	149.00	149.00	1.000	0.99666
3121	5	16.25	93	5,662	1,068	0.087	60.88	5.30	1.348	0.99988
3122	1	7.93	16	7,616	832	0.019	476.00	9.15	1.000	0.99979
3123	2	1.18	19	677	694	0.027	35.63	0.98	1.000	0.99998
3181	2	3.00	2	180	698	0.003	90.00	0.26	1.000	0.99999
3222	2	3.17	2	190	749	0.003	95.00	0.25	1.000	0.99999
3231	2	1.38	24	996	402	0.060	41.50	2.48	1.000	0.99994
3232	7	14.75	27	3,525	412	0.066	130.56	8.56	1.000	0.99981
3304	7	9.76	184	15,032	958	0.192	81.70	15.69	1.122	0.99965
3311	1	1.17	1	70	736	0.001	70.00	0.10	1.000	0.99999
3315	2	2.80	1,108	37,772	1,537	0.721	34.09	24.58	1.001	0.99945
3422	2	2.54	2	152	952	0.002	76.00	0.16	1.000	0.99999
3471	1	4.95	1	297	158	0.006	297.00	1.88	1.000	0.99996
3472	5	15.40	72	9,505	1,518	0.047	132.01	6.26	1.075	0.99986
3551	2	3.16	14	1,762	999	0.014	125.86	1.76	1.077	0.99996
3552	2	2.11	31	2,051	569	0.054	66.16	3.60	1.000	0.99992
3553	3	5.99	214	30,435	1,008	0.212	142.22	30.19	1.005	0.99932
3591	1	0.42	15	375	1,098	0.014	25.00	0.34	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
3593	2	3.65	63	7,761	928	0.068	123.19	8.36	1.000	0.99981
3621	2	4.65	194	24,279	1,542	0.126	125.15	15.75	1.005	0.99965
3661	1	3.75	17	3,825	1,083	0.016	225.00	3.53	1.000	0.99992
3662	4	5.52	108	7,725	1,098	0.098	71.53	7.04	1.000	0.99984
3663	3	10.85	3	651	285	0.011	217.00	2.28	1.500	0.99995
3671	1	0.73	7	308	1,094	0.006	44.00	0.28	1.000	0.99999
3691	4	19.31	8	2,935	1,360	0.006	366.88	2.16	1.000	0.99995
3692	3	8.78	456	104,590	402	1.134	229.36	260.17	1.146	0.99417
3693	3	8.76	215	39,809	184	1.168	185.16	216.35	1.303	0.99515
3694	3	6.70	1,151	199,590	1,224	0.940	173.41	163.06	1.605	0.99635
3701	3	2.61	22	973	465	0.047	44.23	2.09	1.000	0.99995
3702	2	6.10	2	366	591	0.003	183.00	0.62	1.000	0.99999
3751	4	3.78	1,185	14,942	1,144	1.036	12.61	13.06	1.035	0.99971
3871	1	3.30	8	1,584	1,360	0.006	198.00	1.16	1.000	0.99997
3872	4	8.51	5	720	1,143	0.004	144.00	0.63	1.250	0.99999
3891	2	4.60	2	276	408	0.005	138.00	0.68	1.000	0.99998
3892	1	2.10	1	126	447	0.002	126.00	0.28	1.000	0.99999
3901	1	1.48	1	89	848	0.001	89.00	0.10	1.000	0.99999
3902	1	2.73	1	164	97	0.010	164.00	1.69	1.000	0.99996
3913	2	7.55	16	4,485	1,308	0.012	280.31	3.43	1.000	0.99992
3914	2	3.28	2	197	702	0.003	98.50	0.28	1.000	0.99999
3951	4	6.12	28	2,479	1,064	0.026	88.54	2.33	1.037	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
3952	1	0.82	1	49	370	0.003	49.00	0.13	1.000	0.99999
3971	2	8.20	564	87,602	644	0.876	155.32	136.03	1.002	0.99695
3981	3	4.15	3	249	1,274	0.002	83.00	0.20	1.000	0.99999
3982	4	7.20	182	16,446	1,728	0.105	90.36	9.52	1.011	0.99979
3991	2	3.81	681	50,475	699	0.974	74.12	72.21	1.001	0.99838
3992	5	4.49	5	269	161	0.031	53.80	1.67	1.000	0.99996
4091	1	0.85	33	1,683	1,130	0.029	51.00	1.49	1.000	0.99997
4092	3	1.40	5	128	412	0.012	25.60	0.31	1.667	0.99999
4101	2	1.77	2	106	572	0.003	53.00	0.19	1.000	0.99999
4102	2	2.55	44	2,321	857	0.051	52.75	2.71	1.000	0.99994
4134	6	8.02	694	45,040	826	0.840	64.90	54.53	1.242	0.99878
4135	1	0.53	1	32	62	0.016	32.00	0.52	1.000	0.99999
4137	2	1.65	11	225	808	0.014	20.45	0.28	1.000	0.99999
4138	3	3.62	31	2,087	704	0.044	67.32	2.96	1.000	0.99993
4141	1	2.38	42	6,006	80	0.525	143.00	75.08	1.000	0.99832
4142	3	16.52	17	12,667	571	0.030	745.12	22.18	1.133	0.99950
4151	2	2.65	62	5,458	1,232	0.050	88.03	4.43	1.000	0.99990
4154	3	5.05	34	3,899	1,073	0.032	114.68	3.63	1.030	0.99992
4171	7	12.95	115	17,425	1,118	0.103	151.52	15.59	1.009	0.99965
4172	3	7.63	357	39,132	1,639	0.218	109.61	23.88	1.017	0.99947
4182	1	2.35	4	564	984	0.004	141.00	0.57	1.000	0.99999
4211	16	31.51	230	28,629	1,270	0.181	124.47	22.54	1.000	0.99950

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4212	1	1.12	5	335	788	0.006	67.00	0.43	1.000	0.99999
4221	1	3.50	42	8,820	476	0.088	210.00	18.53	1.000	0.99958
4222	1	1.40	17	1,428	1,596	0.011	84.00	0.89	1.000	0.99998
4301	3	13.85	117	45,804	598	0.196	391.49	76.60	1.232	0.99828
4302	5	13.81	92	21,279	641	0.144	231.29	33.20	1.034	0.99926
4303	2	1.89	11	629	836	0.013	57.18	0.75	1.000	0.99998
4311	4	0.70	1,069	12,505	897	1.192	11.70	13.94	1.000	0.99969
4313	1	0.88	4	212	530	0.008	53.00	0.40	1.000	0.99999
4324	4	4.81	4	289	1,058	0.004	72.25	0.27	2.000	0.99999
4341	4	9.61	20	1,480	1,942	0.010	74.00	0.76	1.000	0.99998
4342	4	2.86	47	2,109	1,686	0.028	44.87	1.25	1.000	0.99997
4361	2	3.55	101	9,915	1,902	0.053	98.17	5.21	1.010	0.99988
4363	1	0.47	91	2,548	653	0.139	28.00	3.90	1.000	0.99991
4371	7	15.38	50	5,564	2,232	0.022	111.28	2.49	1.087	0.99994
4431	3	3.29	934	15,048	1,320	0.708	16.11	11.40	1.051	0.99974
4432	1	2.92	57	9,975	426	0.134	175.00	23.42	1.000	0.99948
4511	1	1.05	12	756	1,112	0.011	63.00	0.68	1.000	0.99998
4512	3	4.79	37	5,491	850	0.044	148.41	6.46	1.000	0.99986
455	1	5.12	1	307	113	0.009	307.00	2.72	1.000	0.99994
4602	4	8.10	71	8,385	936	0.076	118.10	8.96	1.060	0.99980
5602	1	0.58	1	35	491	0.002	35.00	0.07	1.000	0.99999
5603	2	6.66	8	1,132	1,230	0.007	141.50	0.92	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
6141	3	6.93	266	28,031	617	0.431	105.38	45.43	1.004	0.99898
6142	3	4.94	3	296	292	0.010	98.67	1.01	1.000	0.99998
6143	1	1.85	1	111	369	0.003	111.00	0.30	1.000	0.99999
6144	1	5.15	1	309	314	0.003	309.00	0.98	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	365	741.32	18,562	2,131,575	158,134	0.117	114.84	13.48	1.059	0.99970

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
9/1/2010 to 9/30/2010
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	6.63	5	398	1,344	0.004	79.60	0.30	1.000	0.99999
1051	2	1.64	209	9,620	1,049	0.199	46.03	9.17	1.005	0.99979
1082	6	9.01	36	3,353	1,267	0.028	93.14	2.65	1.000	0.99994
1091	4	5.34	1,703	76,526	1,605	1.061	44.94	47.68	1.109	0.99890
1092	6	10.00	644	56,012	1,159	0.556	86.98	48.33	1.014	0.99888
1093	1	3.35	1	201	216	0.005	201.00	0.93	1.000	0.99998
1094	2	2.01	100	6,197	1,105	0.090	61.97	5.61	1.000	0.99987
1103	2	1.53	192	8,832	866	0.222	46.00	10.20	1.011	0.99976
1141	2	6.60	883	306,103	893	0.989	346.66	342.78	1.001	0.99207
1142	1	1.42	12	1,020	213	0.056	85.00	4.79	1.000	0.99989
1213	2	3.64	166	9,730	538	0.309	58.61	18.09	1.006	0.99958
1225	2	2.94	70	8,812	933	0.075	125.89	9.44	1.014	0.99978
1227	2	3.60	175	5,925	1,170	0.150	33.86	5.06	1.000	0.99988
1228	2	3.36	114	9,498	497	0.229	83.32	19.11	1.000	0.99956
1229	7	9.87	197	16,842	1,996	0.099	85.49	8.44	1.000	0.99980
1230	2	2.05	46	2,835	1,145	0.040	61.63	2.48	1.000	0.99994
1232	3	3.10	59	4,362	1,159	0.051	73.93	3.76	1.017	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
1233	1	0.48	1	29	638	0.002	29.00	0.05	1.000	0.99999
1242	1	2.78	1	167	670	0.001	167.00	0.25	1.000	0.99999
1262	2	2.88	2	173	208	0.010	86.50	0.83	1.000	0.99998
1263	2	1.25	82	3,029	1,309	0.063	36.94	2.31	1.000	0.99995
1264	1	1.37	1	82	42	0.024	82.00	1.95	1.000	0.99995
1271	9	17.76	1,213	81,706	902	1.345	67.36	90.58	1.483	0.99790
1282	1	1.37	75	6,150	911	0.082	82.00	6.75	1.000	0.99984
1284	1	0.63	1	38	861	0.001	38.00	0.04	1.000	0.99999
1285	1	1.65	54	5,346	1,059	0.051	99.00	5.05	1.000	0.99988
1311	2	5.50	107	19,230	259	0.413	179.72	74.25	1.009	0.99828
1312	1	2.48	19	2,831	905	0.021	149.00	3.13	1.000	0.99993
1451	1	15.92	1	955	512	0.002	955.00	1.87	1.000	0.99996
1453	1	0.28	1	17	1,762	0.001	17.00	0.01	1.000	0.99999
1454	1	3.50	1	210	903	0.001	210.00	0.23	1.000	0.99999
1455	1	1.63	1	98	526	0.002	98.00	0.19	1.000	0.99999
1521	3	5.60	3	336	693	0.004	112.00	0.48	1.000	0.99999
1523	1	1.65	49	4,851	694	0.071	99.00	6.99	1.000	0.99984
1841	1	0.50	4	120	1,309	0.003	30.00	0.09	1.000	0.99999
1842	4	11.69	4	701	263	0.015	175.25	2.67	1.000	0.99994
1843	5	8.50	144	12,501	1,054	0.137	86.81	11.86	1.091	0.99973
2051	3	5.35	17	1,693	158	0.108	99.59	10.72	1.000	0.99975
2091	1	1.88	1	113	858	0.001	113.00	0.13	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	8.05	6	2,079	888	0.007	346.50	2.34	1.000	0.99995
2171	2	3.11	66	4,539	543	0.122	68.77	8.36	1.015	0.99981
2172	1	1.68	23	2,323	216	0.106	101.00	10.75	1.000	0.99975
2211	1	1.33	1	80	718	0.001	80.00	0.11	1.000	0.99999
2212	4	9.50	19	2,340	1,246	0.015	123.16	1.88	1.000	0.99996
2511	1	1.30	1	78	606	0.002	78.00	0.13	1.000	0.99999
2621	4	11.48	4	689	1,110	0.004	172.25	0.62	1.000	0.99999
2622	1	8.22	12	5,916	113	0.106	493.00	52.35	1.000	0.99879
2961	6	12.87	316	39,328	960	0.329	124.46	40.97	1.133	0.99905
3121	2	4.52	25	2,203	1,068	0.023	88.12	2.06	1.042	0.99995
3122	3	4.39	137	12,078	833	0.164	88.16	14.50	1.000	0.99966
3123	3	4.38	25	971	694	0.036	38.84	1.40	1.000	0.99997
3221	8	16.90	63	4,731	1,213	0.052	75.10	3.90	1.033	0.99991
3222	1	0.83	620	31,000	749	0.828	50.00	41.39	1.000	0.99904
3231	2	2.12	24	1,524	403	0.060	63.50	3.78	1.000	0.99991
3232	1	1.78	4	428	412	0.010	107.00	1.04	1.000	0.99998
3302	1	0.93	20	1,120	768	0.026	56.00	1.46	1.000	0.99997
3304	8	13.04	167	19,032	959	0.174	113.96	19.85	1.369	0.99954
3311	2	1.84	23	1,265	738	0.031	55.00	1.71	1.045	0.99996
3313	2	2.01	164	9,922	922	0.178	60.50	10.76	1.864	0.99975
3315	1	1.67	1	100	1,565	0.001	100.00	0.06	1.000	0.99999
3422	2	4.59	181	42,340	953	0.190	233.92	44.43	1.000	0.99897

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3472	5	11.42	46	4,884	1,522	0.030	106.17	3.21	1.000	0.99993
3551	1	2.13	1	128	1,000	0.001	128.00	0.13	1.000	0.99999
3552	1	1.60	1	96	569	0.002	96.00	0.17	1.000	0.99999
3553	2	2.86	2	172	1,009	0.002	86.00	0.17	1.000	0.99999
3591	1	1.93	19	2,204	1,099	0.017	116.00	2.01	1.000	0.99995
3593	1	1.92	39	4,485	928	0.042	115.00	4.83	1.000	0.99989
3594	2	1.63	197	9,492	612	0.322	48.18	15.51	1.000	0.99964
3621	5	18.40	33	9,633	1,545	0.021	291.91	6.23	1.031	0.99986
3661	6	11.06	183	26,530	1,083	0.169	144.97	24.50	1.052	0.99943
3662	1	1.63	5	490	1,100	0.005	98.00	0.45	1.000	0.99999
3663	2	3.05	2	183	285	0.007	91.50	0.64	1.000	0.99999
3672	1	1.10	36	2,376	131	0.275	66.00	18.14	1.000	0.99958
3691	2	3.70	2,160	239,760	1,363	1.585	111.00	175.91	2.000	0.99593
3692	1	3.77	399	90,174	402	0.993	226.00	224.31	1.000	0.99481
3693	1	1.58	21	1,995	185	0.114	95.00	10.78	1.000	0.99975
3701	2	1.25	21	835	466	0.045	39.76	1.79	1.050	0.99996
3702	2	2.50	649	36,990	591	1.098	57.00	62.59	1.027	0.99855
3751	6	13.14	45	3,412	1,142	0.039	75.82	2.99	1.000	0.99993
3871	3	9.25	22	4,782	1,361	0.016	217.36	3.51	1.000	0.99992
3872	2	2.28	71	5,516	1,143	0.062	77.69	4.83	1.000	0.99989
3873	1	1.10	37	2,442	781	0.047	66.00	3.13	1.000	0.99993
3878	1	0.65	9	351	1,125	0.008	39.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3891	3	5.34	54	5,746	408	0.132	106.41	14.08	1.256	0.99967
3893	4	5.12	70	6,445	772	0.091	92.07	8.35	1.045	0.99981
3912	4	11.46	90	4,558	1,112	0.081	50.64	4.10	1.034	0.99991
3913	3	4.18	1,388	100,691	1,310	1.060	72.54	76.86	1.071	0.99822
3914	3	3.45	108	7,721	704	0.153	71.49	10.97	1.000	0.99975
3951	1	1.92	17	1,955	1,067	0.016	115.00	1.83	1.000	0.99996
3971	2	1.37	645	34,804	646	0.998	53.96	53.88	1.002	0.99875
3981	5	8.61	85	9,696	1,275	0.067	114.07	7.60	1.024	0.99982
3982	9	14.73	75	7,373	1,729	0.043	98.31	4.26	1.042	0.99990
3991	2	2.39	2	143	701	0.003	71.50	0.20	1.000	0.99999
4031	4	7.40	686	127,978	684	1.003	186.56	187.10	1.004	0.99567
407	1	0.98	131	7,729	98	1.337	59.00	78.87	1.000	0.99817
4091	1	2.55	5	765	1,131	0.004	153.00	0.68	1.000	0.99998
4092	2	2.57	14	1,126	412	0.034	80.43	2.73	1.000	0.99994
4101	1	3.58	55	11,825	571	0.096	215.00	20.71	1.000	0.99952
4102	3	4.65	54	3,384	864	0.063	62.67	3.92	1.000	0.99991
4131	1	0.50	176	5,280	195	0.903	30.00	27.08	1.000	0.99937
4132	1	2.00	1	120	564	0.002	120.00	0.21	1.000	0.99999
4134	4	5.62	38	3,442	826	0.046	90.58	4.17	1.000	0.99990
4141	1	1.38	1	83	80	0.013	83.00	1.04	1.000	0.99998
4151	6	11.02	838	107,035	1,232	0.680	127.73	86.88	2.059	0.99799
4155	1	1.58	18	1,710	2,020	0.009	95.00	0.85	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
4171	1	1.28	1	77	1,121	0.001	77.00	0.07	1.000	0.99999
4172	6	8.57	145	10,379	1,640	0.088	71.58	6.33	1.021	0.99985
4181	2	3.99	41	4,958	468	0.088	120.93	10.59	1.000	0.99975
4211	1	1.02	7	427	1,273	0.005	61.00	0.34	1.000	0.99999
4212	1	1.12	25	1,675	789	0.032	67.00	2.12	1.000	0.99995
4221	1	3.95	41	9,717	476	0.086	237.00	20.41	1.000	0.99953
4222	1	0.58	1	35	1,598	0.001	35.00	0.02	1.000	0.99999
4223	1	0.45	34	918	1,005	0.034	27.00	0.91	1.000	0.99998
4224	1	8.57	4	2,056	676	0.006	514.00	3.04	1.000	0.99993
4301	1	1.12	1	67	598	0.002	67.00	0.11	1.000	0.99999
4303	2	4.93	6	484	837	0.007	80.67	0.58	1.000	0.99999
4311	1	0.80	49	2,352	898	0.055	48.00	2.62	1.000	0.99994
4312	1	0.93	37	2,072	973	0.038	56.00	2.13	1.000	0.99995
4324	1	1.02	1	61	1,058	0.001	61.00	0.06	1.000	0.99999
4341	2	4.58	64	4,863	1,942	0.033	75.98	2.50	1.000	0.99994
4342	4	5.20	64	5,436	1,684	0.038	84.94	3.23	1.000	0.99993
4343	3	4.99	63	5,484	767	0.082	87.05	7.15	1.016	0.99983
4362	5	4.72	88	6,033	801	0.110	68.56	7.53	1.035	0.99983
4371	11	25.55	176	50,909	2,236	0.079	289.26	22.77	1.060	0.99947
4372	1	5.48	1	329	415	0.002	329.00	0.79	1.000	0.99998
4431	8	12.44	1,351	108,913	1,321	1.023	80.62	82.45	1.036	0.99809
4432	3	5.27	12	1,540	427	0.028	128.33	3.61	1.091	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
4602	1	1.95	8	936	936	0.009	117.00	1.00	1.000	0.99998
5602	1	3.87	18	4,176	491	0.037	232.00	8.51	1.000	0.99980
5603	4	9.34	15	1,588	1,229	0.012	105.87	1.29	1.071	0.99997
6021	3	2.02	58	1,366	660	0.088	23.55	2.07	1.036	0.99995
6141	2	2.35	12	1,151	618	0.019	95.92	1.86	1.091	0.99996
6142	1	1.52	1	91	292	0.003	91.00	0.31	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	334	615.24	19,169	1,975,360	159,046	0.121	103.05	12.42	1.148	0.99971

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2010 to 10/31/2010
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	6	4.79	165	7,073	1,344	0.123	42.87	5.26	1.078	0.99988
1051	1	1.28	1	77	1,049	0.001	77.00	0.07	1.000	0.99999
1092	4	16.54	116	51,056	1,162	0.100	440.14	43.94	1.000	0.99902
1093	1	7.45	37	16,539	216	0.171	447.00	76.57	1.000	0.99828
1094	5	9.49	25	2,422	1,106	0.023	96.88	2.19	1.000	0.99995
1102	1	1.03	34	2,108	631	0.054	62.00	3.34	1.000	0.99993
1213	1	2.65	21	3,339	538	0.039	159.00	6.21	1.000	0.99986
1226	2	2.65	42	3,339	344	0.122	79.50	9.71	1.000	0.99978
1227	2	1.40	54	2,168	1,170	0.046	40.15	1.85	1.000	0.99996
1228	1	2.75	1	165	537	0.002	165.00	0.31	1.000	0.99999
1229	8	6.57	118	5,486	1,996	0.059	46.49	2.75	1.000	0.99994
1230	7	9.17	1,089	147,103	1,106	0.985	135.08	133.00	1.033	0.99702
1232	5	7.51	1,200	119,900	1,160	1.034	99.92	103.36	1.031	0.99768
1241	1	1.48	55	4,895	826	0.067	89.00	5.93	1.000	0.99987
1242	1	1.02	1	61	670	0.001	61.00	0.09	1.000	0.99999
1243	4	11.99	1,279	91,054	1,170	1.093	71.19	77.82	1.037	0.99826
1263	1	0.82	81	3,969	1,309	0.062	49.00	3.03	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
1267	1	0.52	22	682	68	0.324	31.00	10.03	1.000	0.99978
1271	2	1.33	2	80	904	0.002	40.00	0.09	1.000	0.99999
1273	2	3.07	91	11,487	863	0.105	126.23	13.31	1.011	0.99970
1282	1	1.73	1	104	911	0.001	104.00	0.11	1.000	0.99999
1283	1	0.87	1	52	347	0.003	52.00	0.15	1.000	0.99999
1284	1	1.88	18	2,034	861	0.021	113.00	2.36	1.000	0.99995
1285	1	6.08	71	25,915	1,059	0.067	365.00	24.47	1.000	0.99945
1286	1	0.62	1	37	40	0.025	37.00	0.93	1.000	0.99998
1311	1	6.35	5	1,905	260	0.019	381.00	7.33	1.000	0.99984
1312	1	2.12	16	2,032	905	0.018	127.00	2.25	1.000	0.99995
1452	1	1.92	1	115	443	0.002	115.00	0.26	1.000	0.99999
1453	2	5.07	464	17,046	1,763	0.263	36.74	9.67	1.107	0.99978
1454	2	3.05	168	15,372	903	0.186	91.50	17.02	1.000	0.99962
1521	1	0.27	18	288	694	0.026	16.00	0.41	1.000	0.99999
1522	1	2.85	14	2,394	96	0.146	171.00	24.94	1.000	0.99944
1523	2	2.70	23	2,241	695	0.033	97.43	3.22	1.045	0.99993
1841	1	0.73	62	2,728	1,311	0.047	44.00	2.08	1.000	0.99995
2051	1	0.97	1	58	158	0.006	58.00	0.37	1.000	0.99999
2052	3	4.84	249	24,153	85	2.929	97.00	284.15	3.000	0.99363
2091	2	5.38	24	3,722	858	0.028	155.08	4.34	1.000	0.99990
2092	1	0.80	9	432	890	0.010	48.00	0.49	1.000	0.99999
2211	3	2.66	82	4,677	718	0.114	57.04	6.51	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
2212	3	5.27	33	1,861	1,248	0.026	56.39	1.49	1.000	0.99997
2511	1	1.37	1	82	606	0.002	82.00	0.14	1.000	0.99999
2621	1	2.08	1	125	1,112	0.001	125.00	0.11	1.000	0.99999
2951	3	2.82	445	31,993	1,342	0.332	71.89	23.84	1.005	0.99947
2961	2	18.17	7	5,340	960	0.007	762.86	5.56	1.000	0.99988
3082	1	1.63	10	980	320	0.031	98.00	3.06	1.000	0.99993
3121	2	0.98	38	815	1,068	0.036	21.45	0.76	1.027	0.99998
3122	1	1.97	1	118	834	0.001	118.00	0.14	1.000	0.99999
3181	2	2.97	2	178	700	0.003	89.00	0.25	1.000	0.99999
3221	6	10.91	1,210	154,679	1,214	0.997	127.83	127.41	1.033	0.99715
3231	1	0.88	399	21,147	403	0.990	53.00	52.47	1.000	0.99882
3232	1	0.78	1	47	412	0.002	47.00	0.11	1.000	0.99999
3302	1	1.28	62	4,774	771	0.080	77.00	6.19	1.000	0.99986
3304	2	2.84	57	3,030	960	0.059	53.16	3.16	1.018	0.99993
3311	1	1.75	11	1,155	604	0.018	105.00	1.91	1.000	0.99996
3313	5	3.81	22	1,061	922	0.024	48.23	1.15	1.000	0.99997
3315	3	6.82	6	571	1,534	0.004	95.17	0.37	1.000	0.99999
3422	1	4.67	11	3,080	954	0.012	280.00	3.23	1.000	0.99993
3472	3	5.68	123	15,365	1,524	0.081	124.92	10.08	1.000	0.99977
3552	1	1.22	3	219	570	0.005	73.00	0.38	1.000	0.99999
3553	1	0.67	64	2,560	1,009	0.063	40.00	2.54	1.000	0.99994
3592	4	4.30	102	6,504	1,674	0.061	63.76	3.89	1.000	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
3621	3	6.25	28	6,500	1,545	0.018	232.14	4.21	1.077	0.99991
3661	1	0.67	30	1,200	1,083	0.028	40.00	1.11	1.000	0.99998
3662	2	4.25	54	8,471	1,100	0.049	156.87	7.70	1.019	0.99983
3663	1	2.20	1	132	286	0.003	132.00	0.46	1.000	0.99999
3671	5	3.10	677	70,074	1,094	0.619	103.51	64.05	1.006	0.99857
3691	4	10.32	8	1,377	1,364	0.006	172.13	1.01	1.600	0.99998
3694	3	9.54	115	25,594	1,230	0.093	222.56	20.81	1.000	0.99953
3702	3	2.66	69	4,483	592	0.117	64.97	7.57	1.255	0.99983
3751	3	4.06	65	5,606	1,143	0.057	86.25	4.90	1.016	0.99989
3871	3	8.32	1,301	234,337	1,361	0.956	180.12	172.18	1.052	0.99614
3872	5	9.69	67	7,754	1,144	0.059	115.73	6.78	1.015	0.99985
3878	5	4.88	32	2,363	1,125	0.028	73.84	2.10	1.103	0.99995
3892	2	12.36	19	1,643	449	0.042	86.47	3.66	1.000	0.99992
3893	3	2.57	284	21,229	772	0.368	74.75	27.50	1.007	0.99938
3914	1	3.48	20	4,180	705	0.028	209.00	5.93	1.000	0.99987
3951	3	4.74	231	18,724	1,067	0.216	81.06	17.55	1.022	0.99961
3981	5	8.20	67	6,126	1,276	0.053	91.43	4.80	1.031	0.99989
3982	6	4.63	2,003	60,402	1,730	1.158	30.16	34.91	1.165	0.99922
3991	17	145.47	137	70,187	702	0.195	512.31	99.98	1.007	0.99776
4031	2	3.61	75	4,524	684	0.110	60.32	6.61	1.014	0.99985
4091	7	4.31	165	6,574	1,131	0.146	39.84	5.81	1.012	0.99987
4102	8	10.18	943	79,636	864	1.091	84.45	92.17	1.132	0.99794

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4137	4	7.06	85	3,885	808	0.105	45.71	4.81	1.000	0.99989
4138	5	3.56	63	3,658	704	0.089	58.06	5.20	1.016	0.99988
4151	1	1.13	51	3,468	1,232	0.041	68.00	2.81	1.000	0.99994
4153	2	4.28	6	740	1,257	0.005	123.33	0.59	1.000	0.99999
4171	2	2.75	6	469	1,122	0.005	78.17	0.42	1.000	0.99999
4172	3	10.82	38	14,243	1,641	0.023	374.82	8.68	1.000	0.99981
4181	2	2.18	50	3,620	468	0.107	72.40	7.74	1.000	0.99983
4182	2	2.97	52	3,512	985	0.053	67.54	3.57	1.000	0.99992
4211	4	3.98	63	2,712	1,274	0.049	43.05	2.13	1.000	0.99995
4212	2	2.40	105	6,780	790	0.133	64.57	8.58	1.000	0.99981
4221	9	63.84	9	3,830	476	0.019	425.56	8.05	1.000	0.99982
4222	4	24.77	98	48,337	1,598	0.061	493.23	30.25	1.010	0.99932
4223	3	2.00	157	4,372	1,006	0.156	27.85	4.35	1.006	0.99990
4301	5	9.03	40	2,985	598	0.067	74.63	4.99	1.000	0.99989
4303	3	11.66	59	31,796	838	0.070	538.92	37.94	1.000	0.99915
4311	1	0.47	69	1,932	899	0.077	28.00	2.15	1.000	0.99995
4312	1	0.50	73	2,190	972	0.075	30.00	2.25	1.000	0.99995
4324	1	0.83	16	800	1,059	0.015	50.00	0.76	1.000	0.99998
4331	1	1.07	1	64	296	0.003	64.00	0.22	1.000	0.99999
4341	3	4.32	1,418	186,747	1,942	0.730	131.70	96.16	1.074	0.99785
4342	6	5.85	123	6,314	1,685	0.073	51.33	3.75	1.008	0.99992
4361	1	1.12	1	67	1,904	0.001	67.00	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
4362	1	0.90	36	1,944	802	0.045	54.00	2.42	1.000	0.99995
4363	2	2.21	2	133	654	0.003	66.50	0.20	1.000	0.99999
4371	3	2.61	40	2,419	2,236	0.018	60.48	1.08	1.026	0.99998
4431	1	1.45	15	1,305	1,322	0.011	87.00	0.99	1.000	0.99998
4432	5	7.67	77	6,580	428	0.180	85.45	15.37	1.013	0.99966
4511	5	5.87	125	9,761	1,113	0.112	78.09	8.77	1.106	0.99980
4513	2	1.98	2	119	578	0.003	59.50	0.21	1.000	0.99999
4601	1	12.68	57	43,377	57	1.000	761.00	761.00	1.000	0.98295
5602	1	0.83	18	900	492	0.037	50.00	1.83	1.000	0.99996
5603	7	7.93	228	12,969	1,230	0.185	56.88	10.54	1.281	0.99976
5641	2	0.69	2	41	448	0.004	20.50	0.09	1.000	0.99999
5642	1	1.35	1	81	228	0.004	81.00	0.36	1.000	0.99999
6021	1	0.38	52	1,196	662	0.079	23.00	1.81	1.000	0.99996
6141	5	11.97	440	70,518	619	0.711	160.27	113.92	1.011	0.99745
6144	1	1.38	5	415	314	0.016	83.00	1.32	1.000	0.99997
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	324	719.25	18,345	1,959,387	159,252	0.115	106.81	12.30	1.059	0.99972

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2010 to 11/30/2010
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	6.79	199	18,834	1,345	0.148	94.64	14.00	1.000	0.99968
1051	1	0.62	29	1,073	1,049	0.028	37.00	1.02	1.000	0.99998
1082	3	5.01	235	20,461	1,270	0.185	87.07	16.11	1.004	0.99963
1091	3	10.12	8	1,767	1,605	0.005	220.88	1.10	1.000	0.99997
1092	2	1.54	10	484	1,164	0.009	48.40	0.42	1.000	0.99999
1094	4	6.45	94	7,137	1,107	0.085	75.93	6.45	1.022	0.99985
1102	3	3.43	75	5,150	632	0.119	68.67	8.15	1.500	0.99981
1103	1	1.32	16	1,264	867	0.018	79.00	1.46	1.000	0.99997
1141	3	7.35	884	154,616	893	0.990	174.90	173.14	1.002	0.99599
1142	3	3.60	3	216	213	0.014	72.00	1.01	1.500	0.99998
1212	1	1.28	311	23,947	317	0.981	77.00	75.54	1.000	0.99825
1227	2	3.05	40	3,733	1,170	0.034	93.33	3.19	1.176	0.99993
1229	5	4.92	109	6,373	1,996	0.055	58.47	3.19	1.000	0.99993
1230	2	1.52	83	3,493	1,067	0.078	42.08	3.27	1.012	0.99992
1232	1	0.70	114	4,788	1,160	0.098	42.00	4.13	1.000	0.99990
1233	1	2.70	1	162	638	0.002	162.00	0.25	1.000	0.99999
1241	1	1.67	1	100	826	0.001	100.00	0.12	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1242	2	2.09	32	2,081	670	0.048	65.03	3.11	1.000	0.99993
1243	6	8.12	62	5,097	1,168	0.053	82.21	4.36	1.088	0.99990
1265	1	0.42	1	25	1,308	0.001	25.00	0.02	1.000	0.99999
1271	4	2.74	305	18,835	905	0.337	61.75	20.81	1.041	0.99952
1273	5	6.25	162	11,437	863	0.188	70.60	13.25	1.000	0.99969
1282	1	0.77	21	966	911	0.023	46.00	1.06	1.000	0.99998
1283	1	0.88	1	53	347	0.003	53.00	0.15	1.000	0.99999
1284	9	20.59	82	11,734	861	0.095	143.10	13.63	1.155	0.99968
1311	2	5.77	10	1,730	261	0.038	173.00	6.63	1.000	0.99985
1312	1	5.12	897	275,379	905	0.991	307.00	304.29	1.000	0.99296
1451	1	2.25	1	135	512	0.002	135.00	0.26	1.000	0.99999
1452	1	0.43	1	26	443	0.002	26.00	0.06	1.000	0.99999
1453	3	2.30	14	534	1,764	0.008	38.14	0.30	1.000	0.99999
1454	2	1.22	73	3,126	903	0.081	42.82	3.46	1.000	0.99992
1455	1	0.78	65	3,055	527	0.123	47.00	5.80	1.000	0.99987
1521	6	7.67	40	3,270	694	0.058	81.75	4.71	1.000	0.99989
1523	2	1.98	2	119	696	0.003	59.50	0.17	1.000	0.99999
2051	1	0.58	8	280	158	0.051	35.00	1.77	1.000	0.99996
2092	4	6.60	4	396	892	0.004	99.00	0.44	1.000	0.99999
2171	1	1.18	9	639	545	0.017	71.00	1.17	1.000	0.99997
2172	1	1.53	1	92	216	0.005	92.00	0.43	1.000	0.99999
2211	2	2.48	52	4,049	718	0.072	77.87	5.64	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
2212	2	1.75	17	780	1,250	0.014	45.88	0.62	1.000	0.99999
2511	2	2.55	61	4,113	606	0.101	67.43	6.79	1.000	0.99984
2621	5	8.56	10	1,264	1,114	0.009	126.40	1.13	1.000	0.99997
2951	5	7.16	1,373	207,299	1,342	1.023	150.98	154.47	1.047	0.99642
2961	3	2.85	70	5,263	961	0.073	75.19	5.48	1.000	0.99987
2962	1	2.72	1	163	250	0.004	163.00	0.65	1.000	0.99998
3121	2	2.19	2	131	1,068	0.002	65.50	0.12	1.000	0.99999
3123	2	3.33	14	692	701	0.020	49.43	0.99	1.000	0.99998
3221	2	8.50	25	3,485	1,215	0.021	139.40	2.87	1.000	0.99993
3222	1	2.27	44	5,984	751	0.059	136.00	7.97	1.000	0.99982
3231	1	0.75	6	270	403	0.015	45.00	0.67	1.000	0.99998
3232	2	2.73	16	1,296	413	0.039	81.00	3.14	1.000	0.99993
3304	5	4.10	178	8,921	961	0.185	50.12	9.28	1.023	0.99979
3311	3	3.76	6	460	471	0.013	76.67	0.98	1.000	0.99998
3313	3	2.27	84	6,535	922	0.091	77.80	7.09	1.024	0.99984
3315	6	9.31	69	2,851	1,502	0.046	41.32	1.90	1.000	0.99996
3421	2	3.73	28	2,460	667	0.042	87.86	3.69	1.000	0.99991
3472	3	4.62	144	7,310	1,525	0.094	50.76	4.79	1.007	0.99989
3552	1	2.10	1	126	570	0.002	126.00	0.22	1.000	0.99999
3553	1	1.18	1	71	1,009	0.001	71.00	0.07	1.000	0.99999
3591	2	2.56	42	3,234	1,099	0.038	77.00	2.94	1.000	0.99993
3592	6	8.81	108	8,688	1,674	0.065	80.44	5.19	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
3621	2	5.80	27	2,048	1,545	0.017	75.85	1.33	1.000	0.99997
3661	3	2.96	160	11,610	1,083	0.148	72.56	10.72	1.000	0.99975
3662	2	3.27	2	196	1,101	0.002	98.00	0.18	1.000	0.99999
3691	2	2.99	6	567	1,364	0.004	94.50	0.42	1.000	0.99999
3701	1	0.58	12	420	466	0.026	35.00	0.90	1.000	0.99998
3751	9	9.95	1,146	32,488	1,144	1.002	28.35	28.40	1.013	0.99934
3871	2	6.14	69	12,897	1,361	0.051	186.91	9.48	1.015	0.99978
3873	3	2.18	55	2,315	783	0.070	42.09	2.96	1.019	0.99993
3878	1	0.55	94	3,102	1,125	0.084	33.00	2.76	1.000	0.99994
3891	4	5.46	161	14,341	408	0.395	89.07	35.15	1.110	0.99919
3892	1	5.05	1	303	450	0.002	303.00	0.67	1.000	0.99998
3893	4	4.04	116	7,746	772	0.150	66.78	10.03	2.035	0.99977
3903	1	0.82	28	1,372	285	0.098	49.00	4.81	1.000	0.99989
3912	1	1.15	19	1,311	1,112	0.017	69.00	1.18	1.000	0.99997
3913	3	7.85	471	17,706	1,314	0.358	37.59	13.47	1.002	0.99969
3914	1	1.25	1	75	706	0.001	75.00	0.11	1.000	0.99999
3951	3	5.77	253	22,074	1,067	0.237	87.25	20.69	1.024	0.99952
3952	1	2.55	1	153	372	0.003	153.00	0.41	1.000	0.99999
3971	2	7.40	12	3,134	647	0.019	261.17	4.84	1.000	0.99989
3981	6	7.96	1,379	154,641	1,277	1.080	112.14	121.10	1.093	0.99720
3982	3	3.57	661	41,696	1,731	0.382	63.08	24.09	1.002	0.99944
4031	1	2.75	1	165	685	0.001	165.00	0.24	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4091	4	4.19	127	8,175	1,131	0.112	64.37	7.23	1.008	0.99983
4102	5	7.20	97	9,848	864	0.112	101.53	11.40	1.000	0.99974
4134	2	1.55	7	408	826	0.008	58.29	0.49	1.000	0.99999
4137	2	1.11	3	90	808	0.004	30.00	0.11	1.000	0.99999
4138	1	1.08	40	2,600	704	0.057	65.00	3.69	1.000	0.99991
4141	2	4.55	2	273	80	0.025	136.50	3.41	1.000	0.99992
4142	2	2.21	2	133	573	0.003	66.50	0.23	1.000	0.99999
4151	2	3.57	59	6,028	1,233	0.048	102.17	4.89	1.017	0.99989
4152	2	1.73	6	352	784	0.008	58.67	0.45	1.000	0.99999
4153	1	1.63	1	98	1,258	0.001	98.00	0.08	1.000	0.99999
4171	4	3.57	110	5,998	1,122	0.098	54.53	5.35	1.294	0.99988
4172	9	10.11	84	6,107	1,642	0.051	72.70	3.72	1.000	0.99991
4173	2	5.35	6	963	604	0.010	160.50	1.59	2.000	0.99996
4182	1	0.50	38	1,140	986	0.039	30.00	1.16	1.000	0.99997
4211	4	22.38	5	2,511	1,274	0.004	502.20	1.97	1.250	0.99995
4212	1	0.57	33	1,122	791	0.042	34.00	1.42	1.000	0.99997
4221	3	3.99	19	959	476	0.040	50.47	2.01	1.056	0.99995
4222	1	0.40	46	1,104	1,598	0.029	24.00	0.69	1.000	0.99998
4224	3	5.55	7	1,365	676	0.010	195.00	2.02	1.000	0.99995
4301	2	2.39	37	2,776	598	0.062	75.03	4.64	1.000	0.99989
4303	2	2.12	22	1,397	839	0.026	63.50	1.67	1.000	0.99996
4324	1	0.55	1	33	1,060	0.001	33.00	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
4341	1	0.62	1	37	1,943	0.001	37.00	0.02	1.000	0.99999
4342	4	3.45	33	1,862	1,686	0.020	56.42	1.10	1.500	0.99997
4343	3	1.81	200	5,600	768	0.260	28.00	7.29	1.786	0.99983
4361	1	0.57	100	3,400	1,904	0.053	34.00	1.79	1.000	0.99996
4363	3	2.70	183	6,462	655	0.279	35.31	9.87	1.000	0.99977
4371	1	2.82	1	169	2,237	0.000	169.00	0.08	1.000	0.99999
4385	1	1.88	1	113	1,107	0.001	113.00	0.10	1.000	0.99999
4431	11	22.87	27	2,853	1,322	0.020	105.67	2.16	1.038	0.99995
4432	2	3.77	26	2,842	428	0.061	109.31	6.64	1.000	0.99985
4513	1	1.20	1	72	580	0.002	72.00	0.12	1.000	0.99999
4602	1	0.87	7	364	937	0.007	52.00	0.39	1.000	0.99999
5602	1	1.67	1	100	492	0.002	100.00	0.20	1.000	0.99999
5641	1	1.85	428	47,508	448	0.955	111.00	106.04	1.000	0.99755
5642	1	1.82	203	22,127	227	0.894	109.00	97.48	1.000	0.99774
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	301	455.86	12,994	1,345,401	159,332	0.082	103.54	8.44	1.038	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2010 to 12/31/2010
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	0.87	24	1,248	1,348	0.018	52.00	0.93	1.000	0.99998
1081	1	2.38	1	143	18	0.056	143.00	7.94	1.000	0.99982
1082	3	3.93	24	958	1,270	0.019	39.92	0.75	1.000	0.99998
1091	3	5.08	3	305	1,606	0.002	101.67	0.19	1.000	0.99999
1092	7	10.65	1,215	210,593	1,165	1.043	173.33	180.77	1.052	0.99595
1102	3	9.25	88	18,399	634	0.139	209.08	29.02	1.000	0.99935
1141	2	4.92	2	295	894	0.002	147.50	0.33	1.000	0.99999
1225	2	1.41	78	3,315	933	0.084	42.50	3.55	1.000	0.99992
1226	1	2.47	1	148	344	0.003	148.00	0.43	1.000	0.99999
1227	3	3.52	21	1,129	1,170	0.018	53.76	0.96	1.105	0.99998
1229	3	3.05	144	4,476	1,996	0.072	31.08	2.24	1.000	0.99995
1230	1	0.82	82	4,018	1,068	0.077	49.00	3.76	1.000	0.99992
1232	1	0.87	1	52	1,160	0.001	52.00	0.04	1.000	0.99999
1233	1	1.25	1	75	638	0.002	75.00	0.12	1.000	0.99999
1241	1	1.25	1	75	826	0.001	75.00	0.09	1.000	0.99999
1243	1	0.38	80	1,840	1,170	0.068	23.00	1.57	1.000	0.99996
1262	1	1.33	1	80	208	0.005	80.00	0.38	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	3	4.03	43	3,488	1,309	0.033	81.12	2.66	1.000	0.99994
1265	1	0.83	1	50	1,308	0.001	50.00	0.04	1.000	0.99999
1271	2	3.22	44	4,074	906	0.049	92.59	4.50	1.000	0.99990
1273	1	0.80	1	48	863	0.001	48.00	0.06	1.000	0.99999
1282	4	7.73	194	20,134	911	0.213	103.78	22.10	1.005	0.99950
1284	6	9.09	218	50,869	862	0.253	233.34	59.01	1.019	0.99868
1452	4	5.47	21	1,569	443	0.047	74.71	3.54	1.050	0.99992
1453	1	0.47	180	5,040	1,766	0.102	28.00	2.85	1.000	0.99994
1454	6	3.64	107	2,227	904	0.118	20.81	2.46	1.000	0.99994
1455	1	1.55	65	6,045	527	0.123	93.00	11.47	1.000	0.99974
1521	8	12.53	823	82,304	694	1.186	100.00	118.59	1.236	0.99734
1522	2	5.08	95	10,349	96	0.990	108.94	107.80	1.011	0.99759
1523	1	1.82	693	75,537	697	0.994	109.00	108.37	1.000	0.99757
1841	2	1.48	9	593	1,314	0.007	65.89	0.45	1.000	0.99999
1843	2	4.73	33	4,748	1,056	0.031	143.88	4.50	1.031	0.99990
2051	1	1.88	1	113	158	0.006	113.00	0.72	1.000	0.99998
2052	1	0.92	1	55	85	0.012	55.00	0.65	1.000	0.99999
2211	2	2.60	53	4,332	718	0.074	81.74	6.03	1.000	0.99986
2212	3	5.61	99	13,617	1,250	0.079	137.55	10.89	1.000	0.99976
2491	3	4.52	89	9,860	60	1.483	110.79	164.33	1.035	0.99632
2511	1	1.17	3	210	606	0.005	70.00	0.35	1.000	0.99999
2621	10	4.96	29	805	1,114	0.026	27.76	0.72	1.000	0.99998

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2951	4	7.08	4	425	1,342	0.003	106.25	0.32	1.333	0.99999
2961	3	2.88	276	15,916	962	0.287	57.67	16.54	1.516	0.99963
3122	2	4.45	91	15,846	836	0.109	174.13	18.95	1.046	0.99958
3123	1	0.48	593	17,197	701	0.846	29.00	24.53	1.000	0.99945
3221	1	1.18	1	71	1,216	0.001	71.00	0.06	1.000	0.99999
3222	1	2.67	1	160	751	0.001	160.00	0.21	1.000	0.99999
3232	1	1.02	1	61	414	0.002	61.00	0.15	1.000	0.99999
3304	4	6.86	30	3,113	961	0.031	103.77	3.24	1.000	0.99993
3313	1	0.65	1	39	922	0.001	39.00	0.04	1.000	0.99999
3314	3	7.56	19	2,118	222	0.086	111.47	9.54	1.000	0.99979
3315	2	4.23	10	1,790	1,504	0.007	179.00	1.19	1.000	0.99997
3421	1	1.52	62	5,642	668	0.093	91.00	8.45	1.000	0.99981
3471	1	1.10	12	792	158	0.076	66.00	5.01	1.000	0.99989
3472	3	2.81	52	3,490	1,526	0.034	67.12	2.29	1.020	0.99995
3551	1	2.23	25	3,350	1,001	0.025	134.00	3.35	1.000	0.99993
3591	1	0.58	1	35	1,098	0.001	35.00	0.03	1.000	0.99999
3592	2	0.84	2	50	1,676	0.001	25.00	0.03	1.000	0.99999
3621	4	5.29	4	318	1,546	0.003	79.50	0.21	1.333	0.99999
3661	1	3.12	3	561	1,084	0.003	187.00	0.52	1.000	0.99999
3663	1	3.17	18	3,420	286	0.063	190.00	11.96	1.000	0.99973
3701	2	11.35	2	681	466	0.004	340.50	1.46	1.000	0.99997
3702	1	3.03	1	182	592	0.002	182.00	0.31	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3751	2	1.77	54	2,862	1,146	0.047	53.00	2.50	2.000	0.99994
3871	1	0.37	1	22	1,361	0.001	22.00	0.02	1.000	0.99999
3873	1	1.13	39	2,652	783	0.050	68.00	3.39	1.000	0.99992
3878	1	0.47	82	2,296	1,125	0.073	28.00	2.04	1.000	0.99995
3892	1	5.03	448	135,296	451	0.993	302.00	299.99	1.000	0.99328
3893	9	9.04	352	18,351	772	0.456	52.13	23.77	1.461	0.99947
3894	1	0.97	1	58	107	0.009	58.00	0.54	1.000	0.99999
3903	4	6.72	5	565	285	0.018	113.00	1.98	1.000	0.99996
3912	1	5.23	6	1,884	1,112	0.005	314.00	1.69	1.000	0.99996
3913	2	3.17	424	60,844	1,315	0.322	143.50	46.27	1.044	0.99896
3951	4	6.86	154	17,739	1,067	0.144	115.19	16.63	1.007	0.99963
3971	1	1.68	1	101	647	0.002	101.00	0.16	1.000	0.99999
3981	8	14.28	788	86,438	1,372	0.574	109.69	63.00	1.052	0.99859
3982	4	3.52	343	16,332	1,890	0.181	47.62	8.64	1.000	0.99981
403	1	0.85	1	51	259	0.004	51.00	0.20	1.000	0.99999
4031	4	5.92	21	1,380	686	0.031	65.71	2.01	1.050	0.99995
406	1	0.22	1	13	70	0.014	13.00	0.19	1.000	0.99999
407	1	0.48	1	29	98	0.010	29.00	0.30	1.000	0.99999
4091	1	0.72	1	43	1,130	0.001	43.00	0.04	1.000	0.99999
4092	1	0.82	1	49	414	0.002	49.00	0.12	1.000	0.99999
4101	1	0.73	566	24,904	574	0.986	44.00	43.39	1.000	0.99903
4102	3	4.04	28	2,042	865	0.032	72.93	2.36	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
4134	1	1.68	15	1,515	826	0.018	101.00	1.83	1.000	0.99996
4137	1	0.50	1	30	808	0.001	30.00	0.04	1.000	0.99999
4142	1	1.40	26	2,184	574	0.045	84.00	3.80	1.000	0.99991
4152	4	4.91	47	2,652	782	0.060	56.43	3.39	1.044	0.99992
4153	1	1.27	1	76	1,258	0.001	76.00	0.06	1.000	0.99999
4154	1	1.13	32	2,176	1,078	0.030	68.00	2.02	1.000	0.99995
4171	6	5.49	213	9,832	1,122	0.190	46.16	8.76	1.039	0.99980
4172	5	4.72	115	5,397	1,644	0.070	46.93	3.28	1.018	0.99993
4181	1	0.62	36	1,332	468	0.077	37.00	2.85	1.000	0.99994
4211	1	1.88	1	113	1,276	0.001	113.00	0.09	1.000	0.99999
4212	1	0.75	7	315	792	0.009	45.00	0.40	1.000	0.99999
4222	7	13.18	47	7,274	1,598	0.029	154.77	4.55	1.000	0.99990
4223	1	1.45	8	696	1,006	0.008	87.00	0.69	1.000	0.99998
4224	2	2.31	2	139	678	0.003	69.50	0.21	2.000	0.99999
4324	22	33.08	1,278	124,459	1,060	1.206	97.39	117.41	1.217	0.99737
4331	3	7.93	3	476	296	0.010	158.67	1.61	1.000	0.99996
4341	1	0.97	1	58	1,824	0.001	58.00	0.03	1.000	0.99999
4342	4	5.71	64	3,635	1,690	0.038	56.80	2.15	1.016	0.99995
4361	5	8.95	8	1,053	1,904	0.004	131.63	0.55	1.000	0.99999
4362	5	5.43	215	9,888	806	0.267	45.99	12.27	1.000	0.99973
4371	4	4.87	45	4,116	2,240	0.020	91.47	1.84	1.000	0.99996
4372	2	1.57	21	626	416	0.050	29.81	1.50	1.050	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
4385	1	1.62	18	1,746	1,106	0.016	97.00	1.58	1.000	0.99996
4431	2	6.49	24	7,671	1,322	0.018	319.63	5.80	1.000	0.99987
4602	1	0.88	41	2,173	938	0.044	53.00	2.32	1.000	0.99995
5602	2	4.43	625	129,227	580	1.078	206.76	222.81	1.002	0.99501
5603	2	3.70	54	2,302	1,232	0.044	42.63	1.87	1.000	0.99996
6021	1	0.48	12	348	665	0.018	29.00	0.52	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	282	413.08	12,056	1,313,933	159,046	0.076	108.99	8.26	1.068	0.99981