



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 2011 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.



2011 Multi-Year Worst Performing Circuits

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

- Empire employees perform a “walk-through” of the worst performing circuit collecting engineering data to support the following coordination study and sectionalizing program. 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 2011 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

Multi-Year Worst Performing Circuits SAIFI 2009 - 2011				
Location	Circuit Number	2011	2010	2009
Joplin - 2nd & Division	1230	5.810	2.335	4.634
Joplin - Northwest	1271	5.548	2.815	6.250
Joplin - Southwest	3893	4.211	3.740	2.222
Neosho - East	3981	4.489	2.972	5.346



Circuit: 1230
Area Served: Joplin, Missouri
2011 SAIFI: 5.810
2009 SAIFI: 4.634

This circuit received an infrared inspection and a comprehensive intrusive inspection in 2010. This circuit is scheduled to receive a visual inspection in 2014. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2011 and is scheduled again for 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Circuit: 1271
Area Served: Joplin, Missouri
2011 SAIFI: 5.810
2009 SAIFI: 6.250

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

Vegetation clearing is scheduled for 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Circuit: 3893
Area Served: Joplin, Missouri
2011 SAIFI: 4.211
2010 SAIFI: 3.740

This circuit is scheduled to receive a comprehensive intrusive inspection in 2012 and a visual inspection in 2013. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.



Circuit: 3981

Area Served: Neosho, Missouri

2011 SAIFI: 4.489

2009 SAIFI: 5.346

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

Vegetation clearing is scheduled for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.



2011 Worst Performing Circuits

The table below lists the 2011 Worst Performing Circuits ranked according to their SAIFI value. A more detailed list of each circuit's corrective action will follow.

Worst Performing Circuits - System 2011 Measured by SAIFI										
Location	Circuit Number	Number Of Outages	Outage Hours Reported	Customer Outage Minutes	Customers Affected	Total Cust On Affected Circuits	AREA	SAIFI	SAIDI	CAIDI
Joplin - 2nd & Division	1230	56	334.66	1,315,303	6227	1066	214	5.840	1233.58	211.23
Joplin - Northwest	1271	30	1107.91	654,804	5042	909	214	5.548	720.50	129.87
Brighton - East	3231	10	14.21	142,503	2062	404	213	5.106	352.84	69.11
Neosho - West	5602	18	84.29	568,315	3351	672	216	4.987	845.71	169.60
Noel City	4432	29	81.37	483,911	2135	433	216	4.932	1117.84	226.66
Gateway Drive	1265	57	178.55	1,141,452	7735	1611	214	4.801	708.45	147.57
Joplin - Northeast	1282	24	67.88	535,531	4187	911	214	4.596	587.85	127.90
Ozark Dam - Powersite	3122	35	84.98	583,740	3827	837	209	4.573	697.50	152.53
Neosho - East	3981	60	140.90	464,841	6252	1393	216	4.489	333.76	74.35
Joplin - 2nd & Division	1232	29	103.25	534,426	5222	1171	214	4.461	456.54	102.34
Joplin - Southwest	3893	101	234.76	259,115	3684	875	214	4.211	296.17	70.34

Circuit: 1230

Area Served: Joplin, Missouri

SAIFI: 5.840

This circuit received an infrared inspection and a comprehensive intrusive inspection in 2010. This circuit is scheduled to receive a visual inspection in 2014. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2011 and is scheduled again for 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.



Circuit: 1271

Area Served: Joplin, Missouri

SAIFI: 5.548

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

Vegetation clearing is scheduled for 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Circuit: 3231

Area Served: Brighton, Missouri

SAIFI: 5.106

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

Vegetation clearing is scheduled to be performed in 2013.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Circuit: 5602

Area Served: Neosho, Missouri

SAIFI: 4.489

This circuit received an infrared inspection in 2010. A visual inspection is scheduled in 2013 and a comprehensive intrusive inspection is scheduled in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2011 and is scheduled again in 2013.

Note: The 2011 published indices for this circuit are inaccurate. An error caused the indices to be inflated and the corrected indices are noted above.



Circuit: 4432
Area Served: Noel, Missouri
SAIFI: 4.932

This circuit received an infrared inspection in 2010. A visual inspection is scheduled in 2016 and a comprehensive intrusive inspection is scheduled in 2019. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled to be performed in 2013.

Circuit: 1265
Area Served: Joplin, Missouri
SAIFI: 4.801

This circuit received a comprehensive intrusive inspection in 2011. A visual inspection is scheduled for 2012 and an infrared inspection is scheduled in 2016. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing was performed in 2011 and is scheduled again for 2013.

Circuit: 1282
Area Served: Joplin, Missouri
SAIFI: 4.596

This circuit received an infrared inspection in 2011. A comprehensive intrusive inspection is scheduled in 2013 and visual inspection is scheduled in 2015. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

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



Circuit: 3122

Area Served: Powersite, Missouri

SAIFI: 4.573

This circuit received a visual inspection in 2009 and a comprehensive intrusive inspection in 2011. An infrared inspection is scheduled in 2015. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled for 2012.

Circuit: 3981

Area Served: Neosho, Missouri

SAIFI: 4.489

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

Vegetation clearing is scheduled for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Circuit: 1232

Area Served: Joplin, Missouri

SAIFI: 4.461

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

Vegetation clearing was performed in 2011 and scheduled again for 2013.



Circuit: 3893

Area Served: Joplin, Missouri

SAIFI: 4.211

This circuit is scheduled to receive a comprehensive intrusive inspection in 2012 and a visual inspection in 2013. The repair work identified as a result of the inspections will be completed in accordance with Empire's infrastructure inspection policy.

Vegetation clearing is scheduled for 2012.

A coordination study and sectionalizing corrective action program is scheduled for completion in 2012.

Appendix A

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2011 to 1/31/2011
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	1.48	4	356	1,350	0.003	89.00	0.26	1.000	0.99999
1051	3	3.74	51	1,633	1,049	0.049	32.02	1.56	1.000	0.99997
1082	6	43.57	6	2,615	1,271	0.005	435.83	2.06	1.000	0.99995
1091	5	11.04	105	16,362	1,607	0.065	155.83	10.18	1.029	0.99977
1092	1	0.73	1	44	1,166	0.001	44.00	0.04	1.000	0.99999
1103	1	1.38	1	83	868	0.001	83.00	0.10	1.000	0.99999
1141	1	0.60	883	31,788	894	0.988	36.00	35.56	1.000	0.99920
1142	1	0.60	206	7,416	213	0.967	36.00	34.82	1.000	0.99922
1212	1	1.50	2	180	317	0.006	90.00	0.57	1.000	0.99999
1226	1	1.30	38	2,964	345	0.110	78.00	8.59	1.000	0.99981
1227	7	9.82	1,173	69,823	1,170	1.003	59.53	59.68	1.406	0.99866
1229	2	1.99	2	119	1,996	0.001	59.50	0.06	1.000	0.99999
1230	3	12.60	114	29,349	1,069	0.107	257.45	27.45	1.425	0.99938
1243	3	3.27	1,277	43,809	1,171	1.091	34.31	37.41	1.028	0.99916
1263	1	0.72	1	43	1,309	0.001	43.00	0.03	1.000	0.99999
1267	1	2.25	22	2,970	68	0.324	135.00	43.68	1.000	0.99902
1271	3	1,039.47	3	62,368	908	0.003	20789.3	68.69	1.000	0.99846

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1273	2	4.40	12	1,964	863	0.014	163.67	2.28	1.000	0.99995
1285	3	5.16	285	32,337	1,059	0.269	113.46	30.54	1.004	0.99932
1311	1	1.12	1	67	263	0.004	67.00	0.25	1.000	0.99999
1312	1	0.87	59	3,068	905	0.065	52.00	3.39	1.000	0.99992
1452	1	0.92	1	55	443	0.002	55.00	0.12	1.000	0.99999
1453	6	8.29	59	5,831	1,768	0.033	98.83	3.30	1.017	0.99993
1454	1	3.12	91	17,017	904	0.101	187.00	18.82	1.000	0.99958
1521	1	0.62	26	962	694	0.037	37.00	1.39	1.000	0.99997
1523	3	4.10	5	436	698	0.007	87.20	0.62	1.250	0.99999
1841	1	1.08	1	65	1,316	0.001	65.00	0.05	1.000	0.99999
1842	1	3.12	10	1,870	263	0.038	187.00	7.11	1.000	0.99984
2091	3	5.78	3	347	863	0.003	115.67	0.40	1.000	0.99999
2211	2	7.35	3	804	718	0.004	268.00	1.12	1.000	0.99997
2492	2	4.33	29	665	29	1.000	22.93	22.93	1.000	0.99949
2501	1	2.92	2	350	77	0.026	175.00	4.55	1.000	0.99990
2511	1	0.87	49	2,548	607	0.081	52.00	4.20	1.000	0.99991
3081	2	1.20	2	72	563	0.004	36.00	0.13	1.000	0.99999
3121	1	0.73	1	44	1,068	0.001	44.00	0.04	1.000	0.99999
3221	2	7.11	94	29,315	1,217	0.077	311.86	24.09	1.011	0.99946
3231	1	0.85	401	20,451	403	0.995	51.00	50.75	1.000	0.99886
3304	1	0.83	29	1,450	961	0.030	50.00	1.51	1.000	0.99997
3312	1	4.20	22	5,544	353	0.062	252.00	15.71	1.000	0.99965

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3313	3	3.45	24	1,446	922	0.026	60.25	1.57	1.043	0.99996
3315	1	1.05	2	126	1,505	0.001	63.00	0.08	1.000	0.99999
3421	1	0.83	1	50	668	0.001	50.00	0.07	1.000	0.99999
3472	1	4.95	4	1,188	1,527	0.003	297.00	0.78	1.000	0.99998
3551	1	0.17	9	90	1,001	0.009	10.00	0.09	1.000	0.99999
3552	1	0.65	18	702	570	0.032	39.00	1.23	1.000	0.99997
3553	1	1.25	33	2,475	1,010	0.033	75.00	2.45	1.000	0.99995
3591	1	1.73	19	1,976	1,098	0.017	104.00	1.80	1.000	0.99996
3621	4	5.20	57	7,121	1,547	0.037	124.93	4.60	1.018	0.99990
3661	1	0.97	113	6,554	1,085	0.104	58.00	6.04	1.000	0.99986
3662	8	11.85	2,270	217,359	1,102	2.060	95.75	197.24	2.077	0.99558
3663	1	0.98	9	531	286	0.031	59.00	1.86	1.000	0.99996
3694	1	1.07	1	64	1,231	0.001	64.00	0.05	1.000	0.99999
3702	1	1.60	34	3,264	592	0.057	96.00	5.51	1.000	0.99988
3871	1	0.62	1	37	1,361	0.001	37.00	0.03	1.000	0.99999
3872	2	2.69	17	1,436	1,145	0.015	84.47	1.25	1.000	0.99997
3873	2	1.67	44	1,528	783	0.056	34.73	1.95	1.000	0.99996
3878	1	2.50	1	150	1,125	0.001	150.00	0.13	1.000	0.99999
3893	11	15.71	463	43,477	772	0.600	93.90	56.32	1.064	0.99874
3901	1	3.37	1	202	850	0.001	202.00	0.24	1.000	0.99999
3913	4	6.02	98	4,356	1,316	0.074	44.45	3.31	1.000	0.99993
3914	1	3.78	61	13,847	707	0.086	227.00	19.59	1.000	0.99956

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3951	5	6.60	38	2,591	1,067	0.036	68.18	2.43	1.027	0.99995
3971	1	0.98	2	118	647	0.003	59.00	0.18	1.000	0.99999
3981	1	0.77	25	1,150	1,468	0.017	46.00	0.78	1.000	0.99998
3982	4	8.99	196	22,397	2,050	0.096	114.27	10.93	1.043	0.99976
3991	1	3.30	1	198	703	0.001	198.00	0.28	1.000	0.99999
3992	2	4.43	2	266	161	0.012	133.00	1.65	1.000	0.99996
4091	1	1.07	1	64	1,130	0.001	64.00	0.06	1.000	0.99999
4092	1	1.12	4	268	415	0.010	67.00	0.65	1.000	0.99999
4137	1	1.50	1	90	808	0.001	90.00	0.11	1.000	0.99999
4138	3	3.48	32	2,086	705	0.045	65.19	2.96	1.000	0.99993
4142	1	1.80	1	108	574	0.002	108.00	0.19	1.000	0.99999
4151	2	3.40	2	204	1,233	0.002	102.00	0.17	1.000	0.99999
4153	1	0.85	1	51	1,258	0.001	51.00	0.04	1.000	0.99999
4171	1	1.23	1	74	1,123	0.001	74.00	0.07	1.000	0.99999
4172	7	12.86	77	3,917	1,645	0.047	50.87	2.38	1.027	0.99995
4173	1	1.15	1	69	605	0.002	69.00	0.11	1.000	0.99999
4181	1	0.58	1	35	468	0.002	35.00	0.07	1.000	0.99999
4182	1	0.72	38	1,634	986	0.039	43.00	1.66	1.000	0.99996
4211	1	1.53	14	1,288	1,277	0.011	92.00	1.01	1.000	0.99998
4212	1	1.47	11	968	792	0.014	88.00	1.22	1.000	0.99997
4221	1	4.13	30	7,440	476	0.063	248.00	15.63	1.000	0.99965
4222	4	5.56	15	1,709	1,599	0.009	113.93	1.07	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
4223	1	0.57	27	918	1,006	0.027	34.00	0.91	1.000	0.99998
4224	1	0.88	1	53	679	0.001	53.00	0.08	1.000	0.99999
4301	1	1.25	1	75	598	0.002	75.00	0.13	1.000	0.99999
4303	1	2.02	1	121	843	0.001	121.00	0.14	1.000	0.99999
4311	1	0.77	25	1,150	900	0.028	46.00	1.28	1.000	0.99997
4333	1	1.12	1	67	501	0.002	67.00	0.13	1.000	0.99999
4341	4	5.65	15	2,011	1,705	0.009	134.07	1.18	1.000	0.99997
4342	1	1.52	1	91	1,695	0.001	91.00	0.05	1.000	0.99999
4343	1	1.10	18	1,188	1,009	0.018	66.00	1.18	1.000	0.99997
4371	6	8.95	27	2,337	2,242	0.012	86.56	1.04	1.038	0.99998
4385	1	4.80	1	288	1,104	0.001	288.00	0.26	1.000	0.99999
4386	1	1.62	1,145	111,065	1,646	0.696	97.00	67.48	1.000	0.99849
4511	1	1.37	24	1,968	1,113	0.022	82.00	1.77	1.000	0.99996
5603	1	0.85	27	1,377	1,232	0.022	51.00	1.12	1.000	0.99997
6021	2	1.23	6	226	667	0.009	37.67	0.34	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	194	1,378.36	10,168	874,823	159,640	0.064	86.04	5.48	1.191	0.99988

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2011 to 2/28/2011
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	7	6.50	1,079	38,984	1,050	1.028	36.13	37.13	1.352	0.99908
1082	7	9.34	148	12,186	1,271	0.116	82.34	9.59	1.827	0.99976
1091	4	4.27	116	7,816	1,608	0.072	67.38	4.86	2.035	0.99988
1092	1	1.53	1	92	1,166	0.001	92.00	0.08	1.000	0.99999
1093	1	1.53	37	3,404	217	0.171	92.00	15.69	1.000	0.99961
1094	4	12.00	100	17,808	1,110	0.090	178.08	16.04	1.031	0.99960
1102	1	1.25	1	75	636	0.002	75.00	0.12	1.000	0.99999
1103	1	1.07	1	64	868	0.001	64.00	0.07	1.000	0.99999
1141	1	3.82	1	229	895	0.001	229.00	0.26	1.000	0.99999
1211	1	0.90	14	756	1,458	0.010	54.00	0.52	1.000	0.99999
1225	1	1.18	18	1,278	933	0.019	71.00	1.37	1.000	0.99997
1227	1	2.47	112	16,576	1,170	0.096	148.00	14.17	1.000	0.99965
1230	3	2.64	113	2,639	1,068	0.106	23.35	2.47	1.009	0.99994
1232	2	3.07	2	184	1,161	0.002	92.00	0.16	1.000	0.99999
1233	1	1.43	1	86	638	0.002	86.00	0.13	1.000	0.99999
1241	1	0.87	88	4,576	827	0.106	52.00	5.53	1.000	0.99986
1263	2	4.39	70	9,097	1,309	0.053	129.96	6.95	1.000	0.99983

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	1	1.07	914	58,496	908	1.007	64.00	64.42	1.000	0.99840
1273	4	8.59	49	6,149	863	0.057	125.49	7.13	1.089	0.99982
1281	1	1.10	1	66	101	0.010	66.00	0.65	1.000	0.99998
1284	1	1.22	1	73	864	0.001	73.00	0.08	1.000	0.99999
1311	1	1.62	1	97	263	0.004	97.00	0.37	1.000	0.99999
1312	1	1.72	19	1,957	906	0.021	103.00	2.16	1.000	0.99995
1452	1	1.35	1	81	444	0.002	81.00	0.18	1.000	0.99999
1454	2	2.06	992	44,494	904	1.097	44.85	49.22	1.101	0.99878
1521	2	2.72	140	9,955	694	0.202	71.11	14.34	1.000	0.99964
1523	3	3.46	16	754	698	0.023	47.13	1.08	1.067	0.99997
1841	1	61.47	1	3,688	1,318	0.001	3688.00	2.80	1.000	0.99993
2052	1	2.95	1	177	85	0.012	177.00	2.08	1.000	0.99995
2091	1	1.45	484	42,108	863	0.561	87.00	48.79	1.000	0.99879
2171	1	1.25	1	75	546	0.002	75.00	0.14	1.000	0.99999
2622	1	3.45	6	1,242	114	0.053	207.00	10.89	1.000	0.99973
2951	1	0.92	17	935	1,344	0.013	55.00	0.70	1.000	0.99998
2962	2	4.38	24	5,081	250	0.096	211.71	20.32	1.043	0.99950
3081	1	0.95	1	57	562	0.002	57.00	0.10	1.000	0.99999
3082	1	0.93	1	56	321	0.003	56.00	0.17	1.000	0.99999
3122	1	1.98	20	2,380	836	0.024	119.00	2.85	1.000	0.99993
3221	2	7.12	5	1,096	1,217	0.004	219.20	0.90	1.000	0.99998
3222	1	2.67	1	160	752	0.001	160.00	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
3231	1	0.67	401	16,040	404	0.993	40.00	39.70	1.000	0.99902
3301	1	1.87	6	672	205	0.029	112.00	3.28	1.000	0.99992
3314	1	2.88	1	173	222	0.005	173.00	0.78	1.000	0.99998
3315	5	4.92	237	15,143	1,530	0.155	63.89	9.90	4.017	0.99975
3421	1	0.87	1	52	669	0.001	52.00	0.08	1.000	0.99999
3422	2	3.65	78	4,551	955	0.082	58.35	4.77	1.013	0.99988
3472	2	3.63	4	378	1,528	0.003	94.50	0.25	1.333	0.99999
3592	1	2.03	4	488	1,678	0.002	122.00	0.29	1.000	0.99999
3621	1	1.07	1	64	1,548	0.001	64.00	0.04	1.000	0.99999
3661	3	10.40	39	6,006	1,086	0.036	154.00	5.53	1.026	0.99986
3662	1	3.90	6	1,404	1,106	0.005	234.00	1.27	1.000	0.99997
3671	1	0.80	7	336	1,096	0.006	48.00	0.31	1.000	0.99999
3691	1	2.25	6	810	1,120	0.005	135.00	0.72	1.000	0.99998
3701	1	4.42	1	265	468	0.002	265.00	0.57	1.000	0.99999
3751	2	1.67	33	1,867	1,148	0.029	56.58	1.63	1.031	0.99996
3878	2	4.88	108	18,419	1,124	0.096	170.55	16.39	1.009	0.99959
3891	2	4.13	404	28,790	409	0.988	71.26	70.39	1.002	0.99825
3893	2	3.98	19	2,264	772	0.025	119.16	2.93	1.900	0.99993
3901	1	2.05	1	123	852	0.001	123.00	0.14	1.000	0.99999
3903	1	1.12	1	67	286	0.003	67.00	0.23	1.000	0.99999
3912	1	0.78	22	1,034	1,114	0.020	47.00	0.93	1.000	0.99998
3913	1	1.82	1	109	1,130	0.001	109.00	0.10	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3914	3	2.84	63	4,850	694	0.091	76.98	6.99	1.033	0.99983
3951	1	1.58	1	95	1,067	0.001	95.00	0.09	1.000	0.99999
3981	1	0.98	1	59	1,469	0.001	59.00	0.04	1.000	0.99999
3991	2	5.90	2	354	704	0.003	177.00	0.50	1.000	0.99999
4031	1	2.22	1	133	686	0.001	133.00	0.19	1.000	0.99999
4092	1	2.38	13	1,859	415	0.031	143.00	4.48	1.000	0.99989
4134	1	1.32	9	711	827	0.011	79.00	0.86	1.000	0.99998
4142	1	2.15	1	129	576	0.002	129.00	0.22	1.000	0.99999
4151	1	1.20	1	72	1,233	0.001	72.00	0.06	1.000	0.99999
4153	2	1.30	15	533	1,260	0.012	35.53	0.42	1.071	0.99999
4154	4	4.79	28	2,009	1,082	0.026	71.75	1.86	4.000	0.99995
4171	2	3.00	2	180	1,124	0.002	90.00	0.16	1.000	0.99999
4172	7	6.84	196	12,755	1,643	0.119	65.08	7.76	1.922	0.99981
4181	1	1.95	1	117	468	0.002	117.00	0.25	1.000	0.99999
4211	6	10.46	1,386	191,288	1,278	1.085	138.01	149.68	1.545	0.99629
4212	2	2.10	2	126	792	0.003	63.00	0.16	1.000	0.99999
4221	2	2.05	5	189	476	0.011	37.80	0.40	1.250	0.99999
4302	1	3.42	73	14,965	641	0.114	205.00	23.35	1.000	0.99942
4341	2	4.45	2	267	1,706	0.001	133.50	0.16	1.000	0.99999
4342	1	2.00	6	720	1,695	0.004	120.00	0.42	1.000	0.99999
4343	1	0.55	18	594	1,010	0.018	33.00	0.59	1.000	0.99999
4361	3	96,440.53	9	5,787,074	1,907	0.005	643008.	3034.65	1.286	0.92474

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	0.62	36	1,332	809	0.044	37.00	1.65	1.000	0.99996
4371	1	1.42	9	765	1,872	0.005	85.00	0.41	1.000	0.99999
4386	1	1.48	238	21,182	1,646	0.145	89.00	12.87	1.000	0.99968
4431	4	8.78	81	8,269	1,324	0.061	102.09	6.25	1.025	0.99985
4432	3	5.18	51	4,631	432	0.118	90.80	10.72	2.040	0.99973
4602	6	12.01	14	4,310	938	0.015	307.86	4.59	1.750	0.99989
5602	2	3.72	665	74,360	668	0.996	111.82	111.32	1.220	0.99724
5603	2	2.98	2,455	219,746	1,232	1.993	89.51	178.37	1.999	0.99558
6141	1	1.12	1	67	622	0.002	67.00	0.11	1.000	0.99999
6144	1	1.72	1	103	313	0.003	103.00	0.33	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	172	96,779.52	11,365	6,747,926	159,255	0.071	593.75	42.37	1.310	0.99895

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2011 to 3/31/2011
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	0.52	49	1,519	1,352	0.036	31.00	1.12	1.000	0.99997
1051	1	0.57	48	1,632	1,051	0.046	34.00	1.55	1.000	0.99997
1082	2	1.88	39	2,202	1,271	0.031	56.46	1.73	1.000	0.99996
1091	4	7.02	4	421	1,608	0.002	105.25	0.26	1.000	0.99999
1092	4	7.18	26	1,837	1,166	0.022	70.65	1.58	1.000	0.99996
1094	1	1.23	95	7,030	1,112	0.085	74.00	6.32	1.000	0.99986
1103	1	1.40	15	1,260	868	0.017	84.00	1.45	1.000	0.99997
1211	2	3.44	2	206	1,459	0.001	103.00	0.14	1.000	0.99999
1213	1	3.83	1	230	539	0.002	230.00	0.43	1.000	0.99999
1225	1	0.75	1	45	933	0.001	45.00	0.05	1.000	0.99999
1226	1	0.83	1	50	345	0.003	50.00	0.14	1.000	0.99999
1227	4	6.05	217	10,677	1,170	0.185	49.20	9.13	1.009	0.99980
1228	1	0.40	1	24	577	0.002	24.00	0.04	1.000	0.99999
1229	1	0.68	90	3,690	1,996	0.045	41.00	1.85	1.000	0.99996
1230	1	0.93	1	56	1,068	0.001	56.00	0.05	1.000	0.99999
1232	4	4.23	1,299	65,771	1,161	1.119	50.63	56.65	1.110	0.99873
1233	1	0.65	57	2,223	638	0.089	39.00	3.48	1.000	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
1241	1	1.82	844	91,996	828	1.019	109.00	111.11	1.000	0.99751
1243	1	0.10	18	108	1,175	0.015	6.00	0.09	1.000	0.99999
1261	1	0.83	1	50	382	0.003	50.00	0.13	1.000	0.99999
1263	2	2.75	258	28,695	1,309	0.197	111.22	21.92	1.028	0.99951
1265	4	8.39	278	42,440	1,308	0.213	152.66	32.45	1.004	0.99927
1271	2	2.05	912	52,848	909	1.003	57.95	58.14	1.357	0.99870
1273	2	2.71	6	576	863	0.007	96.00	0.67	1.000	0.99999
1283	1	3.15	1	189	348	0.003	189.00	0.54	1.000	0.99999
1284	2	26.05	26	20,040	865	0.030	770.77	23.17	1.000	0.99948
1312	1	1.93	1	116	907	0.001	116.00	0.13	1.000	0.99999
1451	1	2.00	509	61,080	513	0.992	120.00	119.06	1.000	0.99733
1452	4	3.48	456	54,694	444	1.027	119.94	123.18	1.032	0.99724
1453	3	4.56	1,773	221,524	1,768	1.003	124.94	125.30	1.001	0.99719
1454	2	1.68	92	1,901	904	0.102	20.66	2.10	1.000	0.99995
1455	1	3.63	1	218	527	0.002	218.00	0.41	1.000	0.99999
1521	1	3.88	1	233	695	0.001	233.00	0.34	1.000	0.99999
1523	1	1.17	4	280	698	0.006	70.00	0.40	1.000	0.99999
1841	2	4.85	2	291	1,319	0.002	145.50	0.22	2.000	0.99999
1843	3	7.95	72	8,195	1,059	0.068	113.82	7.74	1.029	0.99983
2052	1	3.72	1	223	85	0.012	223.00	2.62	1.000	0.99994
2092	1	3.90	13	3,042	896	0.015	234.00	3.40	1.000	0.99992
2211	1	1.20	51	3,672	718	0.071	72.00	5.11	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
2212	1	1.80	20	2,160	1,251	0.016	108.00	1.73	1.000	0.99996
2511	1	2.47	1	148	607	0.002	148.00	0.24	1.000	0.99999
2621	2	3.34	294	18,012	1,116	0.263	61.27	16.14	1.003	0.99964
2921	5	9.85	9	847	398	0.023	94.11	2.13	1.800	0.99995
2951	2	2.94	85	4,492	1,344	0.063	52.85	3.34	1.012	0.99993
2961	4	5.04	982	106,964	964	1.019	108.92	110.96	1.035	0.99751
2962	8	11.34	8	681	250	0.032	85.13	2.72	1.000	0.99994
3041	1	1.02	76	4,636	77	0.987	61.00	60.21	1.000	0.99865
3082	1	0.93	1	56	321	0.003	56.00	0.17	1.000	0.99999
3122	6	18.63	1,691	237,471	837	2.020	140.43	283.72	2.030	0.99364
3181	2	2.80	65	5,082	702	0.093	78.18	7.24	1.016	0.99984
3222	2	3.50	45	5,413	754	0.060	120.29	7.18	1.000	0.99984
3231	1	1.30	30	2,340	404	0.074	78.00	5.79	1.000	0.99987
3232	1	0.88	1	53	414	0.002	53.00	0.13	1.000	0.99999
3301	3	6.05	13	1,563	205	0.063	120.23	7.62	1.000	0.99983
3311	1	0.67	8	320	471	0.017	40.00	0.68	1.000	0.99998
3315	1	3.08	317	58,645	1,556	0.204	185.00	37.69	1.000	0.99916
3421	4	5.25	683	87,908	670	1.019	128.71	131.21	1.194	0.99706
3422	1	2.37	947	134,474	956	0.991	142.00	140.66	1.000	0.99685
3471	1	3.47	158	32,864	159	0.994	208.00	206.69	1.000	0.99537
3472	16	15.00	3,073	598,968	1,528	2.011	194.91	391.99	2.054	0.99122
3553	2	0.67	10	232	1,012	0.010	23.20	0.23	1.111	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
3591	2	2.27	31	2,162	1,098	0.028	69.74	1.97	1.000	0.99996
3592	2	4.78	10	935	1,678	0.006	93.50	0.56	1.000	0.99999
3593	2	2.43	91	6,725	928	0.098	73.90	7.25	1.000	0.99984
3621	2	4.88	199	30,828	1,549	0.128	154.91	19.90	1.000	0.99955
3661	3	4.16	182	19,684	1,086	0.168	108.15	18.13	1.000	0.99959
3662	2	4.45	36	3,871	1,111	0.032	107.53	3.48	1.029	0.99992
3671	4	2.50	1,592	38,460	1,096	1.453	24.16	35.09	1.186	0.99921
3675	3	2.42	65	3,369	415	0.157	51.83	8.12	1.016	0.99982
3693	1	2.27	187	25,432	186	1.005	136.00	136.73	1.000	0.99694
3694	1	2.22	4	532	1,231	0.003	133.00	0.43	1.000	0.99999
3751	7	6.46	76	4,104	1,149	0.066	54.00	3.57	1.000	0.99992
3873	2	0.99	739	10,828	783	0.944	14.65	13.83	1.053	0.99969
3878	2	1.42	18	765	1,124	0.016	42.50	0.68	1.000	0.99998
3891	3	7.70	17	2,534	409	0.042	149.06	6.20	1.133	0.99986
3893	3	3.23	977	20,299	772	1.266	20.78	26.29	1.275	0.99941
3901	1	2.80	1	168	854	0.001	168.00	0.20	1.000	0.99999
3912	2	5.55	7	1,088	1,114	0.006	155.43	0.98	1.167	0.99998
3913	1	2.20	937	123,684	943	0.994	132.00	131.16	1.000	0.99706
3914	1	1.70	48	4,896	680	0.071	102.00	7.20	1.000	0.99984
3951	6	10.85	253	28,201	1,067	0.237	111.47	26.43	1.024	0.99941
3952	2	3.38	30	2,807	373	0.080	93.57	7.53	1.034	0.99983
3981	6	8.26	1,474	120,534	1,420	1.038	81.77	84.88	1.109	0.99810

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3982	2	7.99	2,006	174,257	2,014	0.996	86.87	86.52	1.016	0.99806
3991	3	7.77	7	970	704	0.010	138.57	1.38	1.000	0.99997
403	1	3.60	1	216	259	0.004	216.00	0.83	1.000	0.99998
4031	2	2.79	10	751	686	0.015	75.10	1.09	1.000	0.99998
4091	5	5.85	2,255	226,476	1,132	1.992	100.43	200.07	2.003	0.99552
4092	4	4.03	801	44,478	415	1.930	55.53	107.18	2.003	0.99760
4101	3	2.62	3	157	574	0.005	52.33	0.27	1.000	0.99999
4102	2	10.00	47	14,550	868	0.054	309.57	16.76	1.000	0.99962
4134	1	0.78	9	423	827	0.011	47.00	0.51	1.000	0.99999
4137	1	0.83	1	50	808	0.001	50.00	0.06	1.000	0.99999
4138	2	1.60	712	24,236	706	1.008	34.04	34.33	1.001	0.99923
4142	2	3.18	20	1,873	577	0.035	93.65	3.25	1.000	0.99993
4151	2	1.60	37	866	1,233	0.030	23.41	0.70	1.000	0.99998
4152	1	1.60	38	3,648	779	0.049	96.00	4.68	1.000	0.99990
4153	3	3.58	15	1,283	1,262	0.012	85.53	1.02	1.000	0.99998
4155	2	3.72	21	1,854	2,026	0.010	88.29	0.92	1.000	0.99998
4171	1	2.22	14	1,862	1,124	0.012	133.00	1.66	1.000	0.99996
4172	5	11.85	128	16,578	1,641	0.078	129.52	10.10	1.024	0.99977
4173	1	1.72	1	103	605	0.002	103.00	0.17	1.000	0.99999
4182	6	9.63	933	33,236	987	0.945	35.62	33.67	1.008	0.99925
4211	1	5.07	1	304	1,279	0.001	304.00	0.24	1.000	0.99999
4221	4	10.48	4	629	476	0.008	157.25	1.32	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4222	5	18.14	61	6,801	1,600	0.038	111.49	4.25	1.070	0.99990
4223	1	1.47	1	88	1,006	0.001	88.00	0.09	1.000	0.99999
4301	1	2.33	7	980	598	0.012	140.00	1.64	1.000	0.99996
4302	2	4.20	76	3,508	641	0.119	46.16	5.47	1.013	0.99988
4313	2	3.07	5	571	530	0.009	114.20	1.08	1.000	0.99998
4341	1	1.12	1	67	1,707	0.001	67.00	0.04	1.000	0.99999
4343	3	4.36	93	6,148	1,010	0.092	66.11	6.09	1.011	0.99986
4361	2	1.63	1,821	120,152	1,909	0.954	65.98	62.94	1.001	0.99859
4362	3	2.41	861	54,834	809	1.064	63.69	67.78	1.095	0.99848
4363	2	2.20	660	43,560	654	1.009	66.00	66.61	1.002	0.99851
4371	4	5.43	20	1,558	1,503	0.013	77.90	1.04	1.000	0.99998
4372	3	6.21	25	2,115	417	0.060	84.60	5.07	1.042	0.99989
4383	1	1.23	84	6,216	140	0.600	74.00	44.40	1.000	0.99901
4432	2	3.05	26	1,023	433	0.060	39.35	2.36	1.000	0.99995
4601	1	2.08	1	125	57	0.018	125.00	2.19	1.000	0.99995
5602	2	4.87	19	1,924	669	0.028	101.26	2.88	1.056	0.99994
5603	1	1.78	23	2,461	1,233	0.019	107.00	2.00	1.000	0.99996
6021	1	0.48	17	493	667	0.025	29.00	0.74	1.000	0.99998
6142	1	1.65	38	3,762	296	0.128	99.00	12.71	1.000	0.99972
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	285	492.93	33,660	3,251,705	159,915	0.210	96.60	20.33	1.183	0.99954

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2011 to 4/30/2011
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	1.10	1	66	1,051	0.001	66.00	0.06	1.000	0.99999
1081	1	1.33	2	160	18	0.111	80.00	8.89	1.000	0.99979
1082	4	8.23	22	1,934	1,271	0.017	87.91	1.52	1.048	0.99996
1091	9	13.95	242	25,312	1,608	0.150	104.60	15.74	1.367	0.99964
1092	1	1.67	1	100	1,166	0.001	100.00	0.09	1.000	0.99999
1093	1	0.82	28	1,372	217	0.129	49.00	6.32	1.000	0.99985
1094	1	0.78	95	4,465	1,112	0.085	47.00	4.02	1.000	0.99991
1102	1	0.75	17	765	636	0.027	45.00	1.20	1.000	0.99997
1141	2	4.03	6	838	896	0.007	139.67	0.94	1.000	0.99998
1211	2	4.38	30	2,419	1,459	0.021	80.63	1.66	1.034	0.99996
1212	2	2.37	2	142	318	0.006	71.00	0.45	1.000	0.99999
1213	2	3.77	5	730	539	0.009	146.00	1.35	1.000	0.99997
1226	1	1.13	1	68	345	0.003	68.00	0.20	1.000	0.99999
1227	4	7.42	112	7,399	1,170	0.096	66.06	6.32	1.028	0.99985
1229	1	1.28	83	6,391	1,996	0.042	77.00	3.20	1.000	0.99993
1230	1	1.22	30	2,190	1,068	0.028	73.00	2.05	1.000	0.99995
1242	1	6.17	1	370	670	0.001	370.00	0.55	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	3	4.76	21	1,786	1,175	0.018	85.05	1.52	1.000	0.99996
1261	1	1.15	398	27,462	382	1.042	69.00	71.89	1.000	0.99834
1262	1	3.37	1	202	208	0.005	202.00	0.97	1.000	0.99998
1263	2	1.22	16	717	1,309	0.012	44.81	0.55	1.000	0.99999
1265	4	11.27	118	6,764	1,308	0.090	57.32	5.17	1.054	0.99988
1271	4	7.75	1,042	161,202	909	1.146	154.70	177.34	1.143	0.99589
1273	1	0.77	1	46	863	0.001	46.00	0.05	1.000	0.99999
1282	3	2.10	1,005	33,192	911	1.103	33.03	36.43	1.101	0.99916
1285	4	15.00	189	46,392	1,060	0.178	245.46	43.77	1.022	0.99899
1286	1	0.60	1	36	40	0.025	36.00	0.90	1.000	0.99998
1311	2	2.64	7	553	263	0.027	79.00	2.10	1.000	0.99995
1312	8	24.33	15	2,583	907	0.017	172.20	2.85	1.000	0.99993
1451	1	1.93	27	3,132	513	0.053	116.00	6.11	1.000	0.99986
1452	7	9.68	507	33,724	444	1.142	66.52	75.95	1.054	0.99824
1453	2	4.85	9	473	1,768	0.005	52.56	0.27	1.000	0.99999
1454	1	1.00	137	8,220	904	0.152	60.00	9.09	1.000	0.99979
1455	5	6.87	506	37,912	527	0.960	74.92	71.94	1.450	0.99833
1521	6	11.37	120	14,745	692	0.173	122.88	21.31	1.026	0.99951
1523	1	2.35	1	141	698	0.001	141.00	0.20	1.000	0.99999
1843	1	1.22	36	2,628	1,059	0.034	73.00	2.48	1.000	0.99994
2171	1	1.32	44	3,476	547	0.080	79.00	6.35	1.000	0.99985
2211	5	5.82	24	1,633	718	0.033	68.04	2.27	1.043	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
2212	4	8.49	73	9,025	1,251	0.058	123.63	7.21	1.281	0.99983
2511	2	3.05	2	183	607	0.003	91.50	0.30	1.000	0.99999
2621	3	6.26	21	3,094	1,116	0.019	147.33	2.77	1.000	0.99994
2921	1	2.93	5	880	398	0.013	176.00	2.21	1.000	0.99995
2951	2	4.21	454	19,022	1,344	0.338	41.90	14.15	1.023	0.99967
2961	1	1.10	1	66	964	0.001	66.00	0.07	1.000	0.99999
3082	1	1.52	29	2,639	321	0.090	91.00	8.22	1.000	0.99981
3121	1	1.22	1	73	1,068	0.001	73.00	0.07	1.000	0.99999
3122	4	7.45	110	6,096	837	0.131	55.42	7.28	1.019	0.99983
3123	4	3.21	35	3,045	702	0.050	87.00	4.34	1.094	0.99990
3181	2	0.75	2	45	702	0.003	22.50	0.06	1.000	0.99999
3221	1	2.58	1	155	1,217	0.001	155.00	0.13	1.000	0.99999
3222	2	4.44	2	266	754	0.003	133.00	0.35	2.000	0.99999
3231	1	0.67	401	16,040	404	0.993	40.00	39.70	1.000	0.99908
3302	2	2.04	40	2,440	800	0.050	61.00	3.05	1.000	0.99993
3304	2	2.46	164	12,136	962	0.170	74.00	12.62	1.025	0.99971
3311	4	10.23	32	4,933	471	0.068	154.16	10.47	1.000	0.99976
3314	1	1.93	6	696	222	0.027	116.00	3.14	1.000	0.99993
3315	5	10.88	179	22,229	1,556	0.115	124.18	14.29	1.689	0.99967
3421	3	6.08	3	365	670	0.004	121.67	0.54	1.000	0.99999
3472	2	2.32	1,567	122,425	1,528	1.026	78.13	80.12	1.048	0.99815
3552	5	7.71	17	1,147	570	0.030	67.47	2.01	1.133	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
3553	1	2.17	7	910	1,012	0.007	130.00	0.90	1.000	0.99998
3591	1	2.23	1	134	1,098	0.001	134.00	0.12	1.000	0.99999
3594	1	2.28	22	3,014	615	0.036	137.00	4.90	1.000	0.99989
3621	24	27.15	489	40,062	1,549	0.316	81.93	25.86	1.019	0.99940
3661	4	4.09	217	13,945	1,086	0.200	64.26	12.84	1.009	0.99970
3662	2	3.05	64	6,153	1,111	0.058	96.14	5.54	1.032	0.99987
3663	2	1.32	2	79	287	0.007	39.50	0.28	1.000	0.99999
3671	1	1.25	4	300	1,096	0.004	75.00	0.27	1.000	0.99999
3691	1	2.82	89	15,041	1,120	0.079	169.00	13.43	1.000	0.99969
3692	2	3.89	7	763	402	0.017	109.00	1.90	1.000	0.99996
3694	1	3.23	1	194	1,231	0.001	194.00	0.16	1.000	0.99999
3702	4	4.89	4	294	592	0.007	73.50	0.50	1.000	0.99999
3751	9	17.57	81	4,752	1,149	0.070	58.67	4.14	1.025	0.99990
3871	5	4.69	138	8,467	1,361	0.101	61.36	6.22	1.015	0.99986
3873	1	1.33	1	80	783	0.001	80.00	0.10	1.000	0.99999
3878	3	5.73	43	3,816	1,124	0.038	88.74	3.40	1.024	0.99992
3891	9	11.31	412	53,069	409	1.007	128.81	129.75	1.020	0.99700
3893	27	31.88	768	59,859	772	0.995	77.94	77.54	1.048	0.99821
3901	2	6.64	67	10,795	854	0.078	161.12	12.64	1.000	0.99971
3912	2	3.85	2	231	1,114	0.002	115.50	0.21	1.000	0.99999
3913	3	4.62	74	6,352	943	0.078	85.84	6.74	1.000	0.99984
3914	3	3.76	656	80,357	680	0.965	122.50	118.17	1.025	0.99726

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3971	3	8.78	77	19,545	647	0.119	253.83	30.21	1.000	0.99930
3981	2	2.30	16	1,076	1,371	0.012	67.25	0.78	1.067	0.99998
3982	3	7.24	207	37,646	1,976	0.105	181.86	19.05	1.005	0.99956
3991	1	1.33	1	80	704	0.001	80.00	0.11	1.000	0.99999
3992	4	8.95	4	537	161	0.025	134.25	3.34	1.000	0.99992
402	2	2.63	2	158	107	0.019	79.00	1.48	1.000	0.99997
403	1	0.25	1	15	259	0.004	15.00	0.06	1.000	0.99999
4031	2	2.28	15	1,099	686	0.022	73.27	1.60	1.071	0.99996
4092	1	2.68	1	161	415	0.002	161.00	0.39	1.000	0.99999
4101	1	1.83	1	110	574	0.002	110.00	0.19	1.000	0.99999
4102	1	0.93	18	1,008	868	0.021	56.00	1.16	1.000	0.99997
4133	1	0.42	1	25	315	0.003	25.00	0.08	1.000	0.99999
4134	2	2.40	40	2,880	827	0.048	72.00	3.48	2.000	0.99992
4137	1	0.95	27	1,539	808	0.033	57.00	1.90	1.000	0.99996
4138	1	0.60	1	36	706	0.001	36.00	0.05	1.000	0.99999
4142	3	8.04	3	483	577	0.005	161.00	0.84	1.000	0.99998
4151	2	0.84	1,248	24,360	1,233	1.012	19.52	19.76	1.045	0.99954
4152	5	7.41	1,134	37,379	779	1.456	32.96	47.98	1.425	0.99889
4153	4	23.82	1,503	213,275	1,262	1.191	141.90	169.00	1.344	0.99609
4155	2	2.74	2	164	2,024	0.001	82.00	0.08	1.000	0.99999
4171	5	6.29	245	19,599	1,124	0.218	80.00	17.44	1.008	0.99960
4172	4	5.36	254	26,212	1,641	0.155	103.20	15.97	1.000	0.99963

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4181	1	1.42	1	85	468	0.002	85.00	0.18	1.000	0.99999
4182	2	2.00	2	120	987	0.002	60.00	0.12	1.000	0.99999
4211	2	5.00	2	300	1,279	0.002	150.00	0.23	1.000	0.99999
4212	6	9.70	150	26,058	792	0.189	173.72	32.90	1.014	0.99924
4222	5	9.67	13	2,071	1,600	0.008	159.31	1.29	1.000	0.99997
4223	1	0.47	70	1,960	1,006	0.070	28.00	1.95	1.000	0.99995
4224	2	9.15	32	10,629	679	0.047	332.16	15.65	1.000	0.99964
4303	4	8.44	59	6,471	844	0.070	109.68	7.67	1.000	0.99982
4312	1	0.53	1	32	973	0.001	32.00	0.03	1.000	0.99999
4313	1	2.13	542	69,376	530	1.023	128.00	130.90	1.000	0.99697
4322	2	7.10	2	426	88	0.023	213.00	4.84	1.000	0.99989
4324	1	0.63	1	38	1,061	0.001	38.00	0.04	1.000	0.99999
4341	5	7.33	33	1,762	1,707	0.019	53.39	1.03	1.031	0.99998
4342	3	6.19	187	27,638	1,695	0.110	147.80	16.31	1.264	0.99962
4343	2	2.78	20	1,752	1,010	0.020	87.60	1.73	1.000	0.99996
4361	3	5.40	48	4,602	1,909	0.025	95.88	2.41	1.043	0.99994
4362	1	1.30	50	3,900	809	0.062	78.00	4.82	1.000	0.99989
4371	7	12.90	1,409	99,104	1,503	0.937	70.34	65.94	1.935	0.99847
4372	3	8.50	14	2,006	417	0.034	143.29	4.81	1.167	0.99989
4385	2	4.15	2	249	1,102	0.002	124.50	0.23	1.000	0.99999
4431	1	0.98	1	59	1,327	0.001	59.00	0.04	1.000	0.99999
4432	5	8.77	101	10,607	433	0.233	105.02	24.50	1.980	0.99943

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4511	1	1.12	33	2,211	1,114	0.030	67.00	1.98	1.000	0.99995
453	1	1.95	126	14,742	129	0.977	117.00	114.28	1.000	0.99735
454	1	1.97	103	12,154	105	0.981	118.00	115.75	1.000	0.99732
4601	1	1.47	1	88	57	0.018	88.00	1.54	1.000	0.99996
4602	5	16.96	23	4,723	938	0.025	205.35	5.04	1.000	0.99988
5602	3	5.93	666	99,092	669	0.996	148.79	148.12	1.222	0.99657
5603	4	4.37	78	5,570	1,233	0.063	71.41	4.52	1.083	0.99990
6141	2	5.93	178	27,812	624	0.285	156.25	44.57	1.000	0.99897
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	389	675.36	19,946	1,800,431	158,879	0.126	90.27	11.33	1.140	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2011 to 5/31/2011
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	12.52	220	36,532	1,352	0.163	166.05	27.02	1.117	0.99939
1051	1	1.00	161	9,660	1,051	0.153	60.00	9.19	1.000	0.99979
1082	6	56.29	55	15,712	1,271	0.043	285.67	12.36	1.078	0.99972
1091	12	110.71	585	434,423	1,608	0.364	742.60	270.16	1.045	0.99395
1092	2	26.81	68	45,895	1,166	0.058	674.93	39.36	1.015	0.99912
1093	1	15.65	4	3,756	217	0.018	939.00	17.31	1.000	0.99961
1094	8	128.06	133	14,671	1,112	0.120	110.31	13.19	1.000	0.99970
1101	3	19.40	17	13,848	868	0.020	814.59	15.95	1.063	0.99964
1141	1	1.50	37	3,330	896	0.041	90.00	3.72	1.000	0.99992
1211	4	8.75	18	2,107	1,459	0.012	117.06	1.44	1.059	0.99997
1212	10	21.68	10	1,301	318	0.031	130.10	4.09	1.000	0.99991
1213	1	1.33	26	2,080	539	0.048	80.00	3.86	1.000	0.99991
1225	7	89.59	222	62,792	933	0.238	282.85	67.30	1.023	0.99849
1227	7	167.06	3,497	4,612,919	1,170	2.989	1319.11	3942.67	3.293	0.91168
1228	1	5.75	1	345	577	0.002	345.00	0.60	1.000	0.99999
1229	42	759.87	3,737	4,539,330	1,996	1.872	1214.70	2274.21	2.423	0.94905
1230	18	319.76	3,278	5,268,684	1,068	3.069	1607.29	4933.22	1.634	0.88949

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1232	6	216.23	100	17,738	1,173	0.085	177.38	15.12	1.000	0.99966
1233	8	129.50	753	2,506,249	638	1.180	3328.35	3928.29	1.190	0.91200
1241	4	11.54	74	13,751	828	0.089	185.82	16.61	1.042	0.99963
1242	1	1.65	1	99	670	0.001	99.00	0.15	1.000	0.99999
1243	2	5.37	3	553	1,175	0.003	184.33	0.47	1.000	0.99999
1261	2	11.84	363	243,663	382	0.950	671.25	637.86	1.003	0.98571
1262	3	130.40	205	1,250,000	208	0.986	6097.56	6009.62	1.114	0.86538
1263	24	432.54	1,466	2,895,113	1,309	1.120	1974.84	2211.70	1.174	0.95045
1265	8	183.62	3,093	17,297,184	1,308	2.365	5592.36	13224.1	1.556	0.70376
1271	6	113.78	995	4,729,409	909	1.095	4753.17	5202.87	1.087	0.88345
1273	12	191.48	241	97,603	863	0.279	404.99	113.10	1.021	0.99747
1282	2	142.60	109	895,158	911	0.120	8212.46	982.61	1.009	0.97799
1283	5	55.96	116	87,940	348	0.333	758.10	252.70	1.000	0.99434
1284	10	131.96	311	1,087,455	853	0.365	3496.64	1274.86	1.026	0.97144
1285	5	15.93	232	86,809	1,060	0.219	374.18	81.90	1.064	0.99817
1311	3	49.50	244	640,457	263	0.928	2624.82	2435.20	1.030	0.94545
1312	2	42.40	517	1,266,869	907	0.570	2450.42	1396.77	1.002	0.96871
1451	5	38.06	587	43,706	513	1.144	74.46	85.20	1.162	0.99809
1452	4	15.83	35	3,957	444	0.079	113.06	8.91	1.000	0.99980
1453	12	266.98	543	1,365,398	1,768	0.307	2514.55	772.28	1.000	0.98270
1454	4	7.02	4	421	904	0.004	105.25	0.47	1.333	0.99999
1455	8	17.40	158	41,357	527	0.300	261.75	78.48	1.082	0.99824

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1521	19	166.00	384	188,420	688	0.558	490.68	273.87	1.082	0.99387
1522	2	19.93	8	1,754	96	0.083	219.25	18.27	1.000	0.99959
1523	8	40.87	42	8,505	698	0.060	202.50	12.18	1.024	0.99973
1843	4	11.00	1,214	152,745	1,059	1.146	125.82	144.24	1.145	0.99677
2051	6	71.39	155	316,779	158	0.981	2043.74	2004.93	4.079	0.95509
2052	5	87.22	81	136,645	85	0.953	1686.98	1607.59	1.761	0.96399
2091	2	4.93	15	3,754	863	0.017	250.27	4.35	1.000	0.99990
2092	3	5.89	5	532	896	0.006	106.40	0.59	1.000	0.99999
2171	2	4.29	45	2,364	547	0.082	52.53	4.32	1.023	0.99990
2172	1	0.93	1	56	216	0.005	56.00	0.26	1.000	0.99999
2211	6	9.69	71	5,221	718	0.099	73.54	7.27	1.029	0.99984
2212	4	9.44	60	12,550	1,251	0.048	209.17	10.03	2.069	0.99978
2511	3	6.62	3	397	607	0.005	132.33	0.65	1.000	0.99999
2621	2	4.60	22	1,776	1,116	0.020	80.73	1.59	1.048	0.99996
2921	5	232.20	5	13,932	398	0.013	2786.40	35.01	1.000	0.99922
2951	9	19.18	29	3,520	1,344	0.022	121.38	2.62	1.074	0.99994
2961	3	8.02	20	2,555	964	0.021	127.75	2.65	1.000	0.99994
2962	1	4.12	1	247	250	0.004	247.00	0.99	1.000	0.99998
3041	1	1.30	1	78	77	0.013	78.00	1.01	1.000	0.99998
3082	1	0.25	1	15	321	0.003	15.00	0.05	1.000	0.99999
3122	3	5.92	42	3,014	837	0.050	71.76	3.60	1.000	0.99992
3123	1	1.53	5	460	702	0.007	92.00	0.66	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3221	5	21.18	34	4,967	1,217	0.028	146.09	4.08	1.789	0.99991
3222	8	33.56	58	24,746	754	0.077	426.66	32.82	1.018	0.99926
3231	1	0.50	401	12,030	404	0.993	30.00	29.78	1.000	0.99933
3232	1	1.67	1	100	414	0.002	100.00	0.24	1.000	0.99999
3302	1	1.18	20	1,420	800	0.025	71.00	1.78	1.000	0.99996
3304	1	2.17	56	7,280	962	0.058	130.00	7.57	1.000	0.99983
3313	2	3.35	95	4,014	922	0.103	42.25	4.35	1.011	0.99990
3421	2	2.37	19	1,375	670	0.028	72.37	2.05	1.000	0.99995
3471	4	60.50	281	285,316	159	1.767	1015.36	1794.44	1.767	0.95980
3472	5	45.11	966	2,085,477	1,528	0.632	2158.88	1364.84	1.140	0.96943
3551	2	2.45	30	2,611	1,002	0.030	87.03	2.61	1.000	0.99994
3552	8	18.21	116	11,354	570	0.204	97.88	19.92	1.221	0.99955
3553	1	1.32	64	5,056	1,013	0.063	79.00	4.99	1.000	0.99989
3592	2	3.94	60	3,252	1,678	0.036	54.20	1.94	1.017	0.99996
3593	1	3.08	39	7,215	928	0.042	185.00	7.77	1.000	0.99983
3594	2	4.55	18	2,457	615	0.029	136.50	4.00	1.000	0.99991
3621	12	137.72	964	1,216,028	1,549	0.622	1261.44	785.04	1.932	0.98241
3661	13	24.31	521	40,081	1,086	0.480	76.93	36.91	1.014	0.99917
3662	6	8.82	151	8,941	1,111	0.136	59.21	8.05	1.049	0.99982
3671	1	1.12	52	3,484	1,096	0.047	67.00	3.18	1.000	0.99993
3675	3	2.90	127	7,242	415	0.306	57.02	17.45	1.000	0.99961
3691	4	3.52	34	2,491	1,120	0.030	73.26	2.22	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
3692	1	0.95	7	399	402	0.017	57.00	0.99	1.000	0.99998
3694	1	3.78	32	7,264	1,231	0.026	227.00	5.90	1.000	0.99987
3751	5	12.00	801	96,633	1,149	0.697	120.64	84.10	1.048	0.99812
3871	3	2.05	165	7,062	1,361	0.121	42.80	5.19	1.000	0.99988
3872	7	9.05	102	6,628	1,145	0.089	64.98	5.79	1.000	0.99987
3873	1	0.62	58	2,146	783	0.074	37.00	2.74	1.000	0.99994
3878	4	11.36	349	23,107	1,123	0.311	66.21	20.58	1.009	0.99954
3891	6	13.25	8	899	409	0.020	112.38	2.20	1.000	0.99995
3893	17	112.34	40	8,736	772	0.052	218.40	11.32	1.026	0.99975
3901	2	25.88	19	3,678	854	0.022	193.58	4.31	1.000	0.99990
3902	1	1.10	1	66	97	0.010	66.00	0.68	1.000	0.99998
3903	1	1.35	1	81	286	0.003	81.00	0.28	1.000	0.99999
3912	8	44.64	1,151	1,841,927	1,114	1.033	1600.28	1653.44	1.088	0.96296
3913	4	206.67	153	17,764	943	0.162	116.10	18.84	1.020	0.99958
3914	17	839.49	1,126	5,330,766	680	1.656	4734.25	7839.36	2.469	0.82439
3951	2	2.26	94	7,148	1,067	0.088	76.04	6.70	1.000	0.99985
3971	2	12.43	4	1,952	647	0.006	488.00	3.02	1.333	0.99993
3981	8	76.96	668	61,209	1,371	0.487	91.63	44.65	1.049	0.99900
3982	8	21.07	609	85,160	1,976	0.308	139.84	43.10	1.020	0.99903
3991	6	14.93	18	2,120	704	0.026	117.78	3.01	1.000	0.99993
402	1	5.75	1	345	107	0.009	345.00	3.22	1.000	0.99993
403	3	28.07	3	1,684	259	0.012	561.33	6.50	3.000	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
4031	8	26.75	503	47,512	686	0.733	94.46	69.26	1.334	0.99845
404	2	13.17	2	790	167	0.012	395.00	4.73	1.000	0.99989
4091	5	7.74	21	1,728	1,132	0.019	82.29	1.53	1.050	0.99997
4092	1	1.42	1	85	415	0.002	85.00	0.20	1.000	0.99999
4101	3	9.15	3	549	574	0.005	183.00	0.96	1.000	0.99998
4102	3	4.30	97	8,774	867	0.112	90.45	10.12	1.000	0.99977
4132	1	0.90	12	648	564	0.021	54.00	1.15	1.000	0.99997
4138	7	12.93	43	3,886	706	0.061	90.37	5.50	1.000	0.99988
4141	1	21.42	1	1,285	80	0.013	1285.00	16.06	1.000	0.99964
4142	3	18.49	11	5,193	577	0.019	472.09	9.00	1.833	0.99980
4153	1	0.85	13	663	1,261	0.010	51.00	0.53	1.000	0.99999
4155	1	1.32	18	1,422	2,023	0.009	79.00	0.70	1.000	0.99998
4171	8	16.26	331	32,177	1,124	0.294	97.21	28.63	1.000	0.99936
4172	34	273.85	600	98,371	1,641	0.366	163.95	59.95	1.019	0.99866
4173	2	13.21	605	79,051	605	1.000	130.66	130.66	1.005	0.99707
4181	1	1.07	40	2,560	468	0.085	64.00	5.47	1.000	0.99988
4182	1	1.55	5	465	987	0.005	93.00	0.47	1.000	0.99999
4211	1	8.27	11	5,456	1,279	0.009	496.00	4.27	1.000	0.99990
4212	3	7.20	45	4,584	792	0.057	101.87	5.79	1.023	0.99987
4221	3	13.87	87	55,595	476	0.183	639.02	116.80	1.036	0.99738
4222	15	142.75	1,754	1,833,280	1,600	1.096	1045.20	1145.80	1.917	0.97433
4223	17	474.00	662	1,103,718	1,006	0.658	1667.25	1097.14	1.998	0.97542

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4224	4	74.22	10	9,653	679	0.015	965.30	14.22	2.500	0.99968
4301	2	2.53	9	866	598	0.015	96.22	1.45	1.125	0.99997
4302	5	111.89	1,279	1,425,929	641	1.995	1114.88	2224.54	2.011	0.95017
4303	5	143.36	1,106	4,179,824	844	1.310	3779.23	4952.40	1.487	0.88906
4311	1	1.23	11	814	900	0.012	74.00	0.90	1.000	0.99998
4313	1	1.05	4	252	530	0.008	63.00	0.48	1.000	0.99999
4324	1	1.48	5	445	1,061	0.005	89.00	0.42	1.000	0.99999
4331	1	1.12	1	67	296	0.003	67.00	0.23	1.000	0.99999
4333	3	9.50	5	989	535	0.009	197.80	1.85	1.250	0.99996
4341	1	0.70	63	2,646	1,707	0.037	42.00	1.55	1.000	0.99997
4342	6	7.19	99	4,442	1,695	0.058	44.87	2.62	1.031	0.99994
4343	2	2.93	2	176	1,010	0.002	88.00	0.17	1.000	0.99999
4361	3	13.49	3	810	1,909	0.002	270.00	0.42	1.000	0.99999
4362	3	22.37	43	4,217	809	0.053	98.07	5.21	1.000	0.99988
4363	2	2.85	25	2,185	654	0.038	87.40	3.34	1.042	0.99993
4371	6	22.92	43	5,791	1,503	0.029	134.67	3.85	1.000	0.99991
4372	1	3.48	1	209	417	0.002	209.00	0.50	1.000	0.99999
4381	1	4.87	1	292	280	0.004	292.00	1.04	1.000	0.99998
4385	4	8.45	4	507	1,102	0.004	126.75	0.46	1.000	0.99999
4431	10	38.78	38	5,263	1,327	0.029	138.50	3.97	1.000	0.99991
4432	14	31.08	105	9,542	433	0.242	90.88	22.04	1.117	0.99951
4475	1	153.93	14	129,304	12	1.167	9236.00	10775.3	1.000	0.75862

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4476	1	153.93	26	240,136	25	1.040	9236.00	9605.44	1.000	0.78482
4511	3	7.00	84	14,958	1,114	0.075	178.07	13.43	1.000	0.99970
453	1	1.08	1	65	129	0.008	65.00	0.50	1.000	0.99999
454	1	88.22	1	5,293	105	0.010	5293.00	50.41	1.000	0.99887
4601	4	17.11	61	11,970	57	1.070	196.23	210.00	1.070	0.99530
4602	7	22.98	991	202,658	938	1.057	204.50	216.05	1.082	0.99516
5601	2	14.36	2	862	85	0.024	431.00	10.14	1.000	0.99977
5602	2	3.72	2	223	669	0.003	111.50	0.33	1.000	0.99999
5603	13	83.04	304	219,011	1,233	0.247	720.43	177.62	1.067	0.99602
6021	1	1.48	1	89	667	0.001	89.00	0.13	1.000	0.99999
6142	2	4.02	14	1,369	296	0.047	97.79	4.63	1.000	0.99990
6143	1	0.98	1	59	370	0.003	59.00	0.16	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	786	8,629.98	43,170	71,506,012	159,690	0.270	1656.38	447.78	1.372	0.98997

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2011 to 6/30/2011
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	5.66	205	15,382	1,352	0.152	75.03	11.38	1.005	0.99974
1051	2	2.44	162	9,426	1,051	0.154	58.19	8.97	1.000	0.99979
1082	8	127.65	83	16,094	1,271	0.065	193.90	12.66	1.051	0.99971
1091	8	51.76	317	104,823	1,608	0.197	330.67	65.19	1.064	0.99849
1092	6	4.13	57	1,997	1,166	0.049	35.04	1.71	1.018	0.99996
1094	8	19.92	128	13,458	1,112	0.115	105.14	12.10	1.032	0.99972
1101	3	3.86	191	15,930	868	0.220	83.40	18.35	1.000	0.99958
1102	1	0.58	25	875	636	0.039	35.00	1.38	1.000	0.99997
1141	4	4.43	94	6,314	896	0.105	67.17	7.05	1.288	0.99984
1142	1	1.67	1	100	213	0.005	100.00	0.47	1.000	0.99999
1211	5	11.62	560	71,522	1,459	0.384	127.72	49.02	1.029	0.99887
1212	2	2.09	2	125	318	0.006	62.50	0.39	1.000	0.99999
1213	3	11.45	5	1,431	539	0.009	286.20	2.65	1.000	0.99994
1225	12	286.79	12	17,208	933	0.013	1434.00	18.44	1.200	0.99957
1227	7	9.81	25	2,571	1,170	0.021	102.84	2.20	1.923	0.99995
1228	4	60.02	58	55,387	577	0.101	954.95	95.99	1.000	0.99778
1229	12	94.49	25	8,907	1,996	0.013	356.28	4.46	1.087	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
1230	9	81.42	2,210	145,451	1,068	2.069	65.81	136.19	1.102	0.99685
1232	3	10.86	1,196	41,270	1,173	1.020	34.51	35.18	1.011	0.99919
1233	4	4.30	642	21,316	638	1.006	33.20	33.41	1.014	0.99923
1241	1	2.82	1	169	828	0.001	169.00	0.20	1.000	0.99999
1242	5	4.65	40	1,984	670	0.060	49.60	2.96	1.000	0.99993
1243	1	1.55	78	7,254	1,175	0.066	93.00	6.17	1.000	0.99986
1261	1	2.25	1	135	382	0.003	135.00	0.35	1.000	0.99999
1262	1	0.88	1	53	208	0.005	53.00	0.25	1.000	0.99999
1263	15	215.71	502	139,616	1,309	0.383	278.12	106.66	1.039	0.99753
1265	12	76.86	292	19,855	1,880	0.155	68.00	10.56	1.010	0.99976
1267	1	16.52	1	991	68	0.015	991.00	14.57	1.000	0.99966
1271	2	3.42	68	7,578	909	0.075	111.44	8.34	1.030	0.99981
1273	8	17.54	46	4,065	863	0.053	88.37	4.71	1.000	0.99989
1282	3	25.04	51	5,775	911	0.056	113.24	6.34	1.041	0.99985
1284	1	25.08	1	1,505	853	0.001	1505.00	1.76	1.000	0.99996
1285	4	4.87	245	16,381	1,060	0.231	66.86	15.45	1.056	0.99964
1311	1	1.52	1	91	263	0.004	91.00	0.35	1.000	0.99999
1312	5	6.70	97	7,771	907	0.107	80.11	8.57	1.043	0.99980
1451	14	71.36	270	52,354	513	0.526	193.90	102.05	1.015	0.99764
1452	2	2.71	2	163	444	0.005	81.50	0.37	1.000	0.99999
1453	7	21.26	504	44,170	1,768	0.285	87.64	24.98	1.002	0.99942
1454	1	2.18	63	8,253	904	0.070	131.00	9.13	1.000	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
1455	15	200.61	200	34,887	527	0.380	174.44	66.20	1.000	0.99847
1521	7	12.41	720	116,766	688	1.047	162.18	169.72	1.093	0.99607
1522	1	4.58	1	275	96	0.010	275.00	2.86	1.000	0.99993
1523	3	4.48	25	2,568	698	0.036	102.72	3.68	1.087	0.99991
1841	1	1.63	278	27,244	1,319	0.211	98.00	20.66	1.000	0.99952
1842	1	3.40	1	204	263	0.004	204.00	0.78	1.000	0.99998
1843	2	2.97	66	5,762	1,059	0.062	87.30	5.44	1.000	0.99987
2052	2	4.99	5	851	85	0.059	170.20	10.01	1.000	0.99977
2091	2	1.67	2	100	863	0.002	50.00	0.12	1.000	0.99999
2092	1	1.95	1	117	896	0.001	117.00	0.13	1.000	0.99999
2171	1	0.83	548	27,400	547	1.002	50.00	50.09	1.000	0.99884
2172	1	0.53	1	32	216	0.005	32.00	0.15	1.000	0.99999
2211	6	11.04	135	15,501	718	0.188	114.82	21.59	1.015	0.99950
2212	9	12.59	104	11,376	1,251	0.083	109.38	9.09	1.040	0.99979
2511	3	6.77	32	7,270	607	0.053	227.19	11.98	1.032	0.99972
2621	9	21.45	1,568	225,310	1,116	1.405	143.69	201.89	1.410	0.99533
2622	1	1.20	1	72	112	0.009	72.00	0.64	1.000	0.99999
2921	6	13.05	29	8,996	398	0.073	310.21	22.60	1.160	0.99948
2951	1	0.52	26	806	1,344	0.019	31.00	0.60	1.000	0.99999
2961	3	8.66	26	8,777	964	0.027	337.58	9.10	1.000	0.99979
3082	2	3.32	32	2,313	321	0.100	72.28	7.21	1.032	0.99983
3121	1	4.03	5	1,210	1,068	0.005	242.00	1.13	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3122	2	2.57	27	2,499	837	0.032	92.56	2.99	1.000	0.99993
3181	2	5.15	2	309	702	0.003	154.50	0.44	1.000	0.99999
3221	4	6.08	85	9,032	1,217	0.070	106.26	7.42	1.037	0.99983
3222	4	9.22	4	553	754	0.005	138.25	0.73	1.000	0.99998
3231	3	7.83	403	74,470	404	0.998	184.79	184.33	1.005	0.99573
3232	1	1.57	1	94	414	0.002	94.00	0.23	1.000	0.99999
3302	2	2.39	15	1,287	800	0.019	85.80	1.61	1.071	0.99996
3304	5	4.78	187	7,717	962	0.194	41.27	8.02	1.005	0.99981
3311	1	0.58	42	1,470	471	0.089	35.00	3.12	1.000	0.99993
3421	2	4.77	22	4,446	670	0.033	202.09	6.64	1.000	0.99985
3422	3	5.32	3	319	956	0.003	106.33	0.33	1.000	0.99999
3472	5	12.69	231	20,541	1,528	0.151	88.92	13.44	1.004	0.99969
3551	2	2.84	1,026	84,138	1,002	1.024	82.01	83.97	1.001	0.99806
3552	1	1.37	563	46,166	570	0.988	82.00	80.99	1.000	0.99813
3553	3	4.85	1,082	89,530	1,013	1.068	82.74	88.38	1.070	0.99795
3591	3	2.98	58	2,384	1,098	0.053	41.10	2.17	1.000	0.99995
3592	7	9.68	83	6,160	1,678	0.049	74.22	3.67	1.000	0.99992
3593	2	2.46	67	4,373	928	0.072	65.27	4.71	1.015	0.99989
3621	4	6.06	14	1,633	1,549	0.009	116.64	1.05	1.000	0.99998
3661	6	9.99	1,247	84,129	1,086	1.148	67.47	77.47	1.143	0.99821
3662	8	17.60	206	26,050	1,111	0.185	126.46	23.45	1.040	0.99946
3663	3	8.11	54	19,509	287	0.188	361.28	67.98	1.038	0.99843

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3671	4	6.21	17	711	1,096	0.016	41.82	0.65	1.000	0.99998
3675	1	2.23	1	134	415	0.002	134.00	0.32	1.000	0.99999
3691	3	3.22	23	1,413	1,120	0.021	61.43	1.26	1.000	0.99997
3692	4	18.18	81	35,947	402	0.201	443.79	89.42	1.000	0.99793
3693	2	2.17	2	130	186	0.011	65.00	0.70	1.000	0.99998
3694	1	1.03	1	62	1,231	0.001	62.00	0.05	1.000	0.99999
3701	2	10.25	11	1,524	468	0.024	138.55	3.26	1.000	0.99992
3702	1	1.37	22	1,804	592	0.037	82.00	3.05	1.000	0.99993
3751	10	11.02	92	5,594	1,149	0.080	60.80	4.87	1.045	0.99989
3872	2	3.16	86	13,450	1,145	0.075	156.40	11.75	1.000	0.99973
3878	1	0.85	41	2,091	1,123	0.037	51.00	1.86	1.000	0.99996
3891	5	22.07	420	308,896	409	1.027	735.47	755.25	1.040	0.98252
3892	3	6.45	16	2,012	457	0.035	125.75	4.40	1.000	0.99990
3893	7	12.66	312	21,828	772	0.404	69.96	28.27	1.043	0.99935
3901	4	9.84	127	19,588	854	0.149	154.24	22.94	1.008	0.99947
3902	1	1.30	7	546	97	0.072	78.00	5.63	1.000	0.99987
3903	4	7.37	43	5,227	286	0.150	121.56	18.28	1.049	0.99958
3912	10	11.55	154	10,758	1,114	0.138	69.86	9.66	1.077	0.99978
3913	3	8.88	50	1,332	943	0.053	26.64	1.41	1.000	0.99997
3914	5	4.13	507	33,444	680	0.746	65.96	49.18	1.112	0.99886
3951	11	21.94	159	7,643	1,067	0.149	48.07	7.16	1.032	0.99983
3971	3	10.90	13	3,694	647	0.020	284.15	5.71	1.083	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
3981	3	10.15	118	34,419	1,371	0.086	291.69	25.11	1.017	0.99942
3982	2	1.35	39	1,672	1,976	0.020	42.87	0.85	1.026	0.99998
3991	8	13.94	44	3,609	704	0.063	82.02	5.13	1.000	0.99988
3992	1	9.40	6	3,384	161	0.037	564.00	21.02	1.000	0.99951
4031	8	13.81	279	23,718	686	0.407	85.01	34.57	1.098	0.99920
407	2	4.25	2	255	98	0.020	127.50	2.60	2.000	0.99994
4091	4	2.80	82	3,462	1,132	0.072	42.22	3.06	1.012	0.99993
4092	2	2.81	2	169	415	0.005	84.50	0.41	1.000	0.99999
4101	1	1.58	566	53,770	574	0.986	95.00	93.68	1.000	0.99783
4102	3	1.59	43	575	867	0.050	13.37	0.66	1.000	0.99998
4132	1	0.53	1	32	564	0.002	32.00	0.06	1.000	0.99999
4133	1	1.08	3	195	315	0.010	65.00	0.62	1.000	0.99999
4134	1	2.87	15	2,580	827	0.018	172.00	3.12	1.000	0.99993
4137	1	0.55	12	396	808	0.015	33.00	0.49	1.000	0.99999
4138	9	15.20	109	14,108	706	0.154	129.43	19.98	1.135	0.99954
4141	2	4.15	2	249	80	0.025	124.50	3.11	1.000	0.99993
4142	7	28.78	65	15,956	577	0.113	245.48	27.65	1.121	0.99936
4151	3	2.50	3	150	1,233	0.002	50.00	0.12	1.000	0.99999
4155	2	5.38	2	323	2,023	0.001	161.50	0.16	1.000	0.99999
4171	6	12.73	1,252	83,057	1,124	1.114	66.34	73.89	1.126	0.99829
4172	8	6.98	1,737	102,989	1,641	1.059	59.29	62.76	1.062	0.99855
4173	1	0.80	1	48	605	0.002	48.00	0.08	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4181	3	6.50	5	566	468	0.011	113.20	1.21	1.000	0.99997
4182	1	0.98	5	295	987	0.005	59.00	0.30	1.000	0.99999
4211	4	6.88	104	5,213	1,279	0.081	50.13	4.08	1.030	0.99991
4212	7	10.38	896	131,813	792	1.131	147.11	166.43	1.141	0.99615
4222	6	25.84	81	78,350	1,600	0.051	967.28	48.97	1.025	0.99887
4223	6	105.78	20	16,469	1,006	0.020	823.45	16.37	1.053	0.99962
4301	18	65.43	48	8,291	598	0.080	172.73	13.86	2.000	0.99968
4303	8	117.73	26	26,172	844	0.031	1006.62	31.01	1.083	0.99928
4312	1	0.97	1	58	973	0.001	58.00	0.06	1.000	0.99999
4313	1	1.92	4	460	530	0.008	115.00	0.87	1.000	0.99998
4324	9	7.94	133	5,809	1,061	0.125	43.68	5.48	1.023	0.99987
4341	6	5.30	20	953	1,707	0.012	47.65	0.56	1.111	0.99999
4342	1	0.90	29	1,566	1,695	0.017	54.00	0.92	1.000	0.99998
4361	2	1.65	18	1,123	1,909	0.009	62.39	0.59	1.000	0.99999
4362	5	4.35	89	2,921	809	0.110	32.82	3.61	1.023	0.99992
4363	6	6.55	398	18,929	654	0.609	47.56	28.94	1.013	0.99933
4371	7	10.26	94	8,442	1,503	0.063	89.81	5.62	1.022	0.99987
4372	9	13.76	139	15,393	417	0.333	110.74	36.91	1.094	0.99915
4381	1	2.48	1	149	280	0.004	149.00	0.53	1.000	0.99999
4385	2	3.28	2	197	1,102	0.002	98.50	0.18	2.000	0.99999
4386	2	2.38	13	858	1,646	0.008	66.00	0.52	1.083	0.99999
4431	31	177.32	401	166,161	1,327	0.302	414.37	125.22	1.026	0.99710

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4432	1	7.02	427	179,767	433	0.986	421.00	415.17	1.000	0.99039
4511	3	3.61	100	6,880	1,114	0.090	68.80	6.18	1.000	0.99986
4513	1	4.03	6	1,452	590	0.010	242.00	2.46	1.000	0.99994
4601	1	1.47	1	88	57	0.018	88.00	1.54	1.000	0.99996
4602	3	6.54	72	4,601	938	0.077	63.90	4.91	1.000	0.99989
5601	2	2.29	1,241	101,546	648	1.915	81.83	156.71	1.006	0.99637
5603	5	11.40	26	2,698	1,233	0.021	103.77	2.19	1.000	0.99995
6021	1	1.20	1	72	667	0.001	72.00	0.11	1.000	0.99999
6022	1	0.92	1	55	374	0.003	55.00	0.15	1.000	0.99999
6141	4	12.23	447	105,656	623	0.717	236.37	169.59	1.009	0.99607
6142	1	1.10	1	66	296	0.003	66.00	0.22	1.000	0.99999
6143	1	3.37	39	7,878	370	0.105	202.00	21.29	1.000	0.99951
6144	2	4.70	2	282	313	0.006	141.00	0.90	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	667	2,707.91	28,949	3,576,569	160,825	0.180	123.55	22.24	1.005	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2011 to 7/31/2011
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	2.97	187	7,556	1,352	0.138	40.41	5.59	1.075	0.99987
1082	9	24.55	84	17,405	1,271	0.066	207.20	13.69	1.050	0.99969
1091	10	18.59	1,943	343,182	1,608	1.208	176.62	213.42	1.115	0.99522
1092	8	12.41	1,215	113,221	1,166	1.042	93.19	97.10	1.051	0.99782
1093	1	1.15	213	14,697	217	0.982	69.00	67.73	1.000	0.99848
1094	9	15.16	18	1,216	1,112	0.016	67.56	1.09	1.000	0.99998
1101	2	6.60	5	999	868	0.006	199.80	1.15	1.000	0.99997
1102	3	2.42	46	2,148	636	0.072	46.70	3.38	1.000	0.99992
1141	5	7.04	907	95,981	896	1.012	105.82	107.12	1.027	0.99760
1142	2	4.73	207	21,604	213	0.972	104.37	101.43	1.005	0.99773
1211	3	3.05	14	513	1,459	0.010	36.64	0.35	1.000	0.99999
1213	3	5.85	167	17,079	539	0.310	102.27	31.69	1.012	0.99929
1225	6	3.96	13	349	933	0.014	26.85	0.37	1.083	0.99999
1228	1	0.47	1	28	577	0.002	28.00	0.05	1.000	0.99999
1230	9	10.83	98	6,223	1,068	0.092	63.50	5.83	1.000	0.99987
1232	7	6.64	723	53,791	1,173	0.616	74.40	45.86	1.033	0.99897
1233	4	4.73	146	7,110	638	0.229	48.70	11.14	1.043	0.99975

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1242	1	0.40	671	16,104	670	1.001	24.00	24.04	1.000	0.99946
1243	10	27.88	221	35,099	1,175	0.188	158.82	29.87	1.249	0.99933
1261	2	2.27	2	136	382	0.005	68.00	0.36	2.000	0.99999
1262	2	1.61	2	97	208	0.010	48.50	0.47	1.000	0.99999
1263	4	5.25	47	1,562	1,309	0.036	33.23	1.19	1.068	0.99997
1265	3	5.65	4,958	752,334	2,453	2.021	151.74	306.70	2.021	0.99313
1271	2	3.50	2	210	909	0.002	105.00	0.23	1.000	0.99999
1273	1	2.52	8	1,208	863	0.009	151.00	1.40	1.000	0.99997
1282	8	17.62	1,036	138,244	911	1.137	133.44	151.75	1.135	0.99660
1285	1	1.77	23	2,438	1,060	0.022	106.00	2.30	1.000	0.99995
1312	1	1.15	1	69	907	0.001	69.00	0.08	1.000	0.99999
1451	4	6.22	4	373	513	0.008	93.25	0.73	1.000	0.99998
1452	3	3.30	3	198	444	0.007	66.00	0.45	1.000	0.99999
1453	3	3.01	44	2,354	1,768	0.025	53.50	1.33	1.000	0.99997
1454	4	6.00	371	48,021	904	0.410	129.44	53.12	1.000	0.99881
1455	10	15.83	368	26,916	527	0.698	73.14	51.07	1.008	0.99886
1521	2	3.10	37	2,856	688	0.054	77.19	4.15	1.000	0.99991
1522	2	13.23	2	794	96	0.021	397.00	8.27	1.000	0.99981
1523	5	18.67	42	9,471	698	0.060	225.50	13.57	1.050	0.99970
1841	1	0.97	1	58	1,319	0.001	58.00	0.04	1.000	0.99999
1842	1	1.73	1	104	263	0.004	104.00	0.40	1.000	0.99999
1843	1	1.23	36	2,664	1,059	0.034	74.00	2.52	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
2051	6	9.55	13	1,224	158	0.082	94.15	7.75	1.300	0.99983
2091	4	8.49	180	20,537	863	0.209	114.09	23.80	1.034	0.99947
2092	1	0.73	27	1,188	896	0.030	44.00	1.33	1.000	0.99997
2171	2	2.55	22	1,253	547	0.040	56.95	2.29	1.000	0.99995
2211	3	3.47	12	748	718	0.017	62.33	1.04	1.000	0.99998
2212	5	6.69	88	6,262	1,251	0.070	71.16	5.01	1.073	0.99989
2511	4	8.36	11	2,133	607	0.018	193.91	3.51	1.100	0.99992
2621	2	2.07	28	1,616	1,116	0.025	57.71	1.45	1.000	0.99997
2921	2	6.20	2	372	398	0.005	186.00	0.93	1.000	0.99998
2951	5	6.10	11	672	1,344	0.008	61.09	0.50	1.222	0.99999
2961	7	22.87	324	64,442	964	0.336	198.90	66.85	1.045	0.99850
3121	2	4.83	6	1,150	1,068	0.006	191.67	1.08	1.000	0.99998
3122	8	26.59	910	285,222	837	1.087	313.43	340.77	1.092	0.99237
3221	3	8.33	5	714	1,217	0.004	142.80	0.59	1.000	0.99999
3222	4	7.16	25	2,803	754	0.033	112.12	3.72	1.000	0.99992
3231	1	1.67	1	100	404	0.002	100.00	0.25	1.000	0.99999
3232	1	1.25	1	75	414	0.002	75.00	0.18	1.000	0.99999
3304	5	7.96	122	9,016	962	0.127	73.90	9.37	1.070	0.99979
3313	4	5.52	190	13,537	922	0.206	71.25	14.68	2.021	0.99967
3314	1	2.22	1	133	222	0.005	133.00	0.60	1.000	0.99999
3421	1	0.60	27	972	670	0.040	36.00	1.45	1.000	0.99997
3422	1	0.83	1	50	956	0.001	50.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3471	3	4.87	22	2,303	159	0.138	104.68	14.48	1.000	0.99968
3472	4	10.97	222	38,730	1,528	0.145	174.46	25.35	1.042	0.99943
3552	2	4.35	12	1,901	570	0.021	158.42	3.34	1.000	0.99993
3591	5	6.52	25	1,802	1,098	0.023	72.08	1.64	1.042	0.99996
3592	4	9.81	11	3,032	1,678	0.007	275.64	1.81	1.375	0.99996
3593	2	8.21	48	11,832	928	0.052	246.50	12.75	1.000	0.99971
3621	4	6.53	1,599	159,961	1,549	1.032	100.04	103.27	1.042	0.99769
3661	3	7.17	120	17,517	1,086	0.110	145.98	16.13	1.008	0.99964
3662	4	11.94	17	1,483	1,111	0.015	87.24	1.33	1.000	0.99997
3663	1	3.98	1	239	287	0.003	239.00	0.83	1.000	0.99998
3671	1	0.52	14	434	1,096	0.013	31.00	0.40	1.000	0.99999
3692	3	7.83	433	83,244	402	1.077	192.25	207.07	1.085	0.99536
3701	3	7.42	519	37,285	468	1.109	71.84	79.67	1.059	0.99822
3702	9	26.91	772	50,818	592	1.304	65.83	85.84	1.223	0.99808
3751	5	4.69	102	6,012	1,149	0.089	58.94	5.23	1.030	0.99988
3871	1	3.30	8	1,584	1,361	0.006	198.00	1.16	1.000	0.99997
3872	3	1.58	60	2,147	1,145	0.052	35.78	1.88	1.000	0.99996
3873	1	1.12	12	804	783	0.015	67.00	1.03	1.000	0.99998
3878	3	5.88	77	4,857	1,123	0.069	63.08	4.33	1.000	0.99990
3891	1	1.68	1	101	409	0.002	101.00	0.25	1.000	0.99999
3892	1	2.23	1	134	457	0.002	134.00	0.29	1.000	0.99999
3901	4	16.93	49	12,287	854	0.057	250.76	14.39	1.000	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3902	2	5.24	2	314	97	0.021	157.00	3.24	1.000	0.99993
3912	1	0.93	2	112	1,114	0.002	56.00	0.10	1.000	0.99999
3913	5	12.76	241	20,718	943	0.256	85.97	21.97	1.017	0.99951
3914	1	2.85	57	9,747	680	0.084	171.00	14.33	1.000	0.99968
3951	3	16.05	67	13,535	1,067	0.063	202.01	12.69	1.015	0.99972
3971	4	4.83	658	39,940	647	1.017	60.70	61.73	1.020	0.99862
3982	1	1.87	2	224	1,976	0.001	112.00	0.11	1.000	0.99999
3991	8	10.82	710	64,467	704	1.009	90.80	91.57	1.029	0.99795
3992	3	6.15	25	4,122	161	0.155	164.88	25.60	1.136	0.99943
4091	2	1.25	45	1,236	1,132	0.040	27.47	1.09	1.000	0.99998
4092	3	4.57	23	2,374	415	0.055	103.22	5.72	1.095	0.99987
4101	2	6.05	645	174,290	574	1.124	270.22	303.64	1.140	0.99320
4102	10	12.30	1,054	75,964	867	1.216	72.07	87.62	1.398	0.99804
4131	1	2.02	1	121	195	0.005	121.00	0.62	1.000	0.99999
4133	1	1.57	1	94	315	0.003	94.00	0.30	1.000	0.99999
4134	4	8.68	78	10,621	827	0.094	136.17	12.84	1.013	0.99971
4138	1	2.55	713	109,089	706	1.010	153.00	154.52	1.000	0.99654
4141	1	1.38	1	83	80	0.013	83.00	1.04	1.000	0.99998
4142	3	4.35	91	6,768	577	0.158	74.37	11.73	1.046	0.99974
4151	1	2.75	5	825	1,233	0.004	165.00	0.67	1.000	0.99999
4155	3	8.24	11	1,846	2,023	0.005	167.82	0.91	1.000	0.99998
4171	5	12.08	1,250	326,348	1,124	1.112	261.08	290.35	1.124	0.99350

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	6	15.63	1,708	460,136	1,641	1.041	269.40	280.40	1.044	0.99372
4173	2	5.25	603	168,595	605	0.997	279.59	278.67	1.002	0.99376
4182	1	1.68	9	909	987	0.009	101.00	0.92	1.000	0.99998
4211	4	4.56	1,359	84,220	1,279	1.063	61.97	65.85	1.079	0.99852
4212	2	4.28	19	2,654	792	0.024	139.68	3.35	1.056	0.99992
4221	2	4.18	474	100,787	476	0.996	212.63	211.74	1.002	0.99526
4223	11	9.31	78	2,932	1,006	0.078	37.59	2.91	1.418	0.99993
4224	1	1.90	1	114	679	0.001	114.00	0.17	1.000	0.99999
4301	5	7.59	10	935	598	0.017	93.50	1.56	1.000	0.99996
4302	2	2.45	2	147	641	0.003	73.50	0.23	1.000	0.99999
4303	4	15.95	9	2,792	844	0.011	310.22	3.31	1.000	0.99993
4324	3	3.96	65	5,260	1,061	0.061	80.92	4.96	1.016	0.99989
4334	1	3.70	1	222	449	0.002	222.00	0.49	1.000	0.99999
4341	9	11.67	1,431	44,918	1,707	0.838	31.39	26.31	1.066	0.99941
4342	4	6.87	137	15,351	1,695	0.081	112.05	9.06	1.442	0.99980
4343	2	2.57	2	154	1,010	0.002	77.00	0.15	2.000	0.99999
4361	6	6.37	394	19,195	1,909	0.206	48.72	10.06	1.003	0.99977
4362	3	3.44	853	53,567	809	1.054	62.80	66.21	1.085	0.99852
4363	1	1.03	661	40,982	654	1.011	62.00	62.66	1.000	0.99860
4371	8	13.41	62	4,462	1,503	0.041	71.97	2.97	1.000	0.99993
4372	1	0.65	1	39	417	0.002	39.00	0.09	1.000	0.99999
4431	9	17.13	43	5,957	1,327	0.032	138.53	4.49	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
4432	1	2.42	427	61,915	433	0.986	145.00	142.99	1.000	0.99680
4511	3	4.85	65	3,677	1,114	0.058	56.57	3.30	1.083	0.99993
4601	3	5.08	66	5,142	57	1.158	77.91	90.21	1.158	0.99798
4602	1	2.03	54	6,588	938	0.058	122.00	7.02	1.000	0.99984
5601	6	10.35	850	73,407	1,210	0.702	86.36	60.67	1.771	0.99864
5602	1	1.23	1	74	669	0.001	74.00	0.11	1.000	0.99999
5603	8	14.52	627	65,198	1,233	0.509	103.98	52.88	1.797	0.99882
6021	1	1.13	1	68	667	0.001	68.00	0.10	1.000	0.99999
6142	3	5.03	51	3,086	296	0.172	60.51	10.43	1.000	0.99977
6144	1	2.82	14	2,366	313	0.045	169.00	7.56	1.000	0.99983
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	475	894.87	35,759	4,695,825	161,960	0.221	131.32	28.99	1.165	0.99935

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2011 to 8/31/2011
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	3.99	3	239	1,352	0.002	79.67	0.18	1.000	0.99999
1081	2	2.62	34	3,517	18	1.889	103.44	195.39	1.030	0.99562
1082	6	11.45	142	14,967	1,271	0.112	105.40	11.78	1.029	0.99974
1091	8	82.16	235	197,663	1,608	0.146	841.12	122.92	1.083	0.99725
1092	2	1.07	31	1,370	1,166	0.027	44.19	1.17	1.000	0.99997
1093	1	0.98	213	12,567	217	0.982	59.00	57.91	1.000	0.99870
1094	5	6.21	22	1,324	1,102	0.020	60.18	1.20	1.100	0.99997
1101	2	1.75	190	9,975	868	0.219	52.50	11.49	1.000	0.99974
1102	1	1.00	25	1,500	636	0.039	60.00	2.36	1.000	0.99995
1141	4	6.77	178	8,984	896	0.199	50.47	10.03	1.060	0.99978
1211	6	9.51	84	7,313	1,459	0.058	87.06	5.01	1.050	0.99989
1212	2	3.63	2	218	318	0.006	109.00	0.69	1.000	0.99998
1213	1	1.17	21	1,470	539	0.039	70.00	2.73	1.000	0.99994
1229	1	3.98	9	2,151	1,001	0.009	239.00	2.15	1.000	0.99995
1230	4	4.36	20	838	1,066	0.019	41.90	0.79	1.000	0.99998
1232	1	0.77	1	46	1,173	0.001	46.00	0.04	1.000	0.99999
1233	2	0.64	13	247	638	0.020	19.00	0.39	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	4	17.30	107	57,162	828	0.129	534.22	69.04	1.103	0.99845
1242	1	2.07	7	868	670	0.010	124.00	1.30	1.000	0.99997
1243	1	2.15	5	645	1,176	0.004	129.00	0.55	1.000	0.99999
1262	2	1.42	6	157	1,110	0.005	26.17	0.14	1.000	0.99999
1263	4	50.04	132	127,006	1,126	0.117	962.17	112.79	1.483	0.99747
1265	7	10.60	128	5,223	1,963	0.065	40.80	2.66	1.008	0.99994
1271	4	6.85	1,018	95,343	909	1.120	93.66	104.89	1.113	0.99765
1273	4	5.45	34	3,383	863	0.039	99.50	3.92	1.000	0.99991
1281	2	6.40	102	25,684	101	1.010	251.80	254.30	1.010	0.99430
1282	3	6.09	1,036	149,946	911	1.137	144.74	164.59	1.135	0.99631
1284	1	0.48	22	638	853	0.026	29.00	0.75	1.000	0.99998
1285	3	11.38	360	49,526	1,060	0.340	137.57	46.72	1.000	0.99895
1312	5	11.16	296	19,912	907	0.326	67.27	21.95	1.042	0.99951
1451	2	3.69	110	12,002	532	0.207	109.11	22.56	1.000	0.99949
1452	4	5.65	4	339	444	0.009	84.75	0.76	1.333	0.99998
1453	4	6.56	387	69,694	1,768	0.219	180.09	39.42	1.016	0.99912
1454	1	2.18	9	1,179	904	0.010	131.00	1.30	1.000	0.99997
1455	5	9.28	234	11,816	1,142	0.205	50.50	10.35	1.000	0.99977
1521	3	5.02	57	3,659	518	0.110	64.19	7.06	1.018	0.99984
1522	1	1.00	1	60	96	0.010	60.00	0.63	1.000	0.99999
1523	4	6.40	4	384	698	0.006	96.00	0.55	1.000	0.99999
1842	1	1.53	1	92	263	0.004	92.00	0.35	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
1843	1	0.38	1	23	1,059	0.001	23.00	0.02	1.000	0.99999
2052	2	4.91	5	526	85	0.059	105.20	6.19	1.000	0.99986
2091	6	8.66	170	5,744	863	0.197	33.79	6.66	1.069	0.99985
2092	6	20.72	426	316,491	896	0.475	742.94	353.23	1.042	0.99209
2171	1	0.82	1	49	547	0.002	49.00	0.09	1.000	0.99999
2172	1	0.52	2	62	216	0.009	31.00	0.29	1.000	0.99999
2211	5	11.47	45	3,893	718	0.063	86.51	5.42	1.023	0.99988
2212	3	5.03	15	1,202	1,251	0.012	80.13	0.96	1.000	0.99998
2491	2	3.52	30	3,165	60	0.500	105.50	52.75	1.000	0.99882
2621	6	9.51	61	5,405	1,116	0.055	88.61	4.84	1.000	0.99989
2622	2	7.65	18	4,968	112	0.161	276.00	44.36	1.000	0.99901
2921	4	5.45	13	1,170	398	0.033	90.00	2.94	1.182	0.99993
2951	4	6.25	4	375	1,344	0.003	93.75	0.28	2.000	0.99999
2961	7	13.83	985	16,213	964	1.022	16.46	16.82	1.037	0.99962
3082	4	2.57	27	1,115	320	0.084	41.30	3.48	1.500	0.99992
3121	8	11.92	990	87,797	1,068	0.927	88.68	82.21	2.286	0.99816
3122	3	4.39	924	37,430	837	1.104	40.51	44.72	1.109	0.99900
3123	10	27.56	886	103,728	866	1.023	117.07	119.78	1.494	0.99732
3181	1	2.38	57	8,151	702	0.081	143.00	11.61	1.000	0.99974
3221	6	13.47	1,249	267,191	1,217	1.026	213.92	219.55	1.057	0.99508
3222	2	3.25	2	195	754	0.003	97.50	0.26	1.000	0.99999
3232	3	3.47	6	382	414	0.014	63.67	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
3301	1	0.82	211	10,339	205	1.029	49.00	50.43	1.000	0.99887
3302	2	1.40	2	84	800	0.003	42.00	0.11	1.000	0.99999
3304	4	2.88	4	172	962	0.004	43.00	0.18	1.000	0.99999
3311	7	17.39	770	95,901	471	1.635	124.55	203.61	2.219	0.99544
3315	2	16.34	1,081	1,054,084	1,556	0.695	975.10	677.43	1.001	0.98482
3421	3	7.19	15	3,572	670	0.022	238.13	5.33	1.000	0.99988
3422	3	9.31	1,010	101,762	956	1.056	100.75	106.45	1.065	0.99762
3471	5	9.42	58	7,749	159	0.365	133.60	48.74	1.000	0.99891
3472	19	18.39	392	30,238	1,528	0.257	77.14	19.79	1.040	0.99956
3551	1	1.73	1	104	1,002	0.001	104.00	0.10	1.000	0.99999
3552	5	9.99	39	3,925	570	0.068	100.64	6.89	1.026	0.99985
3553	3	3.00	3	180	1,013	0.003	60.00	0.18	1.500	0.99999
3591	2	2.84	2	170	1,098	0.002	85.00	0.15	1.000	0.99999
3592	3	5.80	3	348	1,678	0.002	116.00	0.21	1.000	0.99999
3593	6	20.11	208	33,678	928	0.224	161.91	36.29	1.000	0.99919
3621	7	16.86	1,666	232,457	1,549	1.076	139.53	150.07	1.085	0.99664
3661	5	14.40	1,239	107,022	1,086	1.141	86.38	98.55	1.136	0.99779
3662	2	7.13	1,108	83,952	1,111	0.997	75.77	75.56	1.006	0.99831
3663	3	3.85	278	20,031	287	0.969	72.05	69.79	1.007	0.99844
3671	4	3.31	77	3,014	1,096	0.070	39.14	2.75	1.027	0.99994
3691	4	5.73	40	3,242	1,120	0.036	81.05	2.89	1.026	0.99994
3692	3	5.31	9	1,195	402	0.022	132.78	2.97	1.125	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
3694	1	5.03	2	604	1,231	0.002	302.00	0.49	1.000	0.99999
3701	1	2.35	1	141	468	0.002	141.00	0.30	1.000	0.99999
3702	2	6.05	632	150,933	592	1.068	238.82	254.95	1.002	0.99429
3751	6	16.15	517	111,917	1,001	0.516	216.47	111.81	1.024	0.99750
3871	1	1.90	1,241	141,474	1,361	0.912	114.00	103.95	1.000	0.99767
3872	4	7.63	22	980	1,145	0.019	44.55	0.86	1.000	0.99998
3873	2	4.50	70	6,534	783	0.089	93.34	8.34	1.000	0.99981
3878	7	15.03	774	142,596	958	0.808	184.23	148.85	1.076	0.99667
3891	3	4.47	13	828	409	0.032	63.69	2.02	1.000	0.99995
3892	2	10.82	22	9,709	457	0.048	441.32	21.25	1.000	0.99952
3893	15	31.47	604	69,761	919	0.657	115.50	75.91	1.056	0.99830
3894	1	2.00	1	120	112	0.009	120.00	1.07	1.000	0.99998
3902	1	2.68	27	4,347	97	0.278	161.00	44.81	1.000	0.99900
3903	6	9.54	23	2,315	286	0.080	100.65	8.09	1.000	0.99982
3912	1	0.60	1	36	769	0.001	36.00	0.05	1.000	0.99999
3914	1	18.73	406	456,344	656	0.619	1124.00	695.65	1.000	0.98442
3951	3	4.95	63	3,237	1,067	0.059	51.38	3.03	1.016	0.99993
3952	1	1.35	21	1,701	372	0.056	81.00	4.57	1.000	0.99990
3971	1	0.68	1	41	647	0.002	41.00	0.06	1.000	0.99999
3981	14	28.03	1,670	120,450	1,370	1.219	72.13	87.92	1.502	0.99803
3982	3	14.10	26	8,880	1,976	0.013	341.54	4.49	1.000	0.99990
3991	1	1.00	1	60	704	0.001	60.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
403	1	1.60	1	96	259	0.004	96.00	0.37	1.000	0.99999
4031	3	5.55	5	525	686	0.007	105.00	0.77	1.000	0.99998
405	1	1.15	1	69	43	0.023	69.00	1.60	1.000	0.99996
4091	3	6.60	16	1,542	1,132	0.014	96.38	1.36	1.000	0.99997
4092	1	4.18	400	100,400	414	0.966	251.00	242.51	1.000	0.99457
4101	7	9.23	88	6,560	574	0.153	74.55	11.43	1.000	0.99974
4102	7	15.19	73	11,857	867	0.084	162.42	13.68	1.014	0.99969
4132	1	1.48	462	41,118	564	0.819	89.00	72.90	1.000	0.99837
4134	1	3.90	3	702	827	0.004	234.00	0.85	1.000	0.99998
4135	2	6.02	7	771	62	0.113	110.14	12.44	1.000	0.99972
4137	2	2.43	2	146	808	0.002	73.00	0.18	1.000	0.99999
4151	1	4.52	1	271	1,232	0.001	271.00	0.22	1.000	0.99999
4152	2	1.52	44	889	779	0.056	20.20	1.14	1.023	0.99997
4154	2	6.39	1,086	355,935	1,082	1.004	327.75	328.96	1.001	0.99263
4155	1	1.30	18	1,404	2,023	0.009	78.00	0.69	1.000	0.99998
4171	2	2.45	1,120	82,872	1,124	0.996	73.99	73.73	1.007	0.99835
4172	5	5.20	1,647	121,873	1,641	1.004	74.00	74.27	1.007	0.99834
4173	2	8.37	629	53,229	605	1.040	84.62	87.98	1.045	0.99803
4211	3	3.63	81	6,037	970	0.084	74.53	6.22	1.038	0.99986
4212	1	1.13	1	68	792	0.001	68.00	0.09	1.000	0.99999
4221	2	8.92	65	8,862	476	0.137	136.34	18.62	1.016	0.99958
4224	6	17.78	100	14,340	679	0.147	143.40	21.12	1.000	0.99953

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4302	1	2.03	1	122	867	0.001	122.00	0.14	1.000	0.99999
4303	4	8.55	135	19,348	810	0.167	143.32	23.89	1.007	0.99946
4311	1	0.55	15	495	899	0.017	33.00	0.55	1.000	0.99999
4313	1	2.00	1	120	530	0.002	120.00	0.23	1.000	0.99999
4341	21	6.64	78	965	1,707	0.046	12.37	0.57	1.026	0.99999
4342	24	4.53	177	2,553	1,695	0.104	14.42	1.51	1.035	0.99997
4343	12	3.05	198	2,224	1,010	0.196	11.23	2.20	1.048	0.99995
4361	11	17.18	46	3,394	1,768	0.026	73.78	1.92	1.045	0.99996
4362	2	2.38	2	143	809	0.002	71.50	0.18	1.000	0.99999
4363	2	1.73	110	5,000	966	0.114	45.45	5.18	1.000	0.99988
4371	4	18.00	17	5,174	1,503	0.011	304.35	3.44	1.545	0.99992
4373	2	6.43	4	758	744	0.005	189.50	1.02	1.333	0.99998
4385	1	1.58	8	760	1,102	0.007	95.00	0.69	1.000	0.99998
4386	1	1.48	1	89	1,646	0.001	89.00	0.05	1.000	0.99999
4431	9	21.23	225	28,073	1,327	0.170	124.77	21.16	1.014	0.99953
4432	3	7.47	856	147,946	433	1.977	172.83	341.68	2.005	0.99235
4511	2	2.29	72	4,932	1,114	0.065	68.50	4.43	2.000	0.99990
4601	1	0.60	1	36	227	0.004	36.00	0.16	1.000	0.99999
4602	3	4.49	3	269	938	0.003	89.67	0.29	1.500	0.99999
5602	6	19.67	1,979	388,896	674	2.936	196.51	577.00	3.618	0.98707
5603	2	1.76	1,242	62,262	1,224	1.015	50.13	50.87	1.022	0.99886
6022	2	0.95	2	57	374	0.005	28.50	0.15	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	2	2.96	642	62,430	623	1.030	97.24	100.21	1.044	0.99776
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	548	1,110.84	37,219	6,336,221	157,441	0.236	170.24	40.25	1.150	0.99910

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
9/1/2011 to 9/30/2011
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	5.78	165	24,904	1,352	0.122	150.93	18.42	1.000	0.99957
1051	1	0.55	208	6,864	1,051	0.198	33.00	6.53	1.000	0.99985
1081	1	1.57	1	94	18	0.056	94.00	5.22	1.000	0.99988
1082	8	13.15	27	2,121	1,271	0.021	78.56	1.67	1.000	0.99996
1091	3	4.53	1,631	47,306	1,607	1.015	29.00	29.44	1.052	0.99932
1092	3	8.26	63	10,416	1,166	0.054	165.33	8.93	1.500	0.99979
1093	1	0.80	51	2,448	217	0.235	48.00	11.28	1.000	0.99974
1094	6	6.44	1,111	211,727	1,093	1.016	190.57	193.71	1.055	0.99552
1101	1	1.80	1	108	868	0.001	108.00	0.12	1.000	0.99999
1102	1	5.18	38	11,818	636	0.060	311.00	18.58	1.000	0.99957
1141	2	2.25	34	2,295	896	0.038	67.50	2.56	1.000	0.99994
1142	1	0.77	1	46	213	0.005	46.00	0.22	1.000	0.99999
1230	5	4.10	85	3,006	1,063	0.080	35.36	2.83	1.000	0.99993
1232	3	18.17	359	86,886	1,173	0.306	242.02	74.07	1.038	0.99829
1233	1	0.82	24	1,176	638	0.038	49.00	1.84	1.000	0.99996
1241	1	1.00	8	480	828	0.010	60.00	0.58	1.000	0.99999
1243	4	6.24	2,346	273,710	1,176	1.995	116.67	232.75	2.060	0.99461

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1261	2	9.72	2	583	382	0.005	291.50	1.53	1.000	0.99996
1262	11	7.10	1,951	60,267	2,011	0.970	30.89	29.97	1.024	0.99931
1263	1	0.63	15	570	943	0.016	38.00	0.60	1.000	0.99999
1265	13	22.05	257	33,176	1,473	0.174	129.09	22.52	1.127	0.99948
1267	2	1.10	24	880	68	0.353	36.67	12.94	1.043	0.99970
1271	1	1.92	1	115	909	0.001	115.00	0.13	1.000	0.99999
1282	4	8.45	1,024	206,451	911	1.124	201.61	226.62	1.122	0.99475
1284	1	1.02	1	61	853	0.001	61.00	0.07	1.000	0.99999
1285	3	14.51	384	118,964	1,060	0.362	309.80	112.23	1.000	0.99740
1311	3	9.49	264	46,918	263	1.004	177.72	178.40	1.039	0.99587
1312	5	8.10	81	6,153	907	0.089	75.96	6.78	1.038	0.99984
1451	4	4.76	503	39,207	551	0.913	77.95	71.16	1.006	0.99835
1452	1	0.80	1	48	444	0.002	48.00	0.11	1.000	0.99999
1453	5	20.05	26	2,617	1,768	0.015	100.65	1.48	1.083	0.99997
1454	4	3.95	437	24,510	904	0.483	56.09	27.11	1.000	0.99937
1455	8	10.13	152	15,872	1,758	0.086	104.42	9.03	1.000	0.99979
1521	1	1.32	51	4,029	348	0.147	79.00	11.58	1.000	0.99973
1523	3	6.00	133	20,722	698	0.191	155.80	29.69	1.064	0.99931
1841	3	3.44	7	506	1,413	0.005	72.29	0.36	1.000	0.99999
1843	3	4.19	435	28,147	1,059	0.411	64.71	26.58	1.064	0.99938
2092	2	2.28	28	1,918	896	0.031	68.50	2.14	2.000	0.99995
2211	2	2.74	47	3,719	718	0.065	79.13	5.18	1.022	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
2511	1	1.00	1	60	607	0.002	60.00	0.10	1.000	0.99999
2921	2	7.24	16	5,488	398	0.040	343.00	13.79	1.067	0.99968
2951	4	3.67	1,345	70,007	1,344	1.001	52.05	52.09	1.026	0.99879
2961	1	0.92	1	55	964	0.001	55.00	0.06	1.000	0.99999
2962	1	2.37	1	142	250	0.004	142.00	0.57	1.000	0.99999
3041	1	1.38	32	2,656	77	0.416	83.00	34.49	1.000	0.99920
3081	1	0.62	1	37	562	0.002	37.00	0.07	1.000	0.99999
3121	2	8.30	10	2,490	1,068	0.009	249.00	2.33	1.000	0.99995
3122	5	15.62	35	7,036	837	0.042	201.03	8.41	1.000	0.99981
3181	2	1.58	4	167	702	0.006	41.75	0.24	1.000	0.99999
3221	3	5.91	15	798	1,217	0.012	53.20	0.66	1.154	0.99998
3222	3	6.45	70	7,358	754	0.093	105.11	9.76	1.014	0.99977
3231	1	0.72	24	1,032	404	0.059	43.00	2.55	1.000	0.99994
3232	2	2.33	15	1,226	414	0.036	81.73	2.96	1.000	0.99993
3302	1	4.78	1	287	800	0.001	287.00	0.36	1.000	0.99999
3304	2	2.28	37	2,271	962	0.038	61.38	2.36	1.000	0.99995
3313	1	4.33	1	260	922	0.001	260.00	0.28	1.000	0.99999
3315	3	5.50	33	1,170	1,555	0.021	35.45	0.75	1.000	0.99998
3421	1	0.47	1	28	670	0.001	28.00	0.04	1.000	0.99999
3422	1	0.63	1	38	956	0.001	38.00	0.04	1.000	0.99999
3472	3	4.73	147	13,892	1,528	0.096	94.50	9.09	1.065	0.99979
3551	2	2.50	80	5,600	1,002	0.080	70.00	5.59	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
3553	1	1.95	22	2,574	1,013	0.022	117.00	2.54	1.000	0.99994
3591	1	1.05	18	1,134	1,098	0.016	63.00	1.03	1.000	0.99998
3592	4	7.14	92	7,437	1,678	0.055	80.84	4.43	1.011	0.99990
3593	3	9.93	213	24,743	928	0.230	116.16	26.66	1.005	0.99938
3621	6	15.66	284	35,200	1,549	0.183	123.94	22.72	1.025	0.99947
3661	5	11.52	138	11,441	1,086	0.127	82.91	10.53	1.015	0.99976
3662	1	0.50	27	810	1,111	0.024	30.00	0.73	1.000	0.99998
3671	1	1.50	52	4,680	1,096	0.047	90.00	4.27	1.000	0.99990
3691	1	1.05	28	1,764	1,120	0.025	63.00	1.58	1.000	0.99996
3871	6	11.39	101	8,686	1,361	0.074	86.00	6.38	1.086	0.99985
3872	1	3.70	1	222	1,145	0.001	222.00	0.19	1.000	0.99999
3873	1	3.73	1	224	783	0.001	224.00	0.29	1.000	0.99999
3878	1	2.70	19	3,078	794	0.024	162.00	3.88	1.000	0.99991
3891	3	3.60	15	1,088	409	0.037	72.53	2.66	1.000	0.99994
3892	1	1.37	1	82	457	0.002	82.00	0.18	1.000	0.99999
3893	4	8.83	196	17,529	1,066	0.184	89.43	16.44	1.059	0.99962
3894	1	1.93	1	116	112	0.009	116.00	1.04	1.000	0.99998
3901	1	1.88	8	904	854	0.009	113.00	1.06	1.000	0.99998
3902	2	9.53	41	12,064	97	0.423	294.24	124.37	1.000	0.99712
3903	1	1.02	1	61	286	0.003	61.00	0.21	1.000	0.99999
3913	5	10.14	277	28,944	943	0.294	104.49	30.69	1.004	0.99929
3951	2	1.39	62	3,563	1,067	0.058	57.47	3.34	1.016	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
3952	3	7.81	88	14,450	372	0.237	164.20	38.84	1.023	0.99910
3981	9	10.64	690	27,849	1,370	0.504	40.36	20.33	1.057	0.99953
3982	5	29.44	24	15,104	1,975	0.012	629.33	7.65	1.000	0.99982
3991	6	5.46	7	352	704	0.010	50.29	0.50	1.000	0.99999
406	3	3.26	70	3,010	70	1.000	43.00	43.00	1.029	0.99900
407	1	0.30	1	18	98	0.010	18.00	0.18	1.000	0.99999
4092	1	1.83	1	110	414	0.002	110.00	0.27	1.000	0.99999
4101	2	2.85	51	5,448	574	0.089	106.82	9.49	1.000	0.99978
4102	1	0.93	1	56	867	0.001	56.00	0.06	1.000	0.99999
4133	1	1.08	1	65	315	0.003	65.00	0.21	1.000	0.99999
4134	2	1.57	53	3,154	827	0.064	59.51	3.81	1.019	0.99991
4138	1	0.75	19	855	706	0.027	45.00	1.21	1.000	0.99997
4142	1	2.07	10	1,240	575	0.017	124.00	2.16	1.000	0.99995
4151	1	0.35	57	1,197	1,232	0.046	21.00	0.97	1.000	0.99998
4153	4	4.62	1,217	85,158	1,261	0.965	69.97	67.53	1.034	0.99844
4154	1	0.73	1	44	1,082	0.001	44.00	0.04	1.000	0.99999
4155	1	2.92	2,009	351,575	2,023	0.993	175.00	173.79	1.000	0.99598
4171	5	16.80	79	9,628	1,124	0.070	121.87	8.57	1.013	0.99980
4172	13	15.26	151	9,292	1,641	0.092	61.54	5.66	1.020	0.99987
4182	5	5.36	52	3,564	987	0.053	68.54	3.61	1.061	0.99992
4211	1	5.28	1	317	661	0.002	317.00	0.48	1.000	0.99999
4212	3	3.30	106	8,678	792	0.134	81.87	10.96	1.000	0.99975

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4221	4	14.07	16	2,104	476	0.034	131.50	4.42	1.067	0.99990
4223	3	2.29	153	6,987	1,394	0.110	45.67	5.01	1.000	0.99988
4224	4	14.67	69	18,120	679	0.102	262.61	26.69	1.015	0.99938
4301	2	2.15	62	5,049	154	0.403	81.44	32.79	1.016	0.99924
4303	1	0.95	11	627	775	0.014	57.00	0.81	1.000	0.99998
4313	5	4.58	27	1,503	531	0.051	55.67	2.83	1.080	0.99993
4331	3	2.92	284	19,564	295	0.963	68.89	66.32	1.007	0.99846
4332	1	1.15	1	69	299	0.003	69.00	0.23	1.000	0.99999
4341	3	2.13	103	5,262	1,707	0.060	51.09	3.08	1.000	0.99993
4342	6	5.09	41	1,796	1,695	0.024	43.80	1.06	1.000	0.99998
4343	1	0.82	41	2,009	1,010	0.041	49.00	1.99	1.000	0.99995
4361	2	3.44	78	6,300	1,627	0.048	80.77	3.87	1.026	0.99991
4363	6	3.79	530	21,438	1,277	0.415	40.45	16.79	1.000	0.99961
4371	2	2.88	40	3,647	1,503	0.027	91.18	2.43	1.000	0.99994
4372	1	4.05	1	243	416	0.002	243.00	0.58	1.000	0.99999
4373	2	4.57	6	914	744	0.008	152.33	1.23	1.000	0.99997
4385	2	5.40	912	85,864	1,102	0.828	94.15	77.92	1.001	0.99820
4431	4	4.03	25	1,339	1,327	0.019	53.56	1.01	1.000	0.99998
4432	6	17.30	34	4,923	433	0.079	144.79	11.37	1.030	0.99974
4511	2	3.20	10	1,016	1,114	0.009	101.60	0.91	1.000	0.99998
4513	2	3.28	18	1,669	590	0.031	92.72	2.83	1.000	0.99993
4601	1	1.45	26	2,262	397	0.065	87.00	5.70	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
4602	3	4.47	107	8,468	938	0.114	79.14	9.03	1.019	0.99979
5603	2	5.70	28	3,930	1,214	0.023	140.36	3.24	1.037	0.99993
6021	1	0.68	1	41	667	0.001	41.00	0.06	1.000	0.99999
6142	2	2.76	46	3,290	296	0.155	71.52	11.11	1.000	0.99974
6143	1	1.37	39	3,198	370	0.105	82.00	8.64	1.000	0.99980
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	364	661.80	22,844	2,342,076	155,927	0.147	102.52	15.02	1.084	0.99965

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2011 to 10/31/2011
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	2.24	112	4,313	1,352	0.083	38.51	3.19	1.009	0.99993
1051	2	1.21	193	7,331	1,051	0.184	37.98	6.98	1.000	0.99984
1081	1	2.68	1	161	18	0.056	161.00	8.94	1.000	0.99980
1082	4	5.00	12	1,004	1,271	0.009	83.67	0.79	1.000	0.99998
1091	3	9.80	69	17,140	1,607	0.043	248.41	10.67	1.015	0.99976
1092	1	0.72	1	43	1,166	0.001	43.00	0.04	1.000	0.99999
1094	6	4.70	90	4,528	1,093	0.082	50.31	4.14	1.000	0.99991
1101	4	3.83	9	615	868	0.010	68.33	0.71	1.000	0.99998
1102	3	8.35	40	12,674	636	0.063	316.85	19.93	1.026	0.99955
1141	4	6.83	67	5,891	896	0.075	87.93	6.57	1.031	0.99985
1211	2	8.35	2	501	1,459	0.001	250.50	0.34	1.000	0.99999
1212	6	1.76	6	106	318	0.019	17.67	0.33	1.000	0.99999
1213	1	6.28	603	227,331	539	1.119	377.00	421.76	1.000	0.99055
1230	2	1.14	2	68	1,063	0.002	34.00	0.06	1.000	0.99999
1232	1	1.23	309	22,866	1,173	0.263	74.00	19.49	1.000	0.99956
1241	1	1.53	37	3,404	828	0.045	92.00	4.11	1.000	0.99991
1243	2	5.23	49	7,133	1,176	0.042	145.57	6.07	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1262	1	1.40	7	588	2,011	0.003	84.00	0.29	1.000	0.99999
1263	4	3.45	49	2,377	943	0.052	48.51	2.52	1.000	0.99994
1265	3	1.78	100	3,571	1,473	0.068	35.71	2.42	1.000	0.99995
1267	2	0.64	2	38	68	0.029	19.00	0.56	2.000	0.99999
1271	4	6.50	11	1,145	909	0.012	104.09	1.26	1.000	0.99997
1273	1	0.97	65	3,770	863	0.075	58.00	4.37	1.000	0.99990
1283	1	2.40	365	52,560	348	1.049	144.00	151.03	1.000	0.99662
1284	2	27.67	23	3,172	853	0.027	137.91	3.72	1.000	0.99992
1285	4	7.70	250	43,019	1,060	0.236	172.08	40.58	1.004	0.99909
1311	1	0.27	1	16	263	0.004	16.00	0.06	1.000	0.99999
1312	8	12.87	1,202	119,284	907	1.325	99.24	131.51	1.331	0.99705
1451	4	3.90	75	5,559	551	0.136	74.12	10.09	1.027	0.99977
1453	1	0.83	1	50	1,768	0.001	50.00	0.03	1.000	0.99999
1454	2	4.56	29	5,593	904	0.032	192.86	6.19	1.000	0.99986
1455	6	9.47	288	29,576	1,758	0.164	102.69	16.82	1.000	0.99962
1523	2	2.55	8	651	698	0.011	81.38	0.93	1.000	0.99998
1841	4	5.02	4	301	1,413	0.003	75.25	0.21	1.000	0.99999
1842	1	2.25	45	6,075	263	0.171	135.00	23.10	1.000	0.99948
1843	1	2.23	10	1,340	1,059	0.009	134.00	1.27	1.000	0.99997
2052	2	2.83	5	500	85	0.059	100.00	5.88	1.250	0.99987
2091	1	1.53	1	92	863	0.001	92.00	0.11	1.000	0.99999
2092	3	4.72	17	1,375	896	0.019	80.88	1.53	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2171	2	2.65	11	879	547	0.020	79.91	1.61	1.100	0.99996
2172	1	1.10	1	66	216	0.005	66.00	0.31	1.000	0.99999
2211	2	2.67	2	160	718	0.003	80.00	0.22	1.000	0.99999
2212	2	2.41	51	3,567	1,251	0.041	69.94	2.85	1.000	0.99994
2491	1	1.98	15	1,785	60	0.250	119.00	29.75	1.000	0.99933
2511	2	4.73	27	3,505	607	0.044	129.81	5.77	1.038	0.99987
2621	2	2.87	2	172	1,116	0.002	86.00	0.15	1.000	0.99999
2951	5	5.83	506	35,530	1,344	0.376	70.22	26.44	1.039	0.99941
2952	1	0.52	27	837	144	0.188	31.00	5.81	1.000	0.99987
2961	5	61.46	207	77,856	964	0.215	376.12	80.76	2.134	0.99819
3222	1	2.57	1	154	754	0.001	154.00	0.20	1.000	0.99999
3304	2	2.44	18	1,338	962	0.019	74.33	1.39	1.000	0.99997
3311	1	1.75	15	1,575	471	0.032	105.00	3.34	1.000	0.99993
3314	1	0.55	1	33	222	0.005	33.00	0.15	1.000	0.99999
3315	3	6.37	4	484	1,555	0.003	121.00	0.31	1.000	0.99999
3422	1	5.12	8	2,456	956	0.008	307.00	2.57	1.000	0.99994
3471	1	1.42	12	1,020	159	0.075	85.00	6.42	1.000	0.99986
3472	7	5.31	153	9,691	1,528	0.100	63.34	6.34	1.020	0.99986
3552	1	1.75	6	630	570	0.011	105.00	1.11	1.000	0.99998
3553	2	2.05	207	14,178	1,013	0.204	68.49	14.00	1.035	0.99969
3591	2	2.25	36	2,430	1,098	0.033	67.50	2.21	2.000	0.99995
3592	1	1.18	8	568	1,678	0.005	71.00	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	6	7.05	212	12,567	928	0.228	59.28	13.54	1.240	0.99970
3621	4	6.55	1,750	160,351	1,549	1.130	91.63	103.52	1.153	0.99768
3661	3	4.74	160	8,159	1,086	0.147	50.99	7.51	1.000	0.99983
3662	5	6.89	143	9,554	1,111	0.129	66.81	8.60	1.014	0.99981
3663	2	2.05	2	123	287	0.007	61.50	0.43	1.000	0.99999
3671	1	0.47	4	112	1,096	0.004	28.00	0.10	1.000	0.99999
3691	1	1.55	13	1,209	1,120	0.012	93.00	1.08	1.000	0.99998
3692	3	4.20	32	3,500	402	0.080	109.38	8.71	1.000	0.99980
3702	4	2.83	66	1,612	592	0.111	24.42	2.72	1.031	0.99994
3751	6	11.69	99	11,620	853	0.116	117.37	13.62	1.021	0.99969
3878	3	1.41	47	1,559	794	0.059	33.17	1.96	1.044	0.99996
3892	1	0.70	1	42	457	0.002	42.00	0.09	1.000	0.99999
3893	9	8.47	26	1,413	1,066	0.024	54.35	1.33	1.000	0.99997
3914	1	1.95	1	117	631	0.002	117.00	0.19	1.000	0.99999
3951	5	8.39	67	8,470	1,067	0.063	126.42	7.94	1.063	0.99982
3971	1	1.00	18	1,080	647	0.028	60.00	1.67	1.000	0.99996
3981	12	15.12	1,568	75,386	1,370	1.145	48.08	55.03	1.183	0.99877
3982	2	36.60	105	27,808	1,975	0.053	264.84	14.08	1.000	0.99968
3991	8	9.91	55	4,214	704	0.078	76.62	5.99	1.078	0.99987
403	1	0.78	7	329	259	0.027	47.00	1.27	1.000	0.99997
4031	2	2.50	2	150	686	0.003	75.00	0.22	2.000	0.99999
4091	1	0.77	1	46	1,132	0.001	46.00	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
4101	1	2.28	1	137	574	0.002	137.00	0.24	1.000	0.99999
4102	2	2.10	21	1,245	867	0.024	59.29	1.44	1.000	0.99997
4133	3	3.80	5	374	315	0.016	74.80	1.19	1.250	0.99997
4137	1	0.75	55	2,475	808	0.068	45.00	3.06	1.000	0.99993
4142	1	2.58	566	87,730	575	0.984	155.00	152.57	1.000	0.99658
4151	3	2.43	182	8,200	1,232	0.148	45.05	6.66	1.000	0.99985
4152	1	1.12	2	134	779	0.003	67.00	0.17	1.000	0.99999
4154	13	7.50	1,215	110,927	1,082	1.123	91.30	102.52	1.111	0.99770
4155	1	1.48	4	356	2,023	0.002	89.00	0.18	1.000	0.99999
4171	4	7.09	104	6,159	1,124	0.093	59.22	5.48	1.000	0.99988
4172	5	5.73	128	10,537	1,641	0.078	82.32	6.42	1.000	0.99986
4181	4	6.40	58	6,036	468	0.124	104.07	12.90	1.000	0.99971
4182	2	2.37	18	1,726	987	0.018	95.89	1.75	1.000	0.99996
4211	1	1.05	47	2,961	661	0.071	63.00	4.48	1.000	0.99990
4212	4	5.35	58	6,407	792	0.073	110.47	8.09	1.018	0.99982
4223	5	6.84	219	10,299	1,394	0.157	47.03	7.39	1.000	0.99983
4224	1	3.83	4	920	679	0.006	230.00	1.35	1.000	0.99997
4301	1	1.13	61	4,148	154	0.396	68.00	26.94	1.000	0.99940
4324	2	4.29	4	631	1,061	0.004	157.75	0.59	1.000	0.99999
4341	1	3.30	1	198	1,707	0.001	198.00	0.12	1.000	0.99999
4342	3	1.97	44	1,594	1,695	0.026	36.23	0.94	1.000	0.99998
4343	1	1.40	7	588	1,010	0.007	84.00	0.58	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4361	3	17.94	74	4,910	1,627	0.045	66.35	3.02	1.000	0.99993
4362	2	4.09	36	4,665	809	0.044	129.58	5.77	1.000	0.99987
4363	17	16.38	128	10,170	1,277	0.100	79.45	7.96	1.000	0.99982
4371	6	7.95	22	2,249	1,503	0.015	102.23	1.50	1.000	0.99997
4373	3	5.29	8	887	744	0.011	110.88	1.19	1.000	0.99997
4431	2	17.10	5	2,111	1,327	0.004	422.20	1.59	1.000	0.99996
4432	1	0.43	58	1,508	433	0.134	26.00	3.48	1.000	0.99992
4511	4	3.75	75	4,380	1,114	0.067	58.40	3.93	1.119	0.99991
454	1	0.80	1	48	105	0.010	48.00	0.46	1.000	0.99999
4601	1	0.83	1	50	397	0.003	50.00	0.13	1.000	0.99999
4602	1	1.45	7	609	938	0.007	87.00	0.65	1.000	0.99999
5603	5	5.73	47	2,476	1,214	0.039	52.68	2.04	1.000	0.99995
6022	1	0.32	1	19	374	0.003	19.00	0.05	1.000	0.99999
6142	1	0.83	1	50	296	0.003	50.00	0.17	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	339	588.70	13,125	1,382,010	155,927	0.084	105.30	8.86	1.089	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2011 to 11/30/2011
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	7	18.00	242	49,012	1,352	0.179	202.53	36.25	1.008	0.99916
1051	7	16.79	1,159	207,636	1,051	1.103	179.15	197.56	1.115	0.99543
1082	5	8.23	27	2,047	1,271	0.021	75.81	1.61	1.000	0.99996
1091	5	12.65	1,551	23,949	1,607	0.965	15.44	14.90	1.003	0.99966
1092	5	13.32	112	22,238	1,166	0.096	198.55	19.07	1.143	0.99956
1094	2	2.04	22	1,282	1,093	0.020	58.27	1.17	1.000	0.99997
1101	5	22.35	205	57,296	868	0.236	279.49	66.01	1.005	0.99847
1102	1	9.18	35	19,285	636	0.055	551.00	30.32	1.000	0.99930
1142	1	0.80	6	288	213	0.028	48.00	1.35	1.000	0.99997
1211	2	3.03	86	10,262	1,459	0.059	119.33	7.03	1.000	0.99984
1212	2	4.95	2	297	318	0.006	148.50	0.93	1.000	0.99998
1213	1	0.73	9	396	539	0.017	44.00	0.73	1.000	0.99998
1230	1	2.15	1	129	1,063	0.001	129.00	0.12	1.000	0.99999
1232	2	2.35	55	2,222	1,173	0.047	40.40	1.89	1.000	0.99996
1243	1	1.50	1	90	1,176	0.001	90.00	0.08	1.000	0.99999
1261	7	12.82	437	35,827	382	1.144	81.98	93.79	1.098	0.99783
1262	2	4.49	1,915	260,410	2,011	0.952	135.98	129.49	1.005	0.99700

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	5.06	1,058	132,884	943	1.122	125.60	140.92	1.090	0.99674
1265	3	7.13	1,359	186,520	1,473	0.923	137.25	126.63	1.009	0.99707
1267	2	4.27	24	3,182	68	0.353	132.58	46.79	1.043	0.99892
1273	2	2.20	13	319	863	0.015	24.54	0.37	1.000	0.99999
1282	1	3.35	1	201	911	0.001	201.00	0.22	1.000	0.99999
1284	6	7.11	65	4,352	853	0.076	66.95	5.10	1.016	0.99988
1285	2	3.57	135	10,907	1,060	0.127	80.79	10.29	1.000	0.99976
1312	3	5.07	76	7,374	907	0.084	97.03	8.13	1.041	0.99981
1451	1	1.77	27	2,862	551	0.049	106.00	5.19	1.000	0.99988
1452	1	2.35	1	141	444	0.002	141.00	0.32	1.000	0.99999
1453	2	1.47	2	88	1,768	0.001	44.00	0.05	1.000	0.99999
1454	1	0.48	1	29	904	0.001	29.00	0.03	1.000	0.99999
1523	2	2.51	819	43,911	698	1.173	53.62	62.91	1.180	0.99854
1843	3	5.75	80	8,194	1,059	0.076	102.43	7.74	1.013	0.99982
2091	1	2.68	1	161	863	0.001	161.00	0.19	1.000	0.99999
2172	1	1.17	1	70	216	0.005	70.00	0.32	1.000	0.99999
2211	1	1.33	40	3,200	718	0.056	80.00	4.46	1.000	0.99990
2212	3	4.56	22	2,458	1,251	0.018	111.73	1.96	1.100	0.99995
2491	1	1.95	15	1,755	60	0.250	117.00	29.25	1.000	0.99932
2621	4	6.75	122	12,421	1,116	0.109	101.81	11.13	1.017	0.99974
2951	2	4.23	452	86,004	1,344	0.336	190.27	63.99	1.013	0.99852
2961	1	0.23	18	252	964	0.019	14.00	0.26	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3041	1	0.70	1	42	77	0.013	42.00	0.55	1.000	0.99999
3121	2	3.35	10	1,073	1,068	0.009	107.30	1.00	1.000	0.99998
3122	1	1.05	24	1,512	837	0.029	63.00	1.81	1.000	0.99996
3221	3	5.09	12	1,205	1,217	0.010	100.42	0.99	1.091	0.99998
3222	2	3.43	5	526	754	0.007	105.20	0.70	1.000	0.99998
3304	4	3.66	61	3,222	962	0.063	52.82	3.35	1.488	0.99992
3314	2	3.33	21	2,138	222	0.095	101.81	9.63	1.000	0.99978
3315	5	6.22	86	5,909	1,555	0.055	68.71	3.80	1.483	0.99991
3421	1	2.02	1	121	670	0.001	121.00	0.18	1.000	0.99999
3422	1	3.33	1	200	956	0.001	200.00	0.21	1.000	0.99999
3472	2	2.98	89	6,467	1,528	0.058	72.66	4.23	1.047	0.99990
3552	2	1.59	15	420	570	0.026	28.00	0.74	1.071	0.99998
3553	1	1.40	64	5,376	1,013	0.063	84.00	5.31	1.000	0.99988
3592	1	1.83	1	110	1,678	0.001	110.00	0.07	1.000	0.99999
3593	1	2.98	173	30,967	928	0.186	179.00	33.37	1.000	0.99923
3594	1	1.40	1	84	615	0.002	84.00	0.14	1.000	0.99999
3621	4	9.35	74	7,747	1,549	0.048	104.69	5.00	1.000	0.99988
3661	2	3.75	12	2,105	1,086	0.011	175.42	1.94	1.000	0.99996
3662	19	47.44	469	50,442	1,111	0.422	107.55	45.40	1.040	0.99895
3663	1	0.97	248	14,384	287	0.864	58.00	50.12	1.000	0.99884
3691	1	1.72	13	1,339	1,120	0.012	103.00	1.20	1.000	0.99997
3694	3	2.10	25	1,380	1,231	0.020	55.20	1.12	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3701	1	1.85	1	111	468	0.002	111.00	0.24	1.000	0.99999
3751	5	20.02	72	32,458	853	0.084	450.81	38.05	1.014	0.99912
3871	3	5.09	106	6,533	1,361	0.078	61.63	4.80	1.029	0.99989
3872	4	5.06	1,246	35,373	1,145	1.088	28.39	30.89	1.061	0.99928
3873	1	0.42	53	1,325	783	0.068	25.00	1.69	1.000	0.99996
3901	2	3.75	9	1,065	854	0.011	118.33	1.25	1.125	0.99997
3913	1	1.82	1	109	943	0.001	109.00	0.12	1.000	0.99999
3914	1	3.80	4	912	631	0.006	228.00	1.45	1.000	0.99997
3951	4	10.61	293	61,468	1,067	0.275	209.79	57.61	1.021	0.99867
3971	2	5.05	3	343	647	0.005	114.33	0.53	1.000	0.99999
3981	2	3.07	2	184	1,370	0.001	92.00	0.13	1.000	0.99999
3982	3	23.38	106	18,211	1,975	0.054	171.80	9.22	1.000	0.99979
3991	2	3.04	2	182	704	0.003	91.00	0.26	1.000	0.99999
4031	3	8.22	262	23,938	686	0.382	91.37	34.90	1.101	0.99919
4091	2	2.25	20	1,791	1,132	0.018	89.55	1.58	1.000	0.99996
4092	1	1.63	13	1,274	414	0.031	98.00	3.08	1.000	0.99993
4101	4	4.04	135	10,759	574	0.235	79.70	18.74	1.000	0.99957
4102	5	3.96	963	24,404	867	1.111	25.34	28.15	1.112	0.99935
4132	1	0.97	43	2,494	564	0.076	58.00	4.42	1.000	0.99990
4134	1	2.07	1	124	827	0.001	124.00	0.15	1.000	0.99999
4137	5	6.26	41	4,212	808	0.051	102.73	5.21	1.519	0.99988
4138	2	2.22	2	133	706	0.003	66.50	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	2	2.89	71	5,585	575	0.123	78.66	9.71	1.014	0.99978
4151	5	8.04	71	3,717	1,232	0.058	52.35	3.02	1.060	0.99993
4152	1	0.38	2	46	779	0.003	23.00	0.06	1.000	0.99999
4154	2	1.98	145	8,668	1,082	0.134	59.78	8.01	1.000	0.99981
4155	1	1.55	2	186	2,023	0.001	93.00	0.09	1.000	0.99999
4171	2	3.68	28	1,389	1,124	0.025	49.61	1.24	1.037	0.99997
4172	6	7.64	107	13,792	1,641	0.065	128.90	8.40	1.019	0.99981
4181	1	2.28	1	137	468	0.002	137.00	0.29	1.000	0.99999
4182	1	1.65	1	99	987	0.001	99.00	0.10	1.000	0.99999
4212	1	0.68	11	451	792	0.014	41.00	0.57	1.000	0.99999
4221	1	0.57	12	408	476	0.025	34.00	0.86	1.000	0.99998
4223	2	1.65	46	3,091	1,394	0.033	67.20	2.22	1.000	0.99995
4224	1	2.32	45	6,255	679	0.066	139.00	9.21	1.000	0.99979
4302	1	1.75	4	420	1,093	0.004	105.00	0.38	1.000	0.99999
4303	1	1.90	9	1,026	775	0.012	114.00	1.32	1.000	0.99997
4322	1	0.10	1	6	88	0.011	6.00	0.07	1.000	0.99999
4324	1	2.30	2	276	1,061	0.002	138.00	0.26	1.000	0.99999
4334	1	1.18	1	71	449	0.002	71.00	0.16	1.000	0.99999
4341	2	2.87	2	172	1,707	0.001	86.00	0.10	1.000	0.99999
4342	7	5.95	189	9,662	1,695	0.112	51.12	5.70	1.235	0.99987
4361	6	39.07	279	17,225	1,627	0.171	61.74	10.59	1.446	0.99975
4362	3	2.32	168	6,874	809	0.208	40.92	8.50	1.012	0.99980

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	0.78	5	235	1,277	0.004	47.00	0.18	1.000	0.99999
4371	3	3.48	42	2,493	1,503	0.028	59.36	1.66	1.024	0.99996
4373	1	2.12	1	127	744	0.001	127.00	0.17	1.000	0.99999
4431	2	3.35	34	2,729	1,327	0.026	80.26	2.06	1.030	0.99995
4432	1	18.17	58	63,220	433	0.134	1090.00	146.00	1.000	0.99662
4511	1	0.75	1	45	1,114	0.001	45.00	0.04	1.000	0.99999
4601	1	0.62	1	37	397	0.003	37.00	0.09	1.000	0.99999
4602	1	0.85	24	1,224	938	0.026	51.00	1.30	1.000	0.99997
5602	2	15.62	19	1,974	679	0.028	103.89	2.91	1.000	0.99993
5603	3	4.05	39	2,997	1,214	0.032	76.85	2.47	1.000	0.99994
6021	1	0.63	17	646	667	0.025	38.00	0.97	1.000	0.99998
6141	1	1.20	1	72	623	0.002	72.00	0.12	1.000	0.99999
6143	2	4.18	2	251	370	0.005	125.50	0.68	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	287	587.19	16,422	1,719,729	155,927	0.105	104.72	11.03	1.055	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2011 to 12/31/2011
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	0.58	49	1,715	1,352	0.036	35.00	1.27	1.000	0.99997
1051	3	5.27	225	8,674	1,051	0.214	38.55	8.25	1.004	0.99982
1082	2	2.40	9	704	1,271	0.007	78.22	0.55	1.000	0.99999
1091	3	3.49	3	209	1,607	0.002	69.67	0.13	1.000	0.99999
1092	2	1.31	34	1,775	1,166	0.029	52.21	1.52	1.030	0.99997
1093	2	3.25	41	2,133	217	0.189	52.02	9.83	1.000	0.99978
1094	2	2.05	2	123	1,093	0.002	61.50	0.11	1.000	0.99999
1101	1	3.75	95	21,375	868	0.109	225.00	24.63	1.000	0.99945
1211	2	4.52	2	271	1,459	0.001	135.50	0.19	1.000	0.99999
1212	2	6.53	4	756	318	0.013	189.00	2.38	1.333	0.99995
1230	2	5.05	1,101	291,538	1,063	1.036	264.79	274.26	1.001	0.99386
1232	2	4.21	1,180	253,523	1,173	1.006	214.85	216.13	1.001	0.99516
1233	1	3.62	633	137,361	638	0.992	217.00	215.30	1.000	0.99518
1241	3	7.08	203	28,401	828	0.245	139.91	34.30	1.862	0.99923
1242	1	0.90	1	54	670	0.001	54.00	0.08	1.000	0.99999
1243	2	1.65	79	2,332	1,176	0.067	29.52	1.98	1.013	0.99996
1262	2	5.46	153	19,203	2,011	0.076	125.51	9.55	1.007	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
1265	2	1.33	79	3,655	1,473	0.054	46.27	2.48	1.000	0.99994
1271	2	7.65	991	210,235	909	1.090	212.14	231.28	1.083	0.99482
1273	1	3.23	3	582	863	0.003	194.00	0.67	1.000	0.99998
1282	1	0.73	33	1,452	911	0.036	44.00	1.59	1.000	0.99996
1283	1	1.60	1	96	348	0.003	96.00	0.28	1.000	0.99999
1284	1	1.05	22	1,386	853	0.026	63.00	1.62	1.000	0.99996
1285	1	3.77	37	8,362	1,060	0.035	226.00	7.89	1.000	0.99982
1453	2	2.07	2	124	1,768	0.001	62.00	0.07	1.000	0.99999
1454	1	0.58	1	35	904	0.001	35.00	0.04	1.000	0.99999
1521	2	2.60	660	51,480	348	1.897	78.00	147.93	2.000	0.99669
1522	2	2.43	96	5,410	96	1.000	56.35	56.35	1.011	0.99874
1523	3	2.10	696	40,320	698	0.997	57.93	57.77	1.003	0.99871
1841	2	1.93	69	6,347	1,413	0.049	91.99	4.49	1.000	0.99990
1843	2	5.55	37	2,398	1,059	0.035	64.81	2.26	1.000	0.99995
2171	1	0.73	65	2,860	547	0.119	44.00	5.23	1.000	0.99988
2212	1	0.53	1	32	1,251	0.001	32.00	0.03	1.000	0.99999
2511	1	1.92	49	5,635	607	0.081	115.00	9.28	1.000	0.99979
2621	1	1.75	20	2,100	1,116	0.018	105.00	1.88	1.000	0.99996
2622	1	1.63	6	588	112	0.054	98.00	5.25	1.000	0.99988
2961	1	3.28	1	197	964	0.001	197.00	0.20	1.000	0.99999
3121	1	0.80	1	48	1,068	0.001	48.00	0.04	1.000	0.99999
3122	2	0.78	44	1,080	837	0.053	24.55	1.29	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3221	2	1.67	9	452	1,217	0.007	50.22	0.37	1.000	0.99999
3232	2	2.32	2	139	414	0.005	69.50	0.34	1.000	0.99999
3314	1	0.83	20	1,000	222	0.090	50.00	4.50	1.000	0.99990
3315	2	2.57	33	2,417	1,555	0.021	73.24	1.55	1.000	0.99997
3421	1	2.57	1	154	670	0.001	154.00	0.23	1.000	0.99999
3422	4	4.76	26	1,716	956	0.027	66.00	1.79	1.000	0.99996
3552	1	1.72	12	1,236	570	0.021	103.00	2.17	1.000	0.99995
3553	1	1.32	9	711	1,013	0.009	79.00	0.70	1.000	0.99998
3621	4	8.80	40	5,160	1,549	0.026	129.00	3.33	1.026	0.99993
3662	1	1.15	14	966	1,111	0.013	69.00	0.87	1.000	0.99998
3692	1	2.93	13	2,288	402	0.032	176.00	5.69	1.000	0.99987
3693	1	1.05	28	1,764	186	0.151	63.00	9.48	1.000	0.99979
3751	2	3.24	67	7,456	853	0.079	111.28	8.74	1.000	0.99980
3871	6	18.37	147	22,095	1,361	0.108	150.31	16.23	1.058	0.99964
3878	1	4.38	19	4,997	794	0.024	263.00	6.29	1.000	0.99986
3891	3	5.40	3	324	409	0.007	108.00	0.79	1.000	0.99998
3892	1	2.12	12	1,524	457	0.026	127.00	3.33	1.000	0.99993
3893	6	6.19	279	13,949	1,066	0.262	50.00	13.09	1.049	0.99971
3901	1	2.15	17	2,193	854	0.020	129.00	2.57	1.000	0.99994
3912	1	1.48	1	89	424	0.002	89.00	0.21	1.000	0.99999
3913	5	4.60	259	16,746	943	0.275	64.66	17.76	1.066	0.99960
3914	2	1.39	77	2,981	631	0.122	38.71	4.72	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
3951	1	1.10	23	1,518	1,067	0.022	66.00	1.42	1.000	0.99997
3971	2	4.59	2	275	647	0.003	137.50	0.43	2.000	0.99999
3981	6	54.68	31	32,998	1,370	0.023	1064.45	24.09	1.000	0.99946
3982	6	6.09	2,518	142,951	1,975	1.275	56.77	72.38	1.273	0.99838
3991	1	1.57	1	94	704	0.001	94.00	0.13	1.000	0.99999
4031	1	1.75	1	105	686	0.001	105.00	0.15	1.000	0.99999
4101	1	1.33	79	6,320	574	0.138	80.00	11.01	1.000	0.99975
4102	4	4.86	41	3,004	867	0.047	73.27	3.46	1.000	0.99992
4133	1	1.27	1	76	315	0.003	76.00	0.24	1.000	0.99999
4134	2	1.93	67	3,849	827	0.081	57.45	4.65	1.031	0.99990
4138	1	3.18	1	191	706	0.001	191.00	0.27	1.000	0.99999
4142	1	1.73	62	6,448	575	0.108	104.00	11.21	1.000	0.99975
4151	4	6.98	57	2,751	1,232	0.046	48.26	2.23	1.056	0.99995
4153	1	1.57	1	94	1,261	0.001	94.00	0.07	1.000	0.99999
4154	1	0.95	34	1,938	1,082	0.031	57.00	1.79	1.000	0.99996
4171	5	2.95	58	1,850	1,124	0.052	31.90	1.65	1.036	0.99996
4172	7	14.01	139	26,344	1,641	0.085	189.53	16.05	1.015	0.99964
4211	1	1.12	1	67	661	0.002	67.00	0.10	1.000	0.99999
4212	5	5.39	109	7,254	792	0.138	66.55	9.16	1.009	0.99979
4222	1	4.37	15	3,930	315	0.048	262.00	12.48	1.000	0.99972
4223	3	5.34	10	986	1,394	0.007	98.60	0.71	1.000	0.99998
4302	1	6.43	1	386	1,093	0.001	386.00	0.35	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
4312	1	0.58	986	34,510	972	1.014	35.00	35.50	1.000	0.99920
4324	1	1.73	1	104	1,061	0.001	104.00	0.10	1.000	0.99999
4341	1	2.03	1	122	1,707	0.001	122.00	0.07	1.000	0.99999
4342	2	2.07	52	2,680	1,695	0.031	51.54	1.58	1.000	0.99996
4363	7	4.33	98	2,553	1,277	0.077	26.05	2.00	1.010	0.99996
4381	1	0.90	1	54	280	0.004	54.00	0.19	1.000	0.99999
4383	1	0.68	1	41	140	0.007	41.00	0.29	1.000	0.99999
4385	2	5.69	912	214,191	1,102	0.828	234.86	194.37	1.001	0.99565
4386	1	2.48	1	149	1,646	0.001	149.00	0.09	1.000	0.99999
4512	1	2.55	7	1,071	873	0.008	153.00	1.23	1.000	0.99997
4601	3	4.42	28	2,740	397	0.071	97.86	6.90	1.077	0.99985
5602	1	32.05	1	1,923	679	0.001	1923.00	2.83	1.000	0.99994
5603	1	1.97	2	236	1,214	0.002	118.00	0.19	1.000	0.99999
6021	2	3.43	698	15,134	667	1.046	21.68	22.69	1.028	0.99949
6141	1	1.12	9	603	623	0.014	67.00	0.97	1.000	0.99998
6144	1	1.95	8	936	313	0.026	117.00	2.99	1.000	0.99993
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	197	391.34	13,874	1,725,402	155,927	0.089	124.36	11.07	1.088	0.99975

Appendix B

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

1/1/2011 to 1/31/2011

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	1.48	4	356	1,350	0.003	89.00	0.26	1.000	0.99999
1051	3	3.74	51	1,633	1,049	0.049	32.02	1.56	1.000	0.99997
1082	6	43.57	6	2,615	1,271	0.005	435.83	2.06	1.000	0.99995
1091	5	11.04	105	16,362	1,607	0.065	155.83	10.18	1.029	0.99977
1092	1	0.73	1	44	1,166	0.001	44.00	0.04	1.000	0.99999
1103	1	1.38	1	83	868	0.001	83.00	0.10	1.000	0.99999
1141	1	0.60	883	31,788	894	0.988	36.00	35.56	1.000	0.99920
1142	1	0.60	206	7,416	213	0.967	36.00	34.82	1.000	0.99922
1212	1	1.50	2	180	317	0.006	90.00	0.57	1.000	0.99999
1226	1	1.30	38	2,964	345	0.110	78.00	8.59	1.000	0.99981
1227	7	9.82	1,173	69,823	1,170	1.003	59.53	59.68	1.406	0.99866
1229	2	1.99	2	119	1,996	0.001	59.50	0.06	1.000	0.99999
1230	3	12.60	114	29,349	1,069	0.107	257.45	27.45	1.425	0.99938
1243	3	3.27	1,277	43,809	1,171	1.091	34.31	37.41	1.028	0.99916
1263	1	0.72	1	43	1,309	0.001	43.00	0.03	1.000	0.99999
1267	1	2.25	22	2,970	68	0.324	135.00	43.68	1.000	0.99902
1271	3	1,039.47	3	62,368	908	0.003	20789.33	68.69	1.000	0.99846

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1273	2	4.40	12	1,964	863	0.014	163.67	2.28	1.000	0.99995
1285	3	5.16	285	32,337	1,059	0.269	113.46	30.54	1.004	0.99932
1311	1	1.12	1	67	263	0.004	67.00	0.25	1.000	0.99999
1312	1	0.87	59	3,068	905	0.065	52.00	3.39	1.000	0.99992
1452	1	0.92	1	55	443	0.002	55.00	0.12	1.000	0.99999
1453	6	8.29	59	5,831	1,768	0.033	98.83	3.30	1.017	0.99993
1454	1	3.12	91	17,017	904	0.101	187.00	18.82	1.000	0.99958
1521	1	0.62	26	962	694	0.037	37.00	1.39	1.000	0.99997
1523	3	4.10	5	436	698	0.007	87.20	0.62	1.250	0.99999
1841	1	1.08	1	65	1,316	0.001	65.00	0.05	1.000	0.99999
1842	1	3.12	10	1,870	263	0.038	187.00	7.11	1.000	0.99984
2091	3	5.78	3	347	863	0.003	115.67	0.40	1.000	0.99999
2211	2	7.35	3	804	718	0.004	268.00	1.12	1.000	0.99997
2492	2	4.33	29	665	29	1.000	22.93	22.93	1.000	0.99949
2501	1	2.92	2	350	77	0.026	175.00	4.55	1.000	0.99990
2511	1	0.87	49	2,548	607	0.081	52.00	4.20	1.000	0.99991
3081	2	1.20	2	72	563	0.004	36.00	0.13	1.000	0.99999
3121	1	0.73	1	44	1,068	0.001	44.00	0.04	1.000	0.99999
3221	2	7.11	94	29,315	1,217	0.077	311.86	24.09	1.011	0.99946
3231	1	0.85	401	20,451	403	0.995	51.00	50.75	1.000	0.99886
3304	1	0.83	29	1,450	961	0.030	50.00	1.51	1.000	0.99997
3312	1	4.20	22	5,544	353	0.062	252.00	15.71	1.000	0.99965

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3313	3	3.45	24	1,446	922	0.026	60.25	1.57	1.043	0.99996
3315	1	1.05	2	126	1,505	0.001	63.00	0.08	1.000	0.99999
3421	1	0.83	1	50	668	0.001	50.00	0.07	1.000	0.99999
3472	1	4.95	4	1,188	1,527	0.003	297.00	0.78	1.000	0.99998
3551	1	0.17	9	90	1,001	0.009	10.00	0.09	1.000	0.99999
3552	1	0.65	18	702	570	0.032	39.00	1.23	1.000	0.99997
3553	1	1.25	33	2,475	1,010	0.033	75.00	2.45	1.000	0.99995
3591	1	1.73	19	1,976	1,098	0.017	104.00	1.80	1.000	0.99996
3621	4	5.20	57	7,121	1,547	0.037	124.93	4.60	1.018	0.99990
3661	1	0.97	113	6,554	1,085	0.104	58.00	6.04	1.000	0.99986
3662	8	11.85	2,270	217,359	1,102	2.060	95.75	197.24	2.077	0.99558
3663	1	0.98	9	531	286	0.031	59.00	1.86	1.000	0.99996
3694	1	1.07	1	64	1,231	0.001	64.00	0.05	1.000	0.99999
3702	1	1.60	34	3,264	592	0.057	96.00	5.51	1.000	0.99988
3871	1	0.62	1	37	1,361	0.001	37.00	0.03	1.000	0.99999
3872	2	2.69	17	1,436	1,145	0.015	84.47	1.25	1.000	0.99997
3873	2	1.67	44	1,528	783	0.056	34.73	1.95	1.000	0.99996
3878	1	2.50	1	150	1,125	0.001	150.00	0.13	1.000	0.99999
3893	11	15.71	463	43,477	772	0.600	93.90	56.32	1.064	0.99874
3901	1	3.37	1	202	850	0.001	202.00	0.24	1.000	0.99999
3913	4	6.02	98	4,356	1,316	0.074	44.45	3.31	1.000	0.99993
3914	1	3.78	61	13,847	707	0.086	227.00	19.59	1.000	0.99956

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3951	5	6.60	38	2,591	1,067	0.036	68.18	2.43	1.027	0.99995
3971	1	0.98	2	118	647	0.003	59.00	0.18	1.000	0.99999
3981	1	0.77	25	1,150	1,468	0.017	46.00	0.78	1.000	0.99998
3982	4	8.99	196	22,397	2,050	0.096	114.27	10.93	1.043	0.99976
3991	1	3.30	1	198	703	0.001	198.00	0.28	1.000	0.99999
3992	2	4.43	2	266	161	0.012	133.00	1.65	1.000	0.99996
4091	1	1.07	1	64	1,130	0.001	64.00	0.06	1.000	0.99999
4092	1	1.12	4	268	415	0.010	67.00	0.65	1.000	0.99999
4137	1	1.50	1	90	808	0.001	90.00	0.11	1.000	0.99999
4138	3	3.48	32	2,086	705	0.045	65.19	2.96	1.000	0.99993
4142	1	1.80	1	108	574	0.002	108.00	0.19	1.000	0.99999
4151	2	3.40	2	204	1,233	0.002	102.00	0.17	1.000	0.99999
4153	1	0.85	1	51	1,258	0.001	51.00	0.04	1.000	0.99999
4171	1	1.23	1	74	1,123	0.001	74.00	0.07	1.000	0.99999
4172	7	12.86	77	3,917	1,645	0.047	50.87	2.38	1.027	0.99995
4173	1	1.15	1	69	605	0.002	69.00	0.11	1.000	0.99999
4181	1	0.58	1	35	468	0.002	35.00	0.07	1.000	0.99999
4182	1	0.72	38	1,634	986	0.039	43.00	1.66	1.000	0.99996
4211	1	1.53	14	1,288	1,277	0.011	92.00	1.01	1.000	0.99998
4212	1	1.47	11	968	792	0.014	88.00	1.22	1.000	0.99997
4221	1	4.13	30	7,440	476	0.063	248.00	15.63	1.000	0.99965
4222	4	5.56	15	1,709	1,599	0.009	113.93	1.07	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
4223	1	0.57	27	918	1,006	0.027	34.00	0.91	1.000	0.99998
4224	1	0.88	1	53	679	0.001	53.00	0.08	1.000	0.99999
4301	1	1.25	1	75	598	0.002	75.00	0.13	1.000	0.99999
4303	1	2.02	1	121	843	0.001	121.00	0.14	1.000	0.99999
4311	1	0.77	25	1,150	900	0.028	46.00	1.28	1.000	0.99997
4333	1	1.12	1	67	501	0.002	67.00	0.13	1.000	0.99999
4341	4	5.65	15	2,011	1,705	0.009	134.07	1.18	1.000	0.99997
4342	1	1.52	1	91	1,695	0.001	91.00	0.05	1.000	0.99999
4343	1	1.10	18	1,188	1,009	0.018	66.00	1.18	1.000	0.99997
4371	6	8.95	27	2,337	2,242	0.012	86.56	1.04	1.038	0.99998
4385	1	4.80	1	288	1,104	0.001	288.00	0.26	1.000	0.99999
4386	1	1.62	1,145	111,065	1,646	0.696	97.00	67.48	1.000	0.99849
4511	1	1.37	24	1,968	1,113	0.022	82.00	1.77	1.000	0.99996
5603	1	0.85	27	1,377	1,232	0.022	51.00	1.12	1.000	0.99997
6021	2	1.23	6	226	667	0.009	37.67	0.34	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	194	1,378.36	10,168	874,823	159,640	0.064	86.04	5.48	1.191	0.99988

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2011 to 2/28/2011
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	4	4.97	52	3,802	1,271	0.041	73.12	2.99	1.061	0.99992
1091	4	4.27	116	7,816	1,608	0.072	67.38	4.86	2.035	0.99987
1092	1	1.53	1	92	1,166	0.001	92.00	0.08	1.000	0.99999
1093	1	1.53	37	3,404	217	0.171	92.00	15.69	1.000	0.99960
1094	4	12.00	100	17,808	1,110	0.090	178.08	16.04	1.031	0.99959
1102	1	1.25	1	75	636	0.002	75.00	0.12	1.000	0.99999
1103	1	1.07	1	64	868	0.001	64.00	0.07	1.000	0.99999
1141	1	3.82	1	229	895	0.001	229.00	0.26	1.000	0.99999
1211	1	0.90	14	756	1,458	0.010	54.00	0.52	1.000	0.99999
1225	1	1.18	18	1,278	933	0.019	71.00	1.37	1.000	0.99996
1227	1	2.47	112	16,576	1,170	0.096	148.00	14.17	1.000	0.99964
1230	3	2.64	113	2,639	1,068	0.106	23.35	2.47	1.009	0.99994
1232	2	3.07	2	184	1,161	0.002	92.00	0.16	1.000	0.99999
1233	1	1.43	1	86	638	0.002	86.00	0.13	1.000	0.99999
1241	1	0.87	88	4,576	827	0.106	52.00	5.53	1.000	0.99986
1263	2	4.39	70	9,097	1,309	0.053	129.96	6.95	1.000	0.99982
1271	1	1.07	914	58,496	908	1.007	64.00	64.42	1.000	0.99834

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1273	4	8.59	49	6,149	863	0.057	125.49	7.13	1.089	0.99982
1281	1	1.10	1	66	101	0.010	66.00	0.65	1.000	0.99998
1284	1	1.22	1	73	864	0.001	73.00	0.08	1.000	0.99999
1311	1	1.62	1	97	263	0.004	97.00	0.37	1.000	0.99999
1312	1	1.72	19	1,957	906	0.021	103.00	2.16	1.000	0.99994
1452	1	1.35	1	81	444	0.002	81.00	0.18	1.000	0.99999
1454	2	2.06	992	44,494	904	1.097	44.85	49.22	1.101	0.99873
1521	2	2.72	140	9,955	694	0.202	71.11	14.34	1.000	0.99963
1523	3	3.46	16	754	698	0.023	47.13	1.08	1.067	0.99997
1841	1	61.47	1	3,688	1,318	0.001	3688.00	2.80	1.000	0.99993
2052	1	2.95	1	177	85	0.012	177.00	2.08	1.000	0.99995
2091	1	1.45	484	42,108	863	0.561	87.00	48.79	1.000	0.99875
2171	1	1.25	1	75	546	0.002	75.00	0.14	1.000	0.99999
2622	1	3.45	6	1,242	114	0.053	207.00	10.89	1.000	0.99972
2951	1	0.92	17	935	1,344	0.013	55.00	0.70	1.000	0.99998
2962	2	4.38	24	5,081	250	0.096	211.71	20.32	1.043	0.99948
3081	1	0.95	1	57	562	0.002	57.00	0.10	1.000	0.99999
3122	1	1.98	20	2,380	836	0.024	119.00	2.85	1.000	0.99993
3221	2	7.12	5	1,096	1,217	0.004	219.20	0.90	1.000	0.99998
3222	1	2.67	1	160	752	0.001	160.00	0.21	1.000	0.99999
3231	1	0.67	401	16,040	404	0.993	40.00	39.70	1.000	0.99898
3301	1	1.87	6	672	205	0.029	112.00	3.28	1.000	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
3314	1	2.88	1	173	222	0.005	173.00	0.78	1.000	0.99998
3315	5	4.92	237	15,143	1,530	0.155	63.89	9.90	4.017	0.99975
3421	1	0.87	1	52	669	0.001	52.00	0.08	1.000	0.99999
3422	2	3.65	78	4,551	955	0.082	58.35	4.77	1.013	0.99988
3472	2	3.63	4	378	1,528	0.003	94.50	0.25	1.333	0.99999
3592	1	2.03	4	488	1,678	0.002	122.00	0.29	1.000	0.99999
3621	1	1.07	1	64	1,548	0.001	64.00	0.04	1.000	0.99999
3661	3	10.40	39	6,006	1,086	0.036	154.00	5.53	1.026	0.99986
3662	1	3.90	6	1,404	1,106	0.005	234.00	1.27	1.000	0.99997
3691	1	2.25	6	810	1,120	0.005	135.00	0.72	1.000	0.99998
3701	1	4.42	1	265	468	0.002	265.00	0.57	1.000	0.99999
3751	2	1.67	33	1,867	1,148	0.029	56.58	1.63	1.031	0.99996
3878	2	4.88	108	18,419	1,124	0.096	170.55	16.39	1.009	0.99958
3891	2	4.13	404	28,790	409	0.988	71.26	70.39	1.002	0.99819
3893	2	3.98	19	2,264	772	0.025	119.16	2.93	1.900	0.99992
3901	1	2.05	1	123	852	0.001	123.00	0.14	1.000	0.99999
3903	1	1.12	1	67	286	0.003	67.00	0.23	1.000	0.99999
3912	1	0.78	22	1,034	1,114	0.020	47.00	0.93	1.000	0.99998
3913	1	1.82	1	109	1,130	0.001	109.00	0.10	1.000	0.99999
3914	3	2.84	63	4,850	694	0.091	76.98	6.99	1.033	0.99982
3981	1	0.98	1	59	1,469	0.001	59.00	0.04	1.000	0.99999
3991	2	5.90	2	354	704	0.003	177.00	0.50	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
4031	1	2.22	1	133	686	0.001	133.00	0.19	1.000	0.99999
4092	1	2.38	13	1,859	415	0.031	143.00	4.48	1.000	0.99988
4134	1	1.32	9	711	827	0.011	79.00	0.86	1.000	0.99998
4142	1	2.15	1	129	576	0.002	129.00	0.22	1.000	0.99999
4151	1	1.20	1	72	1,233	0.001	72.00	0.06	1.000	0.99999
4153	2	1.30	15	533	1,260	0.012	35.53	0.42	1.071	0.99999
4154	4	4.79	28	2,009	1,082	0.026	71.75	1.86	4.000	0.99995
4171	2	3.00	2	180	1,124	0.002	90.00	0.16	1.000	0.99999
4172	6	6.32	193	12,662	1,643	0.117	65.61	7.71	1.892	0.99980
4181	1	1.95	1	117	468	0.002	117.00	0.25	1.000	0.99999
4211	6	10.46	1,386	191,288	1,278	1.085	138.01	149.68	1.545	0.99615
4212	2	2.10	2	126	792	0.003	63.00	0.16	1.000	0.99999
4221	2	2.05	5	189	476	0.011	37.80	0.40	1.250	0.99999
4302	1	3.42	73	14,965	641	0.114	205.00	23.35	1.000	0.99940
4341	2	4.45	2	267	1,706	0.001	133.50	0.16	1.000	0.99999
4342	1	2.00	6	720	1,695	0.004	120.00	0.42	1.000	0.99999
4343	1	0.55	18	594	1,010	0.018	33.00	0.59	1.000	0.99998
4361	2	7.73	8	1,106	1,907	0.004	138.25	0.58	1.143	0.99999
4362	1	0.62	36	1,332	809	0.044	37.00	1.65	1.000	0.99996
4371	1	1.42	9	765	1,872	0.005	85.00	0.41	1.000	0.99999
4386	1	1.48	238	21,182	1,646	0.145	89.00	12.87	1.000	0.99967
4431	4	8.78	81	8,269	1,324	0.061	102.09	6.25	1.025	0.99984

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4432	3	5.18	51	4,631	432	0.118	90.80	10.72	2.040	0.99972
4602	6	12.01	14	4,310	938	0.015	307.86	4.59	1.750	0.99988
5602	2	3.72	665	74,360	668	0.996	111.82	111.32	1.220	0.99714
5603	2	2.98	2,455	219,746	1,232	1.993	89.51	178.37	1.999	0.99541
6141	1	1.12	1	67	622	0.002	67.00	0.11	1.000	0.99999
6144	1	1.72	1	103	313	0.003	103.00	0.33	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	157	332.02	10,177	914,010	159,255	0.064	89.81	5.74	1.299	0.99985

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2011 to 3/31/2011
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	0.52	49	1,519	1,352	0.036	31.00	1.12	1.000	0.99997
1051	1	0.57	48	1,632	1,051	0.046	34.00	1.55	1.000	0.99997
1082	2	1.88	39	2,202	1,271	0.031	56.46	1.73	1.000	0.99996
1091	4	7.02	4	421	1,608	0.002	105.25	0.26	1.000	0.99999
1092	4	7.18	26	1,837	1,166	0.022	70.65	1.58	1.000	0.99996
1094	1	1.23	95	7,030	1,112	0.085	74.00	6.32	1.000	0.99986
1103	1	1.40	15	1,260	868	0.017	84.00	1.45	1.000	0.99997
1211	2	3.44	2	206	1,459	0.001	103.00	0.14	1.000	0.99999
1213	1	3.83	1	230	539	0.002	230.00	0.43	1.000	0.99999
1225	1	0.75	1	45	933	0.001	45.00	0.05	1.000	0.99999
1226	1	0.83	1	50	345	0.003	50.00	0.14	1.000	0.99999
1227	4	6.05	217	10,677	1,170	0.185	49.20	9.13	1.009	0.99980
1228	1	0.40	1	24	577	0.002	24.00	0.04	1.000	0.99999
1229	1	0.68	90	3,690	1,996	0.045	41.00	1.85	1.000	0.99996
1230	1	0.93	1	56	1,068	0.001	56.00	0.05	1.000	0.99999
1232	4	4.23	1,299	65,771	1,161	1.119	50.63	56.65	1.110	0.99873
1233	1	0.65	57	2,223	638	0.089	39.00	3.48	1.000	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
1241	1	1.82	844	91,996	828	1.019	109.00	111.11	1.000	0.99751
1243	1	0.10	18	108	1,175	0.015	6.00	0.09	1.000	0.99999
1261	1	0.83	1	50	382	0.003	50.00	0.13	1.000	0.99999
1263	2	2.75	258	28,695	1,309	0.197	111.22	21.92	1.028	0.99951
1265	4	8.39	278	42,440	1,308	0.213	152.66	32.45	1.004	0.99927
1271	2	2.05	912	52,848	909	1.003	57.95	58.14	1.357	0.99870
1273	2	2.71	6	576	863	0.007	96.00	0.67	1.000	0.99999
1283	1	3.15	1	189	348	0.003	189.00	0.54	1.000	0.99999
1284	2	26.05	26	20,040	865	0.030	770.77	23.17	1.000	0.99948
1312	1	1.93	1	116	907	0.001	116.00	0.13	1.000	0.99999
1451	1	2.00	509	61,080	513	0.992	120.00	119.06	1.000	0.99733
1452	4	3.48	456	54,694	444	1.027	119.94	123.18	1.032	0.99724
1453	3	4.56	1,773	221,524	1,768	1.003	124.94	125.30	1.001	0.99719
1454	2	1.68	92	1,901	904	0.102	20.66	2.10	1.000	0.99995
1455	1	3.63	1	218	527	0.002	218.00	0.41	1.000	0.99999
1521	1	3.88	1	233	695	0.001	233.00	0.34	1.000	0.99999
1523	1	1.17	4	280	698	0.006	70.00	0.40	1.000	0.99999
1841	2	4.85	2	291	1,319	0.002	145.50	0.22	2.000	0.99999
1843	3	7.95	72	8,195	1,059	0.068	113.82	7.74	1.029	0.99983
2052	1	3.72	1	223	85	0.012	223.00	2.62	1.000	0.99994
2092	1	3.90	13	3,042	896	0.015	234.00	3.40	1.000	0.99992
2211	1	1.20	51	3,672	718	0.071	72.00	5.11	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
2212	1	1.80	20	2,160	1,251	0.016	108.00	1.73	1.000	0.99996
2511	1	2.47	1	148	607	0.002	148.00	0.24	1.000	0.99999
2621	2	3.34	294	18,012	1,116	0.263	61.27	16.14	1.003	0.99964
2921	5	9.85	9	847	398	0.023	94.11	2.13	1.800	0.99995
2951	2	2.94	85	4,492	1,344	0.063	52.85	3.34	1.012	0.99993
2961	4	5.04	982	106,964	964	1.019	108.92	110.96	1.035	0.99751
2962	8	11.34	8	681	250	0.032	85.13	2.72	1.000	0.99994
3041	1	1.02	76	4,636	77	0.987	61.00	60.21	1.000	0.99865
3082	1	0.93	1	56	321	0.003	56.00	0.17	1.000	0.99999
3122	6	18.63	1,691	237,471	837	2.020	140.43	283.72	2.030	0.99364
3181	2	2.80	65	5,082	702	0.093	78.18	7.24	1.016	0.99984
3222	2	3.50	45	5,413	754	0.060	120.29	7.18	1.000	0.99984
3231	1	1.30	30	2,340	404	0.074	78.00	5.79	1.000	0.99987
3232	1	0.88	1	53	414	0.002	53.00	0.13	1.000	0.99999
3301	3	6.05	13	1,563	205	0.063	120.23	7.62	1.000	0.99983
3311	1	0.67	8	320	471	0.017	40.00	0.68	1.000	0.99998
3315	1	3.08	317	58,645	1,556	0.204	185.00	37.69	1.000	0.99916
3421	4	5.25	683	87,908	670	1.019	128.71	131.21	1.194	0.99706
3422	1	2.37	947	134,474	956	0.991	142.00	140.66	1.000	0.99685
3471	1	3.47	158	32,864	159	0.994	208.00	206.69	1.000	0.99537
3472	16	15.00	3,073	598,968	1,528	2.011	194.91	391.99	2.054	0.99122
3553	2	0.67	10	232	1,012	0.010	23.20	0.23	1.111	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
3591	2	2.27	31	2,162	1,098	0.028	69.74	1.97	1.000	0.99996
3592	2	4.78	10	935	1,678	0.006	93.50	0.56	1.000	0.99999
3593	2	2.43	91	6,725	928	0.098	73.90	7.25	1.000	0.99984
3621	2	4.88	199	30,828	1,549	0.128	154.91	19.90	1.000	0.99955
3661	3	4.16	182	19,684	1,086	0.168	108.15	18.13	1.000	0.99959
3662	2	4.45	36	3,871	1,111	0.032	107.53	3.48	1.029	0.99992
3671	4	2.50	1,592	38,460	1,096	1.453	24.16	35.09	1.186	0.99921
3675	3	2.42	65	3,369	415	0.157	51.83	8.12	1.016	0.99982
3693	1	2.27	187	25,432	186	1.005	136.00	136.73	1.000	0.99694
3694	1	2.22	4	532	1,231	0.003	133.00	0.43	1.000	0.99999
3751	7	6.46	76	4,104	1,149	0.066	54.00	3.57	1.000	0.99992
3873	2	0.99	739	10,828	783	0.944	14.65	13.83	1.053	0.99969
3878	2	1.42	18	765	1,124	0.016	42.50	0.68	1.000	0.99998
3891	3	7.70	17	2,534	409	0.042	149.06	6.20	1.133	0.99986
3893	3	3.23	977	20,299	772	1.266	20.78	26.29	1.275	0.99941
3901	1	2.80	1	168	854	0.001	168.00	0.20	1.000	0.99999
3912	2	5.55	7	1,088	1,114	0.006	155.43	0.98	1.167	0.99998
3913	1	2.20	937	123,684	943	0.994	132.00	131.16	1.000	0.99706
3914	1	1.70	48	4,896	680	0.071	102.00	7.20	1.000	0.99984
3951	6	10.85	253	28,201	1,067	0.237	111.47	26.43	1.024	0.99941
3952	2	3.38	30	2,807	373	0.080	93.57	7.53	1.034	0.99983
3981	6	8.26	1,474	120,534	1,420	1.038	81.77	84.88	1.109	0.99810

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3982	2	7.99	2,006	174,257	2,014	0.996	86.87	86.52	1.016	0.99806
3991	3	7.77	7	970	704	0.010	138.57	1.38	1.000	0.99997
403	1	3.60	1	216	259	0.004	216.00	0.83	1.000	0.99998
4031	2	2.79	10	751	686	0.015	75.10	1.09	1.000	0.99998
4091	5	5.85	2,255	226,476	1,132	1.992	100.43	200.07	2.003	0.99552
4092	4	4.03	801	44,478	415	1.930	55.53	107.18	2.003	0.99760
4101	3	2.62	3	157	574	0.005	52.33	0.27	1.000	0.99999
4102	2	10.00	47	14,550	868	0.054	309.57	16.76	1.000	0.99962
4134	1	0.78	9	423	827	0.011	47.00	0.51	1.000	0.99999
4137	1	0.83	1	50	808	0.001	50.00	0.06	1.000	0.99999
4138	2	1.60	712	24,236	706	1.008	34.04	34.33	1.001	0.99923
4142	2	3.18	20	1,873	577	0.035	93.65	3.25	1.000	0.99993
4151	2	1.60	37	866	1,233	0.030	23.41	0.70	1.000	0.99998
4152	1	1.60	38	3,648	779	0.049	96.00	4.68	1.000	0.99990
4153	3	3.58	15	1,283	1,262	0.012	85.53	1.02	1.000	0.99998
4155	2	3.72	21	1,854	2,026	0.010	88.29	0.92	1.000	0.99998
4171	1	2.22	14	1,862	1,124	0.012	133.00	1.66	1.000	0.99996
4172	5	11.85	128	16,578	1,641	0.078	129.52	10.10	1.024	0.99977
4173	1	1.72	1	103	605	0.002	103.00	0.17	1.000	0.99999
4182	6	9.63	933	33,236	987	0.945	35.62	33.67	1.008	0.99925
4211	1	5.07	1	304	1,279	0.001	304.00	0.24	1.000	0.99999
4221	4	10.48	4	629	476	0.008	157.25	1.32	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4222	5	18.14	61	6,801	1,600	0.038	111.49	4.25	1.070	0.99990
4223	1	1.47	1	88	1,006	0.001	88.00	0.09	1.000	0.99999
4301	1	2.33	7	980	598	0.012	140.00	1.64	1.000	0.99996
4302	2	4.20	76	3,508	641	0.119	46.16	5.47	1.013	0.99988
4313	2	3.07	5	571	530	0.009	114.20	1.08	1.000	0.99998
4341	1	1.12	1	67	1,707	0.001	67.00	0.04	1.000	0.99999
4343	3	4.36	93	6,148	1,010	0.092	66.11	6.09	1.011	0.99986
4361	2	1.63	1,821	120,152	1,909	0.954	65.98	62.94	1.001	0.99859
4362	3	2.41	861	54,834	809	1.064	63.69	67.78	1.095	0.99848
4363	2	2.20	660	43,560	654	1.009	66.00	66.61	1.002	0.99851
4371	4	5.43	20	1,558	1,503	0.013	77.90	1.04	1.000	0.99998
4372	3	6.21	25	2,115	417	0.060	84.60	5.07	1.042	0.99989
4383	1	1.23	84	6,216	140	0.600	74.00	44.40	1.000	0.99901
4432	2	3.05	26	1,023	433	0.060	39.35	2.36	1.000	0.99995
4601	1	2.08	1	125	57	0.018	125.00	2.19	1.000	0.99995
5602	2	4.87	19	1,924	669	0.028	101.26	2.88	1.056	0.99994
5603	1	1.78	23	2,461	1,233	0.019	107.00	2.00	1.000	0.99996
6021	1	0.48	17	493	667	0.025	29.00	0.74	1.000	0.99998
6142	1	1.65	38	3,762	296	0.128	99.00	12.71	1.000	0.99972
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	285	492.93	33,660	3,251,705	159,915	0.210	96.60	20.33	1.183	0.99954

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2011 to 4/30/2011
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	1.10	1	66	1,051	0.001	66.00	0.06	1.000	0.99999
1081	1	1.33	2	160	18	0.111	80.00	8.89	1.000	0.99979
1082	4	8.23	22	1,934	1,271	0.017	87.91	1.52	1.048	0.99996
1091	9	13.95	242	25,312	1,608	0.150	104.60	15.74	1.367	0.99964
1092	1	1.67	1	100	1,166	0.001	100.00	0.09	1.000	0.99999
1093	1	0.82	28	1,372	217	0.129	49.00	6.32	1.000	0.99985
1094	1	0.78	95	4,465	1,112	0.085	47.00	4.02	1.000	0.99991
1102	1	0.75	17	765	636	0.027	45.00	1.20	1.000	0.99997
1141	2	4.03	6	838	896	0.007	139.67	0.94	1.000	0.99998
1211	2	4.38	30	2,419	1,459	0.021	80.63	1.66	1.034	0.99996
1212	2	2.37	2	142	318	0.006	71.00	0.45	1.000	0.99999
1213	2	3.77	5	730	539	0.009	146.00	1.35	1.000	0.99997
1226	1	1.13	1	68	345	0.003	68.00	0.20	1.000	0.99999
1227	4	7.42	112	7,399	1,170	0.096	66.06	6.32	1.028	0.99985
1229	1	1.28	83	6,391	1,996	0.042	77.00	3.20	1.000	0.99993
1230	1	1.22	30	2,190	1,068	0.028	73.00	2.05	1.000	0.99995
1242	1	6.17	1	370	670	0.001	370.00	0.55	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1243	3	4.76	21	1,786	1,175	0.018	85.05	1.52	1.000	0.99996
1261	1	1.15	398	27,462	382	1.042	69.00	71.89	1.000	0.99834
1262	1	3.37	1	202	208	0.005	202.00	0.97	1.000	0.99998
1263	2	1.22	16	717	1,309	0.012	44.81	0.55	1.000	0.99999
1265	4	11.27	118	6,764	1,308	0.090	57.32	5.17	1.054	0.99988
1271	4	7.75	1,042	161,202	909	1.146	154.70	177.34	1.143	0.99589
1273	1	0.77	1	46	863	0.001	46.00	0.05	1.000	0.99999
1282	3	2.10	1,005	33,192	911	1.103	33.03	36.43	1.101	0.99916
1285	4	15.00	189	46,392	1,060	0.178	245.46	43.77	1.022	0.99899
1286	1	0.60	1	36	40	0.025	36.00	0.90	1.000	0.99998
1311	2	2.64	7	553	263	0.027	79.00	2.10	1.000	0.99995
1312	8	24.33	15	2,583	907	0.017	172.20	2.85	1.000	0.99993
1451	1	1.93	27	3,132	513	0.053	116.00	6.11	1.000	0.99986
1452	7	9.68	507	33,724	444	1.142	66.52	75.95	1.054	0.99824
1453	2	4.85	9	473	1,768	0.005	52.56	0.27	1.000	0.99999
1454	1	1.00	137	8,220	904	0.152	60.00	9.09	1.000	0.99979
1455	5	6.87	506	37,912	527	0.960	74.92	71.94	1.450	0.99833
1521	6	11.37	120	14,745	692	0.173	122.88	21.31	1.026	0.99951
1523	1	2.35	1	141	698	0.001	141.00	0.20	1.000	0.99999
1843	1	1.22	36	2,628	1,059	0.034	73.00	2.48	1.000	0.99994
2171	1	1.32	44	3,476	547	0.080	79.00	6.35	1.000	0.99985
2211	5	5.82	24	1,633	718	0.033	68.04	2.27	1.043	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
2212	4	8.49	73	9,025	1,251	0.058	123.63	7.21	1.281	0.99983
2511	2	3.05	2	183	607	0.003	91.50	0.30	1.000	0.99999
2621	3	6.26	21	3,094	1,116	0.019	147.33	2.77	1.000	0.99994
2921	1	2.93	5	880	398	0.013	176.00	2.21	1.000	0.99995
2951	2	4.21	454	19,022	1,344	0.338	41.90	14.15	1.023	0.99967
2961	1	1.10	1	66	964	0.001	66.00	0.07	1.000	0.99999
3082	1	1.52	29	2,639	321	0.090	91.00	8.22	1.000	0.99981
3121	1	1.22	1	73	1,068	0.001	73.00	0.07	1.000	0.99999
3122	4	7.45	110	6,096	837	0.131	55.42	7.28	1.019	0.99983
3123	4	3.21	35	3,045	702	0.050	87.00	4.34	1.094	0.99990
3181	2	0.75	2	45	702	0.003	22.50	0.06	1.000	0.99999
3221	1	2.58	1	155	1,217	0.001	155.00	0.13	1.000	0.99999
3222	2	4.44	2	266	754	0.003	133.00	0.35	2.000	0.99999
3231	1	0.67	401	16,040	404	0.993	40.00	39.70	1.000	0.99908
3302	2	2.04	40	2,440	800	0.050	61.00	3.05	1.000	0.99993
3304	2	2.46	164	12,136	962	0.170	74.00	12.62	1.025	0.99971
3311	4	10.23	32	4,933	471	0.068	154.16	10.47	1.000	0.99976
3314	1	1.93	6	696	222	0.027	116.00	3.14	1.000	0.99993
3315	5	10.88	179	22,229	1,556	0.115	124.18	14.29	1.689	0.99967
3421	3	6.08	3	365	670	0.004	121.67	0.54	1.000	0.99999
3472	2	2.32	1,567	122,425	1,528	1.026	78.13	80.12	1.048	0.99815
3552	5	7.71	17	1,147	570	0.030	67.47	2.01	1.133	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
3553	1	2.17	7	910	1,012	0.007	130.00	0.90	1.000	0.99998
3591	1	2.23	1	134	1,098	0.001	134.00	0.12	1.000	0.99999
3594	1	2.28	22	3,014	615	0.036	137.00	4.90	1.000	0.99989
3621	24	27.15	489	40,062	1,549	0.316	81.93	25.86	1.019	0.99940
3661	4	4.09	217	13,945	1,086	0.200	64.26	12.84	1.009	0.99970
3662	2	3.05	64	6,153	1,111	0.058	96.14	5.54	1.032	0.99987
3663	2	1.32	2	79	287	0.007	39.50	0.28	1.000	0.99999
3671	1	1.25	4	300	1,096	0.004	75.00	0.27	1.000	0.99999
3691	1	2.82	89	15,041	1,120	0.079	169.00	13.43	1.000	0.99969
3692	2	3.89	7	763	402	0.017	109.00	1.90	1.000	0.99996
3694	1	3.23	1	194	1,231	0.001	194.00	0.16	1.000	0.99999
3702	4	4.89	4	294	592	0.007	73.50	0.50	1.000	0.99999
3751	9	17.57	81	4,752	1,149	0.070	58.67	4.14	1.025	0.99990
3871	5	4.69	138	8,467	1,361	0.101	61.36	6.22	1.015	0.99986
3873	1	1.33	1	80	783	0.001	80.00	0.10	1.000	0.99999
3878	3	5.73	43	3,816	1,124	0.038	88.74	3.40	1.024	0.99992
3891	9	11.31	412	53,069	409	1.007	128.81	129.75	1.020	0.99700
3893	27	31.88	768	59,859	772	0.995	77.94	77.54	1.048	0.99821
3901	2	6.64	67	10,795	854	0.078	161.12	12.64	1.000	0.99971
3912	2	3.85	2	231	1,114	0.002	115.50	0.21	1.000	0.99999
3913	3	4.62	74	6,352	943	0.078	85.84	6.74	1.000	0.99984
3914	3	3.76	656	80,357	680	0.965	122.50	118.17	1.025	0.99726

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3971	3	8.78	77	19,545	647	0.119	253.83	30.21	1.000	0.99930
3981	2	2.30	16	1,076	1,371	0.012	67.25	0.78	1.067	0.99998
3982	3	7.24	207	37,646	1,976	0.105	181.86	19.05	1.005	0.99956
3991	1	1.33	1	80	704	0.001	80.00	0.11	1.000	0.99999
3992	4	8.95	4	537	161	0.025	134.25	3.34	1.000	0.99992
402	2	2.63	2	158	107	0.019	79.00	1.48	1.000	0.99997
403	1	0.25	1	15	259	0.004	15.00	0.06	1.000	0.99999
4031	2	2.28	15	1,099	686	0.022	73.27	1.60	1.071	0.99996
4092	1	2.68	1	161	415	0.002	161.00	0.39	1.000	0.99999
4101	1	1.83	1	110	574	0.002	110.00	0.19	1.000	0.99999
4102	1	0.93	18	1,008	868	0.021	56.00	1.16	1.000	0.99997
4133	1	0.42	1	25	315	0.003	25.00	0.08	1.000	0.99999
4134	2	2.40	40	2,880	827	0.048	72.00	3.48	2.000	0.99992
4137	1	0.95	27	1,539	808	0.033	57.00	1.90	1.000	0.99996
4138	1	0.60	1	36	706	0.001	36.00	0.05	1.000	0.99999
4142	3	8.04	3	483	577	0.005	161.00	0.84	1.000	0.99998
4151	2	0.84	1,248	24,360	1,233	1.012	19.52	19.76	1.045	0.99954
4152	5	7.41	1,134	37,379	779	1.456	32.96	47.98	1.425	0.99889
4153	4	23.82	1,503	213,275	1,262	1.191	141.90	169.00	1.344	0.99609
4155	2	2.74	2	164	2,024	0.001	82.00	0.08	1.000	0.99999
4171	5	6.29	245	19,599	1,124	0.218	80.00	17.44	1.008	0.99960
4172	4	5.36	254	26,212	1,641	0.155	103.20	15.97	1.000	0.99963

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4181	1	1.42	1	85	468	0.002	85.00	0.18	1.000	0.99999
4182	2	2.00	2	120	987	0.002	60.00	0.12	1.000	0.99999
4211	2	5.00	2	300	1,279	0.002	150.00	0.23	1.000	0.99999
4212	6	9.70	150	26,058	792	0.189	173.72	32.90	1.014	0.99924
4222	5	9.67	13	2,071	1,600	0.008	159.31	1.29	1.000	0.99997
4223	1	0.47	70	1,960	1,006	0.070	28.00	1.95	1.000	0.99995
4224	2	9.15	32	10,629	679	0.047	332.16	15.65	1.000	0.99964
4303	4	8.44	59	6,471	844	0.070	109.68	7.67	1.000	0.99982
4312	1	0.53	1	32	973	0.001	32.00	0.03	1.000	0.99999
4313	1	2.13	542	69,376	530	1.023	128.00	130.90	1.000	0.99697
4322	2	7.10	2	426	88	0.023	213.00	4.84	1.000	0.99989
4324	1	0.63	1	38	1,061	0.001	38.00	0.04	1.000	0.99999
4341	5	7.33	33	1,762	1,707	0.019	53.39	1.03	1.031	0.99998
4342	3	6.19	187	27,638	1,695	0.110	147.80	16.31	1.264	0.99962
4343	2	2.78	20	1,752	1,010	0.020	87.60	1.73	1.000	0.99996
4361	3	5.40	48	4,602	1,909	0.025	95.88	2.41	1.043	0.99994
4362	1	1.30	50	3,900	809	0.062	78.00	4.82	1.000	0.99989
4371	7	12.90	1,409	99,104	1,503	0.937	70.34	65.94	1.935	0.99847
4372	3	8.50	14	2,006	417	0.034	143.29	4.81	1.167	0.99989
4385	2	4.15	2	249	1,102	0.002	124.50	0.23	1.000	0.99999
4431	1	0.98	1	59	1,327	0.001	59.00	0.04	1.000	0.99999
4432	5	8.77	101	10,607	433	0.233	105.02	24.50	1.980	0.99943

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4511	1	1.12	33	2,211	1,114	0.030	67.00	1.98	1.000	0.99995
453	1	1.95	126	14,742	129	0.977	117.00	114.28	1.000	0.99735
454	1	1.97	103	12,154	105	0.981	118.00	115.75	1.000	0.99732
4601	1	1.47	1	88	57	0.018	88.00	1.54	1.000	0.99996
4602	5	16.96	23	4,723	938	0.025	205.35	5.04	1.000	0.99988
5602	3	5.93	666	99,092	669	0.996	148.79	148.12	1.222	0.99657
5603	4	4.37	78	5,570	1,233	0.063	71.41	4.52	1.083	0.99990
6141	2	5.93	178	27,812	624	0.285	156.25	44.57	1.000	0.99897
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	389	675.36	19,946	1,800,431	158,879	0.126	90.27	11.33	1.140	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
5/1/2011 to 5/31/2011
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	3.00	118	5,500	1,352	0.087	46.61	4.07	1.356	0.99990
1051	1	1.00	161	9,660	1,051	0.153	60.00	9.19	1.000	0.99977
1082	4	6.81	33	3,263	1,271	0.026	98.88	2.57	1.065	0.99994
1091	7	87.64	12	11,068	1,608	0.007	922.33	6.88	1.714	0.99983
1092	1	11.18	67	44,957	1,166	0.057	671.00	38.56	1.000	0.99904
1094	8	128.06	133	14,671	1,112	0.120	110.31	13.19	1.000	0.99967
1101	2	4.30	2	258	868	0.002	129.00	0.30	1.000	0.99999
1211	2	3.80	2	228	1,459	0.001	114.00	0.16	1.000	0.99999
1212	10	21.68	10	1,301	318	0.031	130.10	4.09	1.000	0.99990
1213	1	1.33	26	2,080	539	0.048	80.00	3.86	1.000	0.99990
1225	7	89.59	222	62,792	933	0.238	282.85	67.30	1.023	0.99833
1227	3	27.13	835	5,788	1,170	0.714	6.93	4.95	1.002	0.99988
1228	1	5.75	1	345	577	0.002	345.00	0.60	1.000	0.99999
1229	39	698.95	2,276	1,993,036	1,996	1.140	875.67	998.52	1.476	0.97524
1230	16	208.22	2,452	833,816	1,068	2.296	340.06	780.73	1.222	0.98064
1232	4	51.72	98	7,867	1,173	0.084	80.28	6.71	1.032	0.99983
1233	7	64.33	120	31,219	638	0.188	260.16	48.93	1.034	0.99879

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1241	3	7.99	16	1,397	828	0.019	87.31	1.69	1.000	0.99996
1243	1	1.52	1	91	1,175	0.001	91.00	0.08	1.000	0.99999
1261	1	0.62	1	37	382	0.003	37.00	0.10	1.000	0.99999
1262	1	4.20	1	252	208	0.005	252.00	1.21	1.000	0.99997
1263	17	315.47	204	157,214	1,309	0.156	770.66	120.10	1.291	0.99702
1265	6	33.49	166	87,914	1,308	0.127	529.60	67.21	1.114	0.99833
1271	5	27.73	80	5,264	909	0.088	65.80	5.79	1.053	0.99986
1273	8	68.96	88	17,687	863	0.102	200.99	20.49	1.035	0.99949
1282	1	4.50	1	270	911	0.001	270.00	0.30	1.000	0.99999
1284	7	63.92	31	5,011	853	0.036	161.65	5.87	1.824	0.99985
1285	5	15.93	232	86,809	1,060	0.219	374.18	81.90	1.064	0.99797
1311	2	4.52	7	794	263	0.027	113.43	3.02	1.000	0.99993
1451	5	38.06	587	43,706	513	1.144	74.46	85.20	1.162	0.99789
1452	3	2.55	34	3,160	444	0.077	92.94	7.12	1.000	0.99982
1453	9	86.35	198	32,476	1,768	0.112	164.02	18.37	1.015	0.99954
1454	4	7.02	4	421	904	0.004	105.25	0.47	1.333	0.99999
1455	6	9.16	63	3,942	527	0.120	62.57	7.48	1.000	0.99981
1521	7	22.39	7	1,344	688	0.010	192.00	1.95	1.167	0.99995
1523	6	11.25	36	4,064	698	0.052	112.89	5.82	1.029	0.99986
1843	3	6.75	1,182	144,585	1,059	1.116	122.32	136.53	1.115	0.99661
2051	4	10.39	4	624	158	0.025	156.00	3.95	1.333	0.99990
2091	2	4.93	15	3,754	863	0.017	250.27	4.35	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
2092	3	5.89	5	532	896	0.006	106.40	0.59	1.000	0.99999
2171	1	3.47	1	208	547	0.002	208.00	0.38	1.000	0.99999
2172	1	0.93	1	56	216	0.005	56.00	0.26	1.000	0.99999
2211	6	9.69	71	5,221	718	0.099	73.54	7.27	1.029	0.99982
2212	1	1.52	1	91	1,251	0.001	91.00	0.07	1.000	0.99999
2511	3	6.62	3	397	607	0.005	132.33	0.65	1.000	0.99998
2621	2	4.60	22	1,776	1,116	0.020	80.73	1.59	1.048	0.99996
2921	2	3.37	2	202	398	0.005	101.00	0.51	1.000	0.99999
2951	7	15.80	20	2,673	1,344	0.015	133.65	1.99	1.053	0.99995
2961	3	8.02	20	2,555	964	0.021	127.75	2.65	1.000	0.99993
2962	1	4.12	1	247	250	0.004	247.00	0.99	1.000	0.99998
3041	1	1.30	1	78	77	0.013	78.00	1.01	1.000	0.99997
3082	1	0.25	1	15	321	0.003	15.00	0.05	1.000	0.99999
3122	3	5.92	42	3,014	837	0.050	71.76	3.60	1.000	0.99991
3123	1	1.53	5	460	702	0.007	92.00	0.66	1.000	0.99998
3221	3	5.15	29	2,064	1,217	0.024	71.17	1.70	2.071	0.99996
3222	6	24.21	13	3,287	754	0.017	252.85	4.36	1.083	0.99989
3231	1	0.50	401	12,030	404	0.993	30.00	29.78	1.000	0.99926
3232	1	1.67	1	100	414	0.002	100.00	0.24	1.000	0.99999
3302	1	1.18	20	1,420	800	0.025	71.00	1.78	1.000	0.99996
3304	1	2.17	56	7,280	962	0.058	130.00	7.57	1.000	0.99981
3421	2	2.37	19	1,375	670	0.028	72.37	2.05	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
3471	3	19.60	172	17,830	159	1.082	103.66	112.14	1.082	0.99722
3472	4	4.23	119	7,786	1,528	0.078	65.43	5.10	1.026	0.99987
3551	2	2.45	30	2,611	1,002	0.030	87.03	2.61	1.000	0.99994
3552	4	12.27	35	4,181	570	0.061	119.46	7.34	1.029	0.99982
3592	1	0.87	59	3,068	1,678	0.035	52.00	1.83	1.000	0.99995
3593	1	3.08	39	7,215	928	0.042	185.00	7.77	1.000	0.99981
3594	1	2.12	9	1,143	615	0.015	127.00	1.86	1.000	0.99995
3621	6	19.68	17	7,968	1,549	0.011	468.71	5.14	1.000	0.99987
3661	9	11.36	387	28,439	1,086	0.356	73.49	26.19	1.005	0.99935
3662	5	7.99	137	8,241	1,111	0.123	60.15	7.42	1.054	0.99982
3671	1	1.12	52	3,484	1,096	0.047	67.00	3.18	1.000	0.99992
3675	3	2.90	127	7,242	415	0.306	57.02	17.45	1.000	0.99957
3691	3	2.15	15	933	1,120	0.013	62.20	0.83	1.000	0.99998
3694	1	3.78	32	7,264	1,231	0.026	227.00	5.90	1.000	0.99985
3751	3	7.96	89	14,441	1,149	0.077	162.26	12.57	1.011	0.99969
3871	2	1.45	99	4,686	1,361	0.073	47.33	3.44	1.000	0.99991
3872	4	5.57	51	3,108	1,145	0.045	60.94	2.71	1.020	0.99993
3878	4	11.36	349	23,107	1,123	0.311	66.21	20.58	1.009	0.99949
3891	4	6.89	6	517	409	0.015	86.17	1.26	1.000	0.99997
3893	17	112.34	40	8,736	772	0.052	218.40	11.32	1.026	0.99972
3901	1	2.08	18	2,250	854	0.021	125.00	2.63	1.000	0.99993
3902	1	1.10	1	66	97	0.010	66.00	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
3903	1	1.35	1	81	286	0.003	81.00	0.28	1.000	0.99999
3912	8	44.64	1,151	1,841,927	1,114	1.033	1600.28	1653.44	1.088	0.95899
3913	3	73.62	152	9,781	943	0.161	64.35	10.37	1.013	0.99974
3914	5	193.83	79	102,227	680	0.116	1294.01	150.33	1.386	0.99627
3951	2	2.26	94	7,148	1,067	0.088	76.04	6.70	1.000	0.99983
3971	1	2.38	1	143	647	0.002	143.00	0.22	1.000	0.99999
3981	4	6.90	657	50,736	1,371	0.479	77.22	37.01	1.031	0.99908
3982	6	16.12	325	25,115	1,976	0.164	77.28	12.71	1.022	0.99968
3991	4	9.48	4	569	704	0.006	142.25	0.81	1.000	0.99998
402	1	5.75	1	345	107	0.009	345.00	3.22	1.000	0.99992
403	3	28.07	3	1,684	259	0.012	561.33	6.50	3.000	0.99984
4031	5	8.07	378	22,723	686	0.551	60.11	33.12	1.003	0.99918
404	2	13.17	2	790	167	0.012	395.00	4.73	1.000	0.99988
4091	5	7.74	21	1,728	1,132	0.019	82.29	1.53	1.050	0.99996
4092	1	1.42	1	85	415	0.002	85.00	0.20	1.000	0.99999
4101	3	9.15	3	549	574	0.005	183.00	0.96	1.000	0.99998
4102	3	4.30	97	8,774	867	0.112	90.45	10.12	1.000	0.99975
4132	1	0.90	12	648	564	0.021	54.00	1.15	1.000	0.99997
4138	7	12.93	43	3,886	706	0.061	90.37	5.50	1.000	0.99986
4142	1	1.60	5	480	577	0.009	96.00	0.83	1.000	0.99998
4153	1	0.85	13	663	1,261	0.010	51.00	0.53	1.000	0.99999
4171	7	15.14	326	31,842	1,124	0.290	97.67	28.33	1.000	0.99930

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	6	7.67	32	1,734	1,641	0.020	54.19	1.06	1.067	0.99997
4173	1	11.08	3	1,995	605	0.005	665.00	3.30	1.000	0.99992
4181	1	1.07	40	2,560	468	0.085	64.00	5.47	1.000	0.99986
4182	1	1.55	5	465	987	0.005	93.00	0.47	1.000	0.99999
4212	2	4.07	38	3,268	792	0.048	86.00	4.13	1.027	0.99990
4221	2	2.90	3	323	476	0.006	107.67	0.68	1.000	0.99998
4222	15	142.75	1,754	1,833,280	1,600	1.096	1045.20	1145.80	1.917	0.97158
4223	16	320.02	661	1,094,479	1,006	0.657	1655.79	1087.95	1.080	0.97302
4224	3	43.34	9	7,800	679	0.013	866.67	11.49	3.000	0.99972
4301	2	2.53	9	866	598	0.015	96.22	1.45	1.125	0.99996
4302	2	6.33	2	380	641	0.003	190.00	0.59	2.000	0.99999
4303	4	80.03	362	1,352,624	844	0.429	3736.53	1602.64	1.128	0.96025
4311	1	1.23	11	814	900	0.012	74.00	0.90	1.000	0.99998
4313	1	1.05	4	252	530	0.008	63.00	0.48	1.000	0.99999
4324	1	1.48	5	445	1,061	0.005	89.00	0.42	1.000	0.99999
4331	1	1.12	1	67	296	0.003	67.00	0.23	1.000	0.99999
4333	3	9.50	5	989	535	0.009	197.80	1.85	1.250	0.99995
4341	1	0.70	63	2,646	1,707	0.037	42.00	1.55	1.000	0.99996
4342	5	4.67	98	4,291	1,695	0.058	43.79	2.53	1.032	0.99994
4343	2	2.93	2	176	1,010	0.002	88.00	0.17	1.000	0.99999
4361	2	1.36	2	82	1,909	0.001	41.00	0.04	1.000	0.99999
4362	3	22.37	43	4,217	809	0.053	98.07	5.21	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
4363	2	2.85	25	2,185	654	0.038	87.40	3.34	1.042	0.99992
4371	5	11.67	41	4,441	1,503	0.027	108.32	2.95	1.000	0.99993
4372	1	3.48	1	209	417	0.002	209.00	0.50	1.000	0.99999
4381	1	4.87	1	292	280	0.004	292.00	1.04	1.000	0.99997
4385	3	8.32	3	499	1,102	0.003	166.33	0.45	1.000	0.99999
4431	8	19.28	32	3,389	1,327	0.024	105.91	2.55	1.000	0.99994
4432	6	11.56	97	8,371	433	0.224	86.30	19.33	1.032	0.99952
4511	3	7.00	84	14,958	1,114	0.075	178.07	13.43	1.000	0.99967
453	1	1.08	1	65	129	0.008	65.00	0.50	1.000	0.99999
4601	2	2.48	2	149	57	0.035	74.50	2.61	1.000	0.99994
4602	5	15.07	74	5,458	938	0.079	73.76	5.82	1.042	0.99986
5601	1	6.83	1	410	85	0.012	410.00	4.82	1.000	0.99988
5602	1	1.20	1	72	669	0.001	72.00	0.11	1.000	0.99999
5603	11	58.24	139	23,089	1,233	0.113	166.11	18.73	1.103	0.99954
6021	1	1.48	1	89	667	0.001	89.00	0.13	1.000	0.99999
6142	2	4.02	14	1,369	296	0.047	97.79	4.63	1.000	0.99989
6143	1	0.98	1	59	370	0.003	59.00	0.16	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	557	3,804.65	19,183	10,328,843	159,690	0.120	538.44	64.68	1.164	0.99840

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
6/1/2011 to 6/30/2011
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	5.66	205	15,382	1,352	0.152	75.03	11.38	1.005	0.99974
1051	2	2.44	162	9,426	1,051	0.154	58.19	8.97	1.000	0.99979
1082	8	127.65	83	16,094	1,271	0.065	193.90	12.66	1.051	0.99971
1091	8	51.76	317	104,823	1,608	0.197	330.67	65.19	1.064	0.99849
1092	6	4.13	57	1,997	1,166	0.049	35.04	1.71	1.018	0.99996
1094	8	19.92	128	13,458	1,112	0.115	105.14	12.10	1.032	0.99972
1101	3	3.86	191	15,930	868	0.220	83.40	18.35	1.000	0.99958
1102	1	0.58	25	875	636	0.039	35.00	1.38	1.000	0.99997
1141	4	4.43	94	6,314	896	0.105	67.17	7.05	1.288	0.99984
1142	1	1.67	1	100	213	0.005	100.00	0.47	1.000	0.99999
1211	5	11.62	560	71,522	1,459	0.384	127.72	49.02	1.029	0.99887
1212	2	2.09	2	125	318	0.006	62.50	0.39	1.000	0.99999
1213	3	11.45	5	1,431	539	0.009	286.20	2.65	1.000	0.99994
1225	12	286.79	12	17,208	933	0.013	1434.00	18.44	1.200	0.99957
1227	7	9.81	25	2,571	1,170	0.021	102.84	2.20	1.923	0.99995
1228	4	60.02	58	55,387	577	0.101	954.95	95.99	1.000	0.99778
1229	12	94.49	25	8,907	1,996	0.013	356.28	4.46	1.087	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
1230	9	81.42	2,210	145,451	1,068	2.069	65.81	136.19	1.102	0.99685
1232	3	10.86	1,196	41,270	1,173	1.020	34.51	35.18	1.011	0.99919
1233	4	4.30	642	21,316	638	1.006	33.20	33.41	1.014	0.99923
1241	1	2.82	1	169	828	0.001	169.00	0.20	1.000	0.99999
1242	5	4.65	40	1,984	670	0.060	49.60	2.96	1.000	0.99993
1243	1	1.55	78	7,254	1,175	0.066	93.00	6.17	1.000	0.99986
1261	1	2.25	1	135	382	0.003	135.00	0.35	1.000	0.99999
1262	1	0.88	1	53	208	0.005	53.00	0.25	1.000	0.99999
1263	15	215.71	502	139,616	1,309	0.383	278.12	106.66	1.039	0.99753
1265	12	76.86	292	19,855	1,880	0.155	68.00	10.56	1.010	0.99976
1267	1	16.52	1	991	68	0.015	991.00	14.57	1.000	0.99966
1271	2	3.42	68	7,578	909	0.075	111.44	8.34	1.030	0.99981
1273	8	17.54	46	4,065	863	0.053	88.37	4.71	1.000	0.99989
1282	3	25.04	51	5,775	911	0.056	113.24	6.34	1.041	0.99985
1284	1	25.08	1	1,505	853	0.001	1505.00	1.76	1.000	0.99996
1285	4	4.87	245	16,381	1,060	0.231	66.86	15.45	1.056	0.99964
1311	1	1.52	1	91	263	0.004	91.00	0.35	1.000	0.99999
1312	5	6.70	97	7,771	907	0.107	80.11	8.57	1.043	0.99980
1451	14	71.36	270	52,354	513	0.526	193.90	102.05	1.015	0.99764
1452	2	2.71	2	163	444	0.005	81.50	0.37	1.000	0.99999
1453	7	21.26	504	44,170	1,768	0.285	87.64	24.98	1.002	0.99942
1454	1	2.18	63	8,253	904	0.070	131.00	9.13	1.000	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
1455	15	200.61	200	34,887	527	0.380	174.44	66.20	1.000	0.99847
1521	7	12.41	720	116,766	688	1.047	162.18	169.72	1.093	0.99607
1522	1	4.58	1	275	96	0.010	275.00	2.86	1.000	0.99993
1523	3	4.48	25	2,568	698	0.036	102.72	3.68	1.087	0.99991
1841	1	1.63	278	27,244	1,319	0.211	98.00	20.66	1.000	0.99952
1842	1	3.40	1	204	263	0.004	204.00	0.78	1.000	0.99998
1843	2	2.97	66	5,762	1,059	0.062	87.30	5.44	1.000	0.99987
2052	2	4.99	5	851	85	0.059	170.20	10.01	1.000	0.99977
2091	2	1.67	2	100	863	0.002	50.00	0.12	1.000	0.99999
2092	1	1.95	1	117	896	0.001	117.00	0.13	1.000	0.99999
2171	1	0.83	548	27,400	547	1.002	50.00	50.09	1.000	0.99884
2172	1	0.53	1	32	216	0.005	32.00	0.15	1.000	0.99999
2211	6	11.04	135	15,501	718	0.188	114.82	21.59	1.015	0.99950
2212	9	12.59	104	11,376	1,251	0.083	109.38	9.09	1.040	0.99979
2511	3	6.77	32	7,270	607	0.053	227.19	11.98	1.032	0.99972
2621	9	21.45	1,568	225,310	1,116	1.405	143.69	201.89	1.410	0.99533
2622	1	1.20	1	72	112	0.009	72.00	0.64	1.000	0.99999
2921	6	13.05	29	8,996	398	0.073	310.21	22.60	1.160	0.99948
2951	1	0.52	26	806	1,344	0.019	31.00	0.60	1.000	0.99999
2961	3	8.66	26	8,777	964	0.027	337.58	9.10	1.000	0.99979
3082	2	3.32	32	2,313	321	0.100	72.28	7.21	1.032	0.99983
3121	1	4.03	5	1,210	1,068	0.005	242.00	1.13	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3122	2	2.57	27	2,499	837	0.032	92.56	2.99	1.000	0.99993
3181	2	5.15	2	309	702	0.003	154.50	0.44	1.000	0.99999
3221	4	6.08	85	9,032	1,217	0.070	106.26	7.42	1.037	0.99983
3222	4	9.22	4	553	754	0.005	138.25	0.73	1.000	0.99998
3231	3	7.83	403	74,470	404	0.998	184.79	184.33	1.005	0.99573
3232	1	1.57	1	94	414	0.002	94.00	0.23	1.000	0.99999
3302	2	2.39	15	1,287	800	0.019	85.80	1.61	1.071	0.99996
3304	5	4.78	187	7,717	962	0.194	41.27	8.02	1.005	0.99981
3311	1	0.58	42	1,470	471	0.089	35.00	3.12	1.000	0.99993
3421	2	4.77	22	4,446	670	0.033	202.09	6.64	1.000	0.99985
3422	3	5.32	3	319	956	0.003	106.33	0.33	1.000	0.99999
3472	5	12.69	231	20,541	1,528	0.151	88.92	13.44	1.004	0.99969
3551	2	2.84	1,026	84,138	1,002	1.024	82.01	83.97	1.001	0.99806
3552	1	1.37	563	46,166	570	0.988	82.00	80.99	1.000	0.99813
3553	3	4.85	1,082	89,530	1,013	1.068	82.74	88.38	1.070	0.99795
3591	3	2.98	58	2,384	1,098	0.053	41.10	2.17	1.000	0.99995
3592	7	9.68	83	6,160	1,678	0.049	74.22	3.67	1.000	0.99992
3593	2	2.46	67	4,373	928	0.072	65.27	4.71	1.015	0.99989
3621	4	6.06	14	1,633	1,549	0.009	116.64	1.05	1.000	0.99998
3661	6	9.99	1,247	84,129	1,086	1.148	67.47	77.47	1.143	0.99821
3662	8	17.60	206	26,050	1,111	0.185	126.46	23.45	1.040	0.99946
3663	3	8.11	54	19,509	287	0.188	361.28	67.98	1.038	0.99843

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3671	4	6.21	17	711	1,096	0.016	41.82	0.65	1.000	0.99998
3675	1	2.23	1	134	415	0.002	134.00	0.32	1.000	0.99999
3691	3	3.22	23	1,413	1,120	0.021	61.43	1.26	1.000	0.99997
3692	4	18.18	81	35,947	402	0.201	443.79	89.42	1.000	0.99793
3693	2	2.17	2	130	186	0.011	65.00	0.70	1.000	0.99998
3694	1	1.03	1	62	1,231	0.001	62.00	0.05	1.000	0.99999
3701	2	10.25	11	1,524	468	0.024	138.55	3.26	1.000	0.99992
3702	1	1.37	22	1,804	592	0.037	82.00	3.05	1.000	0.99993
3751	10	11.02	92	5,594	1,149	0.080	60.80	4.87	1.045	0.99989
3872	2	3.16	86	13,450	1,145	0.075	156.40	11.75	1.000	0.99973
3878	1	0.85	41	2,091	1,123	0.037	51.00	1.86	1.000	0.99996
3891	5	22.07	420	308,896	409	1.027	735.47	755.25	1.040	0.98252
3892	3	6.45	16	2,012	457	0.035	125.75	4.40	1.000	0.99990
3893	7	12.66	312	21,828	772	0.404	69.96	28.27	1.043	0.99935
3901	4	9.84	127	19,588	854	0.149	154.24	22.94	1.008	0.99947
3902	1	1.30	7	546	97	0.072	78.00	5.63	1.000	0.99987
3903	4	7.37	43	5,227	286	0.150	121.56	18.28	1.049	0.99958
3912	10	11.55	154	10,758	1,114	0.138	69.86	9.66	1.077	0.99978
3913	3	8.88	50	1,332	943	0.053	26.64	1.41	1.000	0.99997
3914	5	4.13	507	33,444	680	0.746	65.96	49.18	1.112	0.99886
3951	11	21.94	159	7,643	1,067	0.149	48.07	7.16	1.032	0.99983
3971	3	10.90	13	3,694	647	0.020	284.15	5.71	1.083	0.99987

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3981	3	10.15	118	34,419	1,371	0.086	291.69	25.11	1.017	0.99942
3982	2	1.35	39	1,672	1,976	0.020	42.87	0.85	1.026	0.99998
3991	8	13.94	44	3,609	704	0.063	82.02	5.13	1.000	0.99988
3992	1	9.40	6	3,384	161	0.037	564.00	21.02	1.000	0.99951
4031	8	13.81	279	23,718	686	0.407	85.01	34.57	1.098	0.99920
407	2	4.25	2	255	98	0.020	127.50	2.60	2.000	0.99994
4091	4	2.80	82	3,462	1,132	0.072	42.22	3.06	1.012	0.99993
4092	2	2.81	2	169	415	0.005	84.50	0.41	1.000	0.99999
4101	1	1.58	566	53,770	574	0.986	95.00	93.68	1.000	0.99783
4102	3	1.59	43	575	867	0.050	13.37	0.66	1.000	0.99998
4132	1	0.53	1	32	564	0.002	32.00	0.06	1.000	0.99999
4133	1	1.08	3	195	315	0.010	65.00	0.62	1.000	0.99999
4134	1	2.87	15	2,580	827	0.018	172.00	3.12	1.000	0.99993
4137	1	0.55	12	396	808	0.015	33.00	0.49	1.000	0.99999
4138	9	15.20	109	14,108	706	0.154	129.43	19.98	1.135	0.99954
4141	2	4.15	2	249	80	0.025	124.50	3.11	1.000	0.99993
4142	7	28.78	65	15,956	577	0.113	245.48	27.65	1.121	0.99936
4151	3	2.50	3	150	1,233	0.002	50.00	0.12	1.000	0.99999
4155	2	5.38	2	323	2,023	0.001	161.50	0.16	1.000	0.99999
4171	6	12.73	1,252	83,057	1,124	1.114	66.34	73.89	1.126	0.99829
4172	8	6.98	1,737	102,989	1,641	1.059	59.29	62.76	1.062	0.99855
4173	1	0.80	1	48	605	0.002	48.00	0.08	1.000	0.99999

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4181	3	6.50	5	566	468	0.011	113.20	1.21	1.000	0.99997
4182	1	0.98	5	295	987	0.005	59.00	0.30	1.000	0.99999
4211	4	6.88	104	5,213	1,279	0.081	50.13	4.08	1.030	0.99991
4212	7	10.38	896	131,813	792	1.131	147.11	166.43	1.141	0.99615
4222	6	25.84	81	78,350	1,600	0.051	967.28	48.97	1.025	0.99887
4223	6	105.78	20	16,469	1,006	0.020	823.45	16.37	1.053	0.99962
4301	18	65.43	48	8,291	598	0.080	172.73	13.86	2.000	0.99968
4303	8	117.73	26	26,172	844	0.031	1006.62	31.01	1.083	0.99928
4312	1	0.97	1	58	973	0.001	58.00	0.06	1.000	0.99999
4313	1	1.92	4	460	530	0.008	115.00	0.87	1.000	0.99998
4324	9	7.94	133	5,809	1,061	0.125	43.68	5.48	1.023	0.99987
4341	6	5.30	20	953	1,707	0.012	47.65	0.56	1.111	0.99999
4342	1	0.90	29	1,566	1,695	0.017	54.00	0.92	1.000	0.99998
4361	2	1.65	18	1,123	1,909	0.009	62.39	0.59	1.000	0.99999
4362	5	4.35	89	2,921	809	0.110	32.82	3.61	1.023	0.99992
4363	6	6.55	398	18,929	654	0.609	47.56	28.94	1.013	0.99933
4371	7	10.26	94	8,442	1,503	0.063	89.81	5.62	1.022	0.99987
4372	9	13.76	139	15,393	417	0.333	110.74	36.91	1.094	0.99915
4381	1	2.48	1	149	280	0.004	149.00	0.53	1.000	0.99999
4385	2	3.28	2	197	1,102	0.002	98.50	0.18	2.000	0.99999
4386	2	2.38	13	858	1,646	0.008	66.00	0.52	1.083	0.99999
4431	31	177.32	401	166,161	1,327	0.302	414.37	125.22	1.026	0.99710

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4432	1	7.02	427	179,767	433	0.986	421.00	415.17	1.000	0.99039
4511	3	3.61	100	6,880	1,114	0.090	68.80	6.18	1.000	0.99986
4513	1	4.03	6	1,452	590	0.010	242.00	2.46	1.000	0.99994
4601	1	1.47	1	88	57	0.018	88.00	1.54	1.000	0.99996
4602	3	6.54	72	4,601	938	0.077	63.90	4.91	1.000	0.99989
5601	2	2.29	1,241	101,546	648	1.915	81.83	156.71	1.006	0.99637
5603	5	11.40	26	2,698	1,233	0.021	103.77	2.19	1.000	0.99995
6021	1	1.20	1	72	667	0.001	72.00	0.11	1.000	0.99999
6022	1	0.92	1	55	374	0.003	55.00	0.15	1.000	0.99999
6141	4	12.23	447	105,656	623	0.717	236.37	169.59	1.009	0.99607
6142	1	1.10	1	66	296	0.003	66.00	0.22	1.000	0.99999
6143	1	3.37	39	7,878	370	0.105	202.00	21.29	1.000	0.99951
6144	2	4.70	2	282	313	0.006	141.00	0.90	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	667	2,707.91	28,949	3,576,569	160,825	0.180	123.55	22.24	1.005	0.99949

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
7/1/2011 to 7/31/2011
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	2.97	187	7,556	1,352	0.138	40.41	5.59	1.075	0.99987
1082	9	24.55	84	17,405	1,271	0.066	207.20	13.69	1.050	0.99969
1091	10	18.59	1,943	343,182	1,608	1.208	176.62	213.42	1.115	0.99522
1092	8	12.41	1,215	113,221	1,166	1.042	93.19	97.10	1.051	0.99782
1093	1	1.15	213	14,697	217	0.982	69.00	67.73	1.000	0.99848
1094	9	15.16	18	1,216	1,112	0.016	67.56	1.09	1.000	0.99998
1101	2	6.60	5	999	868	0.006	199.80	1.15	1.000	0.99997
1102	3	2.42	46	2,148	636	0.072	46.70	3.38	1.000	0.99992
1141	5	7.04	907	95,981	896	1.012	105.82	107.12	1.027	0.99760
1142	2	4.73	207	21,604	213	0.972	104.37	101.43	1.005	0.99773
1211	3	3.05	14	513	1,459	0.010	36.64	0.35	1.000	0.99999
1213	3	5.85	167	17,079	539	0.310	102.27	31.69	1.012	0.99929
1225	6	3.96	13	349	933	0.014	26.85	0.37	1.083	0.99999
1228	1	0.47	1	28	577	0.002	28.00	0.05	1.000	0.99999
1230	9	10.83	98	6,223	1,068	0.092	63.50	5.83	1.000	0.99987
1232	7	6.64	723	53,791	1,173	0.616	74.40	45.86	1.033	0.99897
1233	4	4.73	146	7,110	638	0.229	48.70	11.14	1.043	0.99975

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1242	1	0.40	671	16,104	670	1.001	24.00	24.04	1.000	0.99946
1243	10	27.88	221	35,099	1,175	0.188	158.82	29.87	1.249	0.99933
1261	2	2.27	2	136	382	0.005	68.00	0.36	2.000	0.99999
1262	2	1.61	2	97	208	0.010	48.50	0.47	1.000	0.99999
1263	4	5.25	47	1,562	1,309	0.036	33.23	1.19	1.068	0.99997
1265	3	5.65	4,958	752,334	2,453	2.021	151.74	306.70	2.021	0.99313
1271	2	3.50	2	210	909	0.002	105.00	0.23	1.000	0.99999
1273	1	2.52	8	1,208	863	0.009	151.00	1.40	1.000	0.99997
1282	8	17.62	1,036	138,244	911	1.137	133.44	151.75	1.135	0.99660
1285	1	1.77	23	2,438	1,060	0.022	106.00	2.30	1.000	0.99995
1312	1	1.15	1	69	907	0.001	69.00	0.08	1.000	0.99999
1451	4	6.22	4	373	513	0.008	93.25	0.73	1.000	0.99998
1452	3	3.30	3	198	444	0.007	66.00	0.45	1.000	0.99999
1453	3	3.01	44	2,354	1,768	0.025	53.50	1.33	1.000	0.99997
1454	4	6.00	371	48,021	904	0.410	129.44	53.12	1.000	0.99881
1455	10	15.83	368	26,916	527	0.698	73.14	51.07	1.008	0.99886
1521	2	3.10	37	2,856	688	0.054	77.19	4.15	1.000	0.99991
1522	2	13.23	2	794	96	0.021	397.00	8.27	1.000	0.99981
1523	5	18.67	42	9,471	698	0.060	225.50	13.57	1.050	0.99970
1841	1	0.97	1	58	1,319	0.001	58.00	0.04	1.000	0.99999
1842	1	1.73	1	104	263	0.004	104.00	0.40	1.000	0.99999
1843	1	1.23	36	2,664	1,059	0.034	74.00	2.52	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
2051	6	9.55	13	1,224	158	0.082	94.15	7.75	1.300	0.99983
2091	4	8.49	180	20,537	863	0.209	114.09	23.80	1.034	0.99947
2092	1	0.73	27	1,188	896	0.030	44.00	1.33	1.000	0.99997
2171	2	2.55	22	1,253	547	0.040	56.95	2.29	1.000	0.99995
2211	3	3.47	12	748	718	0.017	62.33	1.04	1.000	0.99998
2212	5	6.69	88	6,262	1,251	0.070	71.16	5.01	1.073	0.99989
2511	4	8.36	11	2,133	607	0.018	193.91	3.51	1.100	0.99992
2621	2	2.07	28	1,616	1,116	0.025	57.71	1.45	1.000	0.99997
2921	2	6.20	2	372	398	0.005	186.00	0.93	1.000	0.99998
2951	5	6.10	11	672	1,344	0.008	61.09	0.50	1.222	0.99999
2961	7	22.87	324	64,442	964	0.336	198.90	66.85	1.045	0.99850
3121	2	4.83	6	1,150	1,068	0.006	191.67	1.08	1.000	0.99998
3122	8	26.59	910	285,222	837	1.087	313.43	340.77	1.092	0.99237
3221	3	8.33	5	714	1,217	0.004	142.80	0.59	1.000	0.99999
3222	4	7.16	25	2,803	754	0.033	112.12	3.72	1.000	0.99992
3231	1	1.67	1	100	404	0.002	100.00	0.25	1.000	0.99999
3232	1	1.25	1	75	414	0.002	75.00	0.18	1.000	0.99999
3304	5	7.96	122	9,016	962	0.127	73.90	9.37	1.070	0.99979
3313	4	5.52	190	13,537	922	0.206	71.25	14.68	2.021	0.99967
3314	1	2.22	1	133	222	0.005	133.00	0.60	1.000	0.99999
3421	1	0.60	27	972	670	0.040	36.00	1.45	1.000	0.99997
3422	1	0.83	1	50	956	0.001	50.00	0.05	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3471	3	4.87	22	2,303	159	0.138	104.68	14.48	1.000	0.99968
3472	4	10.97	222	38,730	1,528	0.145	174.46	25.35	1.042	0.99943
3552	2	4.35	12	1,901	570	0.021	158.42	3.34	1.000	0.99993
3591	5	6.52	25	1,802	1,098	0.023	72.08	1.64	1.042	0.99996
3592	4	9.81	11	3,032	1,678	0.007	275.64	1.81	1.375	0.99996
3593	2	8.21	48	11,832	928	0.052	246.50	12.75	1.000	0.99971
3621	4	6.53	1,599	159,961	1,549	1.032	100.04	103.27	1.042	0.99769
3661	3	7.17	120	17,517	1,086	0.110	145.98	16.13	1.008	0.99964
3662	4	11.94	17	1,483	1,111	0.015	87.24	1.33	1.000	0.99997
3663	1	3.98	1	239	287	0.003	239.00	0.83	1.000	0.99998
3671	1	0.52	14	434	1,096	0.013	31.00	0.40	1.000	0.99999
3692	3	7.83	433	83,244	402	1.077	192.25	207.07	1.085	0.99536
3701	3	7.42	519	37,285	468	1.109	71.84	79.67	1.059	0.99822
3702	9	26.91	772	50,818	592	1.304	65.83	85.84	1.223	0.99808
3751	5	4.69	102	6,012	1,149	0.089	58.94	5.23	1.030	0.99988
3871	1	3.30	8	1,584	1,361	0.006	198.00	1.16	1.000	0.99997
3872	3	1.58	60	2,147	1,145	0.052	35.78	1.88	1.000	0.99996
3873	1	1.12	12	804	783	0.015	67.00	1.03	1.000	0.99998
3878	3	5.88	77	4,857	1,123	0.069	63.08	4.33	1.000	0.99990
3891	1	1.68	1	101	409	0.002	101.00	0.25	1.000	0.99999
3892	1	2.23	1	134	457	0.002	134.00	0.29	1.000	0.99999
3901	4	16.93	49	12,287	854	0.057	250.76	14.39	1.000	0.99968

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3902	2	5.24	2	314	97	0.021	157.00	3.24	1.000	0.99993
3912	1	0.93	2	112	1,114	0.002	56.00	0.10	1.000	0.99999
3913	5	12.76	241	20,718	943	0.256	85.97	21.97	1.017	0.99951
3914	1	2.85	57	9,747	680	0.084	171.00	14.33	1.000	0.99968
3951	3	16.05	67	13,535	1,067	0.063	202.01	12.69	1.015	0.99972
3971	4	4.83	658	39,940	647	1.017	60.70	61.73	1.020	0.99862
3982	1	1.87	2	224	1,976	0.001	112.00	0.11	1.000	0.99999
3991	8	10.82	710	64,467	704	1.009	90.80	91.57	1.029	0.99795
3992	3	6.15	25	4,122	161	0.155	164.88	25.60	1.136	0.99943
4091	2	1.25	45	1,236	1,132	0.040	27.47	1.09	1.000	0.99998
4092	3	4.57	23	2,374	415	0.055	103.22	5.72	1.095	0.99987
4101	2	6.05	645	174,290	574	1.124	270.22	303.64	1.140	0.99320
4102	10	12.30	1,054	75,964	867	1.216	72.07	87.62	1.398	0.99804
4131	1	2.02	1	121	195	0.005	121.00	0.62	1.000	0.99999
4133	1	1.57	1	94	315	0.003	94.00	0.30	1.000	0.99999
4134	4	8.68	78	10,621	827	0.094	136.17	12.84	1.013	0.99971
4138	1	2.55	713	109,089	706	1.010	153.00	154.52	1.000	0.99654
4141	1	1.38	1	83	80	0.013	83.00	1.04	1.000	0.99998
4142	3	4.35	91	6,768	577	0.158	74.37	11.73	1.046	0.99974
4151	1	2.75	5	825	1,233	0.004	165.00	0.67	1.000	0.99999
4155	3	8.24	11	1,846	2,023	0.005	167.82	0.91	1.000	0.99998
4171	5	12.08	1,250	326,348	1,124	1.112	261.08	290.35	1.124	0.99350

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4172	6	15.63	1,708	460,136	1,641	1.041	269.40	280.40	1.044	0.99372
4173	2	5.25	603	168,595	605	0.997	279.59	278.67	1.002	0.99376
4182	1	1.68	9	909	987	0.009	101.00	0.92	1.000	0.99998
4211	4	4.56	1,359	84,220	1,279	1.063	61.97	65.85	1.079	0.99852
4212	2	4.28	19	2,654	792	0.024	139.68	3.35	1.056	0.99992
4221	2	4.18	474	100,787	476	0.996	212.63	211.74	1.002	0.99526
4223	11	9.31	78	2,932	1,006	0.078	37.59	2.91	1.418	0.99993
4224	1	1.90	1	114	679	0.001	114.00	0.17	1.000	0.99999
4301	5	7.59	10	935	598	0.017	93.50	1.56	1.000	0.99996
4302	2	2.45	2	147	641	0.003	73.50	0.23	1.000	0.99999
4303	4	15.95	9	2,792	844	0.011	310.22	3.31	1.000	0.99993
4324	3	3.96	65	5,260	1,061	0.061	80.92	4.96	1.016	0.99989
4334	1	3.70	1	222	449	0.002	222.00	0.49	1.000	0.99999
4341	9	11.67	1,431	44,918	1,707	0.838	31.39	26.31	1.066	0.99941
4342	4	6.87	137	15,351	1,695	0.081	112.05	9.06	1.442	0.99980
4343	2	2.57	2	154	1,010	0.002	77.00	0.15	2.000	0.99999
4361	6	6.37	394	19,195	1,909	0.206	48.72	10.06	1.003	0.99977
4362	3	3.44	853	53,567	809	1.054	62.80	66.21	1.085	0.99852
4363	1	1.03	661	40,982	654	1.011	62.00	62.66	1.000	0.99860
4371	8	13.41	62	4,462	1,503	0.041	71.97	2.97	1.000	0.99993
4372	1	0.65	1	39	417	0.002	39.00	0.09	1.000	0.99999
4431	9	17.13	43	5,957	1,327	0.032	138.53	4.49	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
4432	1	2.42	427	61,915	433	0.986	145.00	142.99	1.000	0.99680
4511	3	4.85	65	3,677	1,114	0.058	56.57	3.30	1.083	0.99993
4601	3	5.08	66	5,142	57	1.158	77.91	90.21	1.158	0.99798
4602	1	2.03	54	6,588	938	0.058	122.00	7.02	1.000	0.99984
5601	6	10.35	850	73,407	1,210	0.702	86.36	60.67	1.771	0.99864
5602	1	1.23	1	74	669	0.001	74.00	0.11	1.000	0.99999
5603	8	14.52	627	65,198	1,233	0.509	103.98	52.88	1.797	0.99882
6021	1	1.13	1	68	667	0.001	68.00	0.10	1.000	0.99999
6142	3	5.03	51	3,086	296	0.172	60.51	10.43	1.000	0.99977
6144	1	2.82	14	2,366	313	0.045	169.00	7.56	1.000	0.99983
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	475	894.87	35,759	4,695,825	161,960	0.221	131.32	28.99	1.165	0.99935

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
8/1/2011 to 8/31/2011
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	3	3.99	3	239	1,352	0.002	79.67	0.18	1.000	0.99999
1081	2	2.62	34	3,517	18	1.889	103.44	195.39	1.030	0.99562
1082	6	11.45	142	14,967	1,271	0.112	105.40	11.78	1.029	0.99974
1091	8	82.16	235	197,663	1,608	0.146	841.12	122.92	1.083	0.99725
1092	2	1.07	31	1,370	1,166	0.027	44.19	1.17	1.000	0.99997
1093	1	0.98	213	12,567	217	0.982	59.00	57.91	1.000	0.99870
1094	5	6.21	22	1,324	1,102	0.020	60.18	1.20	1.100	0.99997
1101	2	1.75	190	9,975	868	0.219	52.50	11.49	1.000	0.99974
1102	1	1.00	25	1,500	636	0.039	60.00	2.36	1.000	0.99995
1141	4	6.77	178	8,984	896	0.199	50.47	10.03	1.060	0.99978
1211	6	9.51	84	7,313	1,459	0.058	87.06	5.01	1.050	0.99989
1212	2	3.63	2	218	318	0.006	109.00	0.69	1.000	0.99998
1213	1	1.17	21	1,470	539	0.039	70.00	2.73	1.000	0.99994
1229	1	3.98	9	2,151	1,001	0.009	239.00	2.15	1.000	0.99995
1230	4	4.36	20	838	1,066	0.019	41.90	0.79	1.000	0.99998
1232	1	0.77	1	46	1,173	0.001	46.00	0.04	1.000	0.99999
1233	2	0.64	13	247	638	0.020	19.00	0.39	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	4	17.30	107	57,162	828	0.129	534.22	69.04	1.103	0.99845
1242	1	2.07	7	868	670	0.010	124.00	1.30	1.000	0.99997
1243	1	2.15	5	645	1,176	0.004	129.00	0.55	1.000	0.99999
1262	2	1.42	6	157	1,110	0.005	26.17	0.14	1.000	0.99999
1263	4	50.04	132	127,006	1,126	0.117	962.17	112.79	1.483	0.99747
1265	7	10.60	128	5,223	1,963	0.065	40.80	2.66	1.008	0.99994
1271	4	6.85	1,018	95,343	909	1.120	93.66	104.89	1.113	0.99765
1273	4	5.45	34	3,383	863	0.039	99.50	3.92	1.000	0.99991
1281	2	6.40	102	25,684	101	1.010	251.80	254.30	1.010	0.99430
1282	3	6.09	1,036	149,946	911	1.137	144.74	164.59	1.135	0.99631
1284	1	0.48	22	638	853	0.026	29.00	0.75	1.000	0.99998
1285	3	11.38	360	49,526	1,060	0.340	137.57	46.72	1.000	0.99895
1312	5	11.16	296	19,912	907	0.326	67.27	21.95	1.042	0.99951
1451	2	3.69	110	12,002	532	0.207	109.11	22.56	1.000	0.99949
1452	4	5.65	4	339	444	0.009	84.75	0.76	1.333	0.99998
1453	4	6.56	387	69,694	1,768	0.219	180.09	39.42	1.016	0.99912
1454	1	2.18	9	1,179	904	0.010	131.00	1.30	1.000	0.99997
1455	5	9.28	234	11,816	1,142	0.205	50.50	10.35	1.000	0.99977
1521	3	5.02	57	3,659	518	0.110	64.19	7.06	1.018	0.99984
1522	1	1.00	1	60	96	0.010	60.00	0.63	1.000	0.99999
1523	4	6.40	4	384	698	0.006	96.00	0.55	1.000	0.99999
1842	1	1.53	1	92	263	0.004	92.00	0.35	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
1843	1	0.38	1	23	1,059	0.001	23.00	0.02	1.000	0.99999
2052	2	4.91	5	526	85	0.059	105.20	6.19	1.000	0.99986
2091	6	8.66	170	5,744	863	0.197	33.79	6.66	1.069	0.99985
2092	6	20.72	426	316,491	896	0.475	742.94	353.23	1.042	0.99209
2171	1	0.82	1	49	547	0.002	49.00	0.09	1.000	0.99999
2172	1	0.52	2	62	216	0.009	31.00	0.29	1.000	0.99999
2211	5	11.47	45	3,893	718	0.063	86.51	5.42	1.023	0.99988
2212	3	5.03	15	1,202	1,251	0.012	80.13	0.96	1.000	0.99998
2491	2	3.52	30	3,165	60	0.500	105.50	52.75	1.000	0.99882
2621	6	9.51	61	5,405	1,116	0.055	88.61	4.84	1.000	0.99989
2622	2	7.65	18	4,968	112	0.161	276.00	44.36	1.000	0.99901
2921	4	5.45	13	1,170	398	0.033	90.00	2.94	1.182	0.99993
2951	4	6.25	4	375	1,344	0.003	93.75	0.28	2.000	0.99999
2961	7	13.83	985	16,213	964	1.022	16.46	16.82	1.037	0.99962
3082	4	2.57	27	1,115	320	0.084	41.30	3.48	1.500	0.99992
3121	8	11.92	990	87,797	1,068	0.927	88.68	82.21	2.286	0.99816
3122	3	4.39	924	37,430	837	1.104	40.51	44.72	1.109	0.99900
3123	10	27.56	886	103,728	866	1.023	117.07	119.78	1.494	0.99732
3181	1	2.38	57	8,151	702	0.081	143.00	11.61	1.000	0.99974
3221	6	13.47	1,249	267,191	1,217	1.026	213.92	219.55	1.057	0.99508
3222	2	3.25	2	195	754	0.003	97.50	0.26	1.000	0.99999
3232	3	3.47	6	382	414	0.014	63.67	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
3301	1	0.82	211	10,339	205	1.029	49.00	50.43	1.000	0.99887
3302	2	1.40	2	84	800	0.003	42.00	0.11	1.000	0.99999
3304	4	2.88	4	172	962	0.004	43.00	0.18	1.000	0.99999
3311	7	17.39	770	95,901	471	1.635	124.55	203.61	2.219	0.99544
3315	2	16.34	1,081	1,054,084	1,556	0.695	975.10	677.43	1.001	0.98482
3421	3	7.19	15	3,572	670	0.022	238.13	5.33	1.000	0.99988
3422	3	9.31	1,010	101,762	956	1.056	100.75	106.45	1.065	0.99762
3471	5	9.42	58	7,749	159	0.365	133.60	48.74	1.000	0.99891
3472	19	18.39	392	30,238	1,528	0.257	77.14	19.79	1.040	0.99956
3551	1	1.73	1	104	1,002	0.001	104.00	0.10	1.000	0.99999
3552	5	9.99	39	3,925	570	0.068	100.64	6.89	1.026	0.99985
3553	3	3.00	3	180	1,013	0.003	60.00	0.18	1.500	0.99999
3591	2	2.84	2	170	1,098	0.002	85.00	0.15	1.000	0.99999
3592	3	5.80	3	348	1,678	0.002	116.00	0.21	1.000	0.99999
3593	6	20.11	208	33,678	928	0.224	161.91	36.29	1.000	0.99919
3621	7	16.86	1,666	232,457	1,549	1.076	139.53	150.07	1.085	0.99664
3661	5	14.40	1,239	107,022	1,086	1.141	86.38	98.55	1.136	0.99779
3662	2	7.13	1,108	83,952	1,111	0.997	75.77	75.56	1.006	0.99831
3663	3	3.85	278	20,031	287	0.969	72.05	69.79	1.007	0.99844
3671	4	3.31	77	3,014	1,096	0.070	39.14	2.75	1.027	0.99994
3691	4	5.73	40	3,242	1,120	0.036	81.05	2.89	1.026	0.99994
3692	3	5.31	9	1,195	402	0.022	132.78	2.97	1.125	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
3694	1	5.03	2	604	1,231	0.002	302.00	0.49	1.000	0.99999
3701	1	2.35	1	141	468	0.002	141.00	0.30	1.000	0.99999
3702	2	6.05	632	150,933	592	1.068	238.82	254.95	1.002	0.99429
3751	6	16.15	517	111,917	1,001	0.516	216.47	111.81	1.024	0.99750
3871	1	1.90	1,241	141,474	1,361	0.912	114.00	103.95	1.000	0.99767
3872	4	7.63	22	980	1,145	0.019	44.55	0.86	1.000	0.99998
3873	2	4.50	70	6,534	783	0.089	93.34	8.34	1.000	0.99981
3878	7	15.03	774	142,596	958	0.808	184.23	148.85	1.076	0.99667
3891	3	4.47	13	828	409	0.032	63.69	2.02	1.000	0.99995
3892	2	10.82	22	9,709	457	0.048	441.32	21.25	1.000	0.99952
3893	15	31.47	604	69,761	919	0.657	115.50	75.91	1.056	0.99830
3894	1	2.00	1	120	112	0.009	120.00	1.07	1.000	0.99998
3902	1	2.68	27	4,347	97	0.278	161.00	44.81	1.000	0.99900
3903	6	9.54	23	2,315	286	0.080	100.65	8.09	1.000	0.99982
3912	1	0.60	1	36	769	0.001	36.00	0.05	1.000	0.99999
3914	1	18.73	406	456,344	656	0.619	1124.00	695.65	1.000	0.98442
3951	3	4.95	63	3,237	1,067	0.059	51.38	3.03	1.016	0.99993
3952	1	1.35	21	1,701	372	0.056	81.00	4.57	1.000	0.99990
3971	1	0.68	1	41	647	0.002	41.00	0.06	1.000	0.99999
3981	14	28.03	1,670	120,450	1,370	1.219	72.13	87.92	1.502	0.99803
3982	3	14.10	26	8,880	1,976	0.013	341.54	4.49	1.000	0.99990
3991	1	1.00	1	60	704	0.001	60.00	0.09	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
403	1	1.60	1	96	259	0.004	96.00	0.37	1.000	0.99999
4031	3	5.55	5	525	686	0.007	105.00	0.77	1.000	0.99998
405	1	1.15	1	69	43	0.023	69.00	1.60	1.000	0.99996
4091	3	6.60	16	1,542	1,132	0.014	96.38	1.36	1.000	0.99997
4092	1	4.18	400	100,400	414	0.966	251.00	242.51	1.000	0.99457
4101	7	9.23	88	6,560	574	0.153	74.55	11.43	1.000	0.99974
4102	7	15.19	73	11,857	867	0.084	162.42	13.68	1.014	0.99969
4132	1	1.48	462	41,118	564	0.819	89.00	72.90	1.000	0.99837
4134	1	3.90	3	702	827	0.004	234.00	0.85	1.000	0.99998
4135	2	6.02	7	771	62	0.113	110.14	12.44	1.000	0.99972
4137	2	2.43	2	146	808	0.002	73.00	0.18	1.000	0.99999
4151	1	4.52	1	271	1,232	0.001	271.00	0.22	1.000	0.99999
4152	2	1.52	44	889	779	0.056	20.20	1.14	1.023	0.99997
4154	2	6.39	1,086	355,935	1,082	1.004	327.75	328.96	1.001	0.99263
4155	1	1.30	18	1,404	2,023	0.009	78.00	0.69	1.000	0.99998
4171	2	2.45	1,120	82,872	1,124	0.996	73.99	73.73	1.007	0.99835
4172	5	5.20	1,647	121,873	1,641	1.004	74.00	74.27	1.007	0.99834
4173	2	8.37	629	53,229	605	1.040	84.62	87.98	1.045	0.99803
4211	3	3.63	81	6,037	970	0.084	74.53	6.22	1.038	0.99986
4212	1	1.13	1	68	792	0.001	68.00	0.09	1.000	0.99999
4221	2	8.92	65	8,862	476	0.137	136.34	18.62	1.016	0.99958
4224	6	17.78	100	14,340	679	0.147	143.40	21.12	1.000	0.99953

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4302	1	2.03	1	122	867	0.001	122.00	0.14	1.000	0.99999
4303	4	8.55	135	19,348	810	0.167	143.32	23.89	1.007	0.99946
4311	1	0.55	15	495	899	0.017	33.00	0.55	1.000	0.99999
4313	1	2.00	1	120	530	0.002	120.00	0.23	1.000	0.99999
4341	21	6.64	78	965	1,707	0.046	12.37	0.57	1.026	0.99999
4342	24	4.53	177	2,553	1,695	0.104	14.42	1.51	1.035	0.99997
4343	12	3.05	198	2,224	1,010	0.196	11.23	2.20	1.048	0.99995
4361	11	17.18	46	3,394	1,768	0.026	73.78	1.92	1.045	0.99996
4362	2	2.38	2	143	809	0.002	71.50	0.18	1.000	0.99999
4363	2	1.73	110	5,000	966	0.114	45.45	5.18	1.000	0.99988
4371	4	18.00	17	5,174	1,503	0.011	304.35	3.44	1.545	0.99992
4373	2	6.43	4	758	744	0.005	189.50	1.02	1.333	0.99998
4385	1	1.58	8	760	1,102	0.007	95.00	0.69	1.000	0.99998
4386	1	1.48	1	89	1,646	0.001	89.00	0.05	1.000	0.99999
4431	9	21.23	225	28,073	1,327	0.170	124.77	21.16	1.014	0.99953
4432	3	7.47	856	147,946	433	1.977	172.83	341.68	2.005	0.99235
4511	2	2.29	72	4,932	1,114	0.065	68.50	4.43	2.000	0.99990
4601	1	0.60	1	36	227	0.004	36.00	0.16	1.000	0.99999
4602	3	4.49	3	269	938	0.003	89.67	0.29	1.500	0.99999
5602	6	19.67	1,979	388,896	674	2.936	196.51	577.00	3.618	0.98707
5603	2	1.76	1,242	62,262	1,224	1.015	50.13	50.87	1.022	0.99886
6022	2	0.95	2	57	374	0.005	28.50	0.15	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
6141	2	2.96	642	62,430	623	1.030	97.24	100.21	1.044	0.99776
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	548	1,110.84	37,219	6,336,221	157,441	0.236	170.24	40.25	1.150	0.99910

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
9/1/2011 to 9/30/2011
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	5.78	165	24,904	1,352	0.122	150.93	18.42	1.000	0.99957
1051	1	0.55	208	6,864	1,051	0.198	33.00	6.53	1.000	0.99985
1081	1	1.57	1	94	18	0.056	94.00	5.22	1.000	0.99988
1082	8	13.15	27	2,121	1,271	0.021	78.56	1.67	1.000	0.99996
1091	3	4.53	1,631	47,306	1,607	1.015	29.00	29.44	1.052	0.99932
1092	3	8.26	63	10,416	1,166	0.054	165.33	8.93	1.500	0.99979
1093	1	0.80	51	2,448	217	0.235	48.00	11.28	1.000	0.99974
1094	6	6.44	1,111	211,727	1,093	1.016	190.57	193.71	1.055	0.99552
1101	1	1.80	1	108	868	0.001	108.00	0.12	1.000	0.99999
1102	1	5.18	38	11,818	636	0.060	311.00	18.58	1.000	0.99957
1141	2	2.25	34	2,295	896	0.038	67.50	2.56	1.000	0.99994
1142	1	0.77	1	46	213	0.005	46.00	0.22	1.000	0.99999
1230	5	4.10	85	3,006	1,063	0.080	35.36	2.83	1.000	0.99993
1232	3	18.17	359	86,886	1,173	0.306	242.02	74.07	1.038	0.99829
1233	1	0.82	24	1,176	638	0.038	49.00	1.84	1.000	0.99996
1241	1	1.00	8	480	828	0.010	60.00	0.58	1.000	0.99999
1243	4	6.24	2,346	273,710	1,176	1.995	116.67	232.75	2.060	0.99461

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1261	2	9.72	2	583	382	0.005	291.50	1.53	1.000	0.99996
1262	11	7.10	1,951	60,267	2,011	0.970	30.89	29.97	1.024	0.99931
1263	1	0.63	15	570	943	0.016	38.00	0.60	1.000	0.99999
1265	13	22.05	257	33,176	1,473	0.174	129.09	22.52	1.127	0.99948
1267	2	1.10	24	880	68	0.353	36.67	12.94	1.043	0.99970
1271	1	1.92	1	115	909	0.001	115.00	0.13	1.000	0.99999
1282	4	8.45	1,024	206,451	911	1.124	201.61	226.62	1.122	0.99475
1284	1	1.02	1	61	853	0.001	61.00	0.07	1.000	0.99999
1285	3	14.51	384	118,964	1,060	0.362	309.80	112.23	1.000	0.99740
1311	3	9.49	264	46,918	263	1.004	177.72	178.40	1.039	0.99587
1312	5	8.10	81	6,153	907	0.089	75.96	6.78	1.038	0.99984
1451	4	4.76	503	39,207	551	0.913	77.95	71.16	1.006	0.99835
1452	1	0.80	1	48	444	0.002	48.00	0.11	1.000	0.99999
1453	5	20.05	26	2,617	1,768	0.015	100.65	1.48	1.083	0.99997
1454	4	3.95	437	24,510	904	0.483	56.09	27.11	1.000	0.99937
1455	8	10.13	152	15,872	1,758	0.086	104.42	9.03	1.000	0.99979
1521	1	1.32	51	4,029	348	0.147	79.00	11.58	1.000	0.99973
1523	3	6.00	133	20,722	698	0.191	155.80	29.69	1.064	0.99931
1841	3	3.44	7	506	1,413	0.005	72.29	0.36	1.000	0.99999
1843	3	4.19	435	28,147	1,059	0.411	64.71	26.58	1.064	0.99938
2092	2	2.28	28	1,918	896	0.031	68.50	2.14	2.000	0.99995
2211	2	2.74	47	3,719	718	0.065	79.13	5.18	1.022	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
2511	1	1.00	1	60	607	0.002	60.00	0.10	1.000	0.99999
2921	2	7.24	16	5,488	398	0.040	343.00	13.79	1.067	0.99968
2951	4	3.67	1,345	70,007	1,344	1.001	52.05	52.09	1.026	0.99879
2961	1	0.92	1	55	964	0.001	55.00	0.06	1.000	0.99999
2962	1	2.37	1	142	250	0.004	142.00	0.57	1.000	0.99999
3041	1	1.38	32	2,656	77	0.416	83.00	34.49	1.000	0.99920
3081	1	0.62	1	37	562	0.002	37.00	0.07	1.000	0.99999
3121	2	8.30	10	2,490	1,068	0.009	249.00	2.33	1.000	0.99995
3122	5	15.62	35	7,036	837	0.042	201.03	8.41	1.000	0.99981
3181	2	1.58	4	167	702	0.006	41.75	0.24	1.000	0.99999
3221	3	5.91	15	798	1,217	0.012	53.20	0.66	1.154	0.99998
3222	3	6.45	70	7,358	754	0.093	105.11	9.76	1.014	0.99977
3231	1	0.72	24	1,032	404	0.059	43.00	2.55	1.000	0.99994
3232	2	2.33	15	1,226	414	0.036	81.73	2.96	1.000	0.99993
3302	1	4.78	1	287	800	0.001	287.00	0.36	1.000	0.99999
3304	2	2.28	37	2,271	962	0.038	61.38	2.36	1.000	0.99995
3313	1	4.33	1	260	922	0.001	260.00	0.28	1.000	0.99999
3315	3	5.50	33	1,170	1,555	0.021	35.45	0.75	1.000	0.99998
3421	1	0.47	1	28	670	0.001	28.00	0.04	1.000	0.99999
3422	1	0.63	1	38	956	0.001	38.00	0.04	1.000	0.99999
3472	3	4.73	147	13,892	1,528	0.096	94.50	9.09	1.065	0.99979
3551	2	2.50	80	5,600	1,002	0.080	70.00	5.59	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
3553	1	1.95	22	2,574	1,013	0.022	117.00	2.54	1.000	0.99994
3591	1	1.05	18	1,134	1,098	0.016	63.00	1.03	1.000	0.99998
3592	4	7.14	92	7,437	1,678	0.055	80.84	4.43	1.011	0.99990
3593	3	9.93	213	24,743	928	0.230	116.16	26.66	1.005	0.99938
3621	6	15.66	284	35,200	1,549	0.183	123.94	22.72	1.025	0.99947
3661	5	11.52	138	11,441	1,086	0.127	82.91	10.53	1.015	0.99976
3662	1	0.50	27	810	1,111	0.024	30.00	0.73	1.000	0.99998
3671	1	1.50	52	4,680	1,096	0.047	90.00	4.27	1.000	0.99990
3691	1	1.05	28	1,764	1,120	0.025	63.00	1.58	1.000	0.99996
3871	6	11.39	101	8,686	1,361	0.074	86.00	6.38	1.086	0.99985
3872	1	3.70	1	222	1,145	0.001	222.00	0.19	1.000	0.99999
3873	1	3.73	1	224	783	0.001	224.00	0.29	1.000	0.99999
3878	1	2.70	19	3,078	794	0.024	162.00	3.88	1.000	0.99991
3891	3	3.60	15	1,088	409	0.037	72.53	2.66	1.000	0.99994
3892	1	1.37	1	82	457	0.002	82.00	0.18	1.000	0.99999
3893	4	8.83	196	17,529	1,066	0.184	89.43	16.44	1.059	0.99962
3894	1	1.93	1	116	112	0.009	116.00	1.04	1.000	0.99998
3901	1	1.88	8	904	854	0.009	113.00	1.06	1.000	0.99998
3902	2	9.53	41	12,064	97	0.423	294.24	124.37	1.000	0.99712
3903	1	1.02	1	61	286	0.003	61.00	0.21	1.000	0.99999
3913	5	10.14	277	28,944	943	0.294	104.49	30.69	1.004	0.99929
3951	2	1.39	62	3,563	1,067	0.058	57.47	3.34	1.016	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
3952	3	7.81	88	14,450	372	0.237	164.20	38.84	1.023	0.99910
3981	9	10.64	690	27,849	1,370	0.504	40.36	20.33	1.057	0.99953
3982	5	29.44	24	15,104	1,975	0.012	629.33	7.65	1.000	0.99982
3991	6	5.46	7	352	704	0.010	50.29	0.50	1.000	0.99999
406	3	3.26	70	3,010	70	1.000	43.00	43.00	1.029	0.99900
407	1	0.30	1	18	98	0.010	18.00	0.18	1.000	0.99999
4092	1	1.83	1	110	414	0.002	110.00	0.27	1.000	0.99999
4101	2	2.85	51	5,448	574	0.089	106.82	9.49	1.000	0.99978
4102	1	0.93	1	56	867	0.001	56.00	0.06	1.000	0.99999
4133	1	1.08	1	65	315	0.003	65.00	0.21	1.000	0.99999
4134	2	1.57	53	3,154	827	0.064	59.51	3.81	1.019	0.99991
4138	1	0.75	19	855	706	0.027	45.00	1.21	1.000	0.99997
4142	1	2.07	10	1,240	575	0.017	124.00	2.16	1.000	0.99995
4151	1	0.35	57	1,197	1,232	0.046	21.00	0.97	1.000	0.99998
4153	4	4.62	1,217	85,158	1,261	0.965	69.97	67.53	1.034	0.99844
4154	1	0.73	1	44	1,082	0.001	44.00	0.04	1.000	0.99999
4155	1	2.92	2,009	351,575	2,023	0.993	175.00	173.79	1.000	0.99598
4171	5	16.80	79	9,628	1,124	0.070	121.87	8.57	1.013	0.99980
4172	13	15.26	151	9,292	1,641	0.092	61.54	5.66	1.020	0.99987
4182	5	5.36	52	3,564	987	0.053	68.54	3.61	1.061	0.99992
4211	1	5.28	1	317	661	0.002	317.00	0.48	1.000	0.99999
4212	3	3.30	106	8,678	792	0.134	81.87	10.96	1.000	0.99975

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4221	4	14.07	16	2,104	476	0.034	131.50	4.42	1.067	0.99990
4223	3	2.29	153	6,987	1,394	0.110	45.67	5.01	1.000	0.99988
4224	4	14.67	69	18,120	679	0.102	262.61	26.69	1.015	0.99938
4301	2	2.15	62	5,049	154	0.403	81.44	32.79	1.016	0.99924
4303	1	0.95	11	627	775	0.014	57.00	0.81	1.000	0.99998
4313	5	4.58	27	1,503	531	0.051	55.67	2.83	1.080	0.99993
4331	3	2.92	284	19,564	295	0.963	68.89	66.32	1.007	0.99846
4332	1	1.15	1	69	299	0.003	69.00	0.23	1.000	0.99999
4341	3	2.13	103	5,262	1,707	0.060	51.09	3.08	1.000	0.99993
4342	6	5.09	41	1,796	1,695	0.024	43.80	1.06	1.000	0.99998
4343	1	0.82	41	2,009	1,010	0.041	49.00	1.99	1.000	0.99995
4361	2	3.44	78	6,300	1,627	0.048	80.77	3.87	1.026	0.99991
4363	6	3.79	530	21,438	1,277	0.415	40.45	16.79	1.000	0.99961
4371	2	2.88	40	3,647	1,503	0.027	91.18	2.43	1.000	0.99994
4372	1	4.05	1	243	416	0.002	243.00	0.58	1.000	0.99999
4373	2	4.57	6	914	744	0.008	152.33	1.23	1.000	0.99997
4385	2	5.40	912	85,864	1,102	0.828	94.15	77.92	1.001	0.99820
4431	4	4.03	25	1,339	1,327	0.019	53.56	1.01	1.000	0.99998
4432	6	17.30	34	4,923	433	0.079	144.79	11.37	1.030	0.99974
4511	2	3.20	10	1,016	1,114	0.009	101.60	0.91	1.000	0.99998
4513	2	3.28	18	1,669	590	0.031	92.72	2.83	1.000	0.99993
4601	1	1.45	26	2,262	397	0.065	87.00	5.70	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
4602	3	4.47	107	8,468	938	0.114	79.14	9.03	1.019	0.99979
5603	2	5.70	28	3,930	1,214	0.023	140.36	3.24	1.037	0.99993
6021	1	0.68	1	41	667	0.001	41.00	0.06	1.000	0.99999
6142	2	2.76	46	3,290	296	0.155	71.52	11.11	1.000	0.99974
6143	1	1.37	39	3,198	370	0.105	82.00	8.64	1.000	0.99980
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	364	661.80	22,844	2,342,076	155,927	0.147	102.52	15.02	1.084	0.99965

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/1/2011 to 10/31/2011
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	2.24	112	4,313	1,352	0.083	38.51	3.19	1.009	0.99993
1051	2	1.21	193	7,331	1,051	0.184	37.98	6.98	1.000	0.99984
1081	1	2.68	1	161	18	0.056	161.00	8.94	1.000	0.99980
1082	4	5.00	12	1,004	1,271	0.009	83.67	0.79	1.000	0.99998
1091	3	9.80	69	17,140	1,607	0.043	248.41	10.67	1.015	0.99976
1092	1	0.72	1	43	1,166	0.001	43.00	0.04	1.000	0.99999
1094	6	4.70	90	4,528	1,093	0.082	50.31	4.14	1.000	0.99991
1101	4	3.83	9	615	868	0.010	68.33	0.71	1.000	0.99998
1102	3	8.35	40	12,674	636	0.063	316.85	19.93	1.026	0.99955
1141	4	6.83	67	5,891	896	0.075	87.93	6.57	1.031	0.99985
1211	2	8.35	2	501	1,459	0.001	250.50	0.34	1.000	0.99999
1212	6	1.76	6	106	318	0.019	17.67	0.33	1.000	0.99999
1213	1	6.28	603	227,331	539	1.119	377.00	421.76	1.000	0.99055
1230	2	1.14	2	68	1,063	0.002	34.00	0.06	1.000	0.99999
1232	1	1.23	309	22,866	1,173	0.263	74.00	19.49	1.000	0.99956
1241	1	1.53	37	3,404	828	0.045	92.00	4.11	1.000	0.99991
1243	2	5.23	49	7,133	1,176	0.042	145.57	6.07	1.000	0.99986

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1262	1	1.40	7	588	2,011	0.003	84.00	0.29	1.000	0.99999
1263	4	3.45	49	2,377	943	0.052	48.51	2.52	1.000	0.99994
1265	3	1.78	100	3,571	1,473	0.068	35.71	2.42	1.000	0.99995
1267	2	0.64	2	38	68	0.029	19.00	0.56	2.000	0.99999
1271	4	6.50	11	1,145	909	0.012	104.09	1.26	1.000	0.99997
1273	1	0.97	65	3,770	863	0.075	58.00	4.37	1.000	0.99990
1283	1	2.40	365	52,560	348	1.049	144.00	151.03	1.000	0.99662
1284	2	27.67	23	3,172	853	0.027	137.91	3.72	1.000	0.99992
1285	4	7.70	250	43,019	1,060	0.236	172.08	40.58	1.004	0.99909
1311	1	0.27	1	16	263	0.004	16.00	0.06	1.000	0.99999
1312	8	12.87	1,202	119,284	907	1.325	99.24	131.51	1.331	0.99705
1451	4	3.90	75	5,559	551	0.136	74.12	10.09	1.027	0.99977
1453	1	0.83	1	50	1,768	0.001	50.00	0.03	1.000	0.99999
1454	2	4.56	29	5,593	904	0.032	192.86	6.19	1.000	0.99986
1455	6	9.47	288	29,576	1,758	0.164	102.69	16.82	1.000	0.99962
1523	2	2.55	8	651	698	0.011	81.38	0.93	1.000	0.99998
1841	4	5.02	4	301	1,413	0.003	75.25	0.21	1.000	0.99999
1842	1	2.25	45	6,075	263	0.171	135.00	23.10	1.000	0.99948
1843	1	2.23	10	1,340	1,059	0.009	134.00	1.27	1.000	0.99997
2052	2	2.83	5	500	85	0.059	100.00	5.88	1.250	0.99987
2091	1	1.53	1	92	863	0.001	92.00	0.11	1.000	0.99999
2092	3	4.72	17	1,375	896	0.019	80.88	1.53	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
2171	2	2.65	11	879	547	0.020	79.91	1.61	1.100	0.99996
2172	1	1.10	1	66	216	0.005	66.00	0.31	1.000	0.99999
2211	2	2.67	2	160	718	0.003	80.00	0.22	1.000	0.99999
2212	2	2.41	51	3,567	1,251	0.041	69.94	2.85	1.000	0.99994
2491	1	1.98	15	1,785	60	0.250	119.00	29.75	1.000	0.99933
2511	2	4.73	27	3,505	607	0.044	129.81	5.77	1.038	0.99987
2621	2	2.87	2	172	1,116	0.002	86.00	0.15	1.000	0.99999
2951	5	5.83	506	35,530	1,344	0.376	70.22	26.44	1.039	0.99941
2952	1	0.52	27	837	144	0.188	31.00	5.81	1.000	0.99987
2961	5	61.46	207	77,856	964	0.215	376.12	80.76	2.134	0.99819
3222	1	2.57	1	154	754	0.001	154.00	0.20	1.000	0.99999
3304	2	2.44	18	1,338	962	0.019	74.33	1.39	1.000	0.99997
3311	1	1.75	15	1,575	471	0.032	105.00	3.34	1.000	0.99993
3314	1	0.55	1	33	222	0.005	33.00	0.15	1.000	0.99999
3315	3	6.37	4	484	1,555	0.003	121.00	0.31	1.000	0.99999
3422	1	5.12	8	2,456	956	0.008	307.00	2.57	1.000	0.99994
3471	1	1.42	12	1,020	159	0.075	85.00	6.42	1.000	0.99986
3472	7	5.31	153	9,691	1,528	0.100	63.34	6.34	1.020	0.99986
3552	1	1.75	6	630	570	0.011	105.00	1.11	1.000	0.99998
3553	2	2.05	207	14,178	1,013	0.204	68.49	14.00	1.035	0.99969
3591	2	2.25	36	2,430	1,098	0.033	67.50	2.21	2.000	0.99995
3592	1	1.18	8	568	1,678	0.005	71.00	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	6	7.05	212	12,567	928	0.228	59.28	13.54	1.240	0.99970
3621	4	6.55	1,750	160,351	1,549	1.130	91.63	103.52	1.153	0.99768
3661	3	4.74	160	8,159	1,086	0.147	50.99	7.51	1.000	0.99983
3662	5	6.89	143	9,554	1,111	0.129	66.81	8.60	1.014	0.99981
3663	2	2.05	2	123	287	0.007	61.50	0.43	1.000	0.99999
3671	1	0.47	4	112	1,096	0.004	28.00	0.10	1.000	0.99999
3691	1	1.55	13	1,209	1,120	0.012	93.00	1.08	1.000	0.99998
3692	3	4.20	32	3,500	402	0.080	109.38	8.71	1.000	0.99980
3702	4	2.83	66	1,612	592	0.111	24.42	2.72	1.031	0.99994
3751	6	11.69	99	11,620	853	0.116	117.37	13.62	1.021	0.99969
3878	3	1.41	47	1,559	794	0.059	33.17	1.96	1.044	0.99996
3892	1	0.70	1	42	457	0.002	42.00	0.09	1.000	0.99999
3893	9	8.47	26	1,413	1,066	0.024	54.35	1.33	1.000	0.99997
3914	1	1.95	1	117	631	0.002	117.00	0.19	1.000	0.99999
3951	5	8.39	67	8,470	1,067	0.063	126.42	7.94	1.063	0.99982
3971	1	1.00	18	1,080	647	0.028	60.00	1.67	1.000	0.99996
3981	12	15.12	1,568	75,386	1,370	1.145	48.08	55.03	1.183	0.99877
3982	2	36.60	105	27,808	1,975	0.053	264.84	14.08	1.000	0.99968
3991	8	9.91	55	4,214	704	0.078	76.62	5.99	1.078	0.99987
403	1	0.78	7	329	259	0.027	47.00	1.27	1.000	0.99997
4031	2	2.50	2	150	686	0.003	75.00	0.22	2.000	0.99999
4091	1	0.77	1	46	1,132	0.001	46.00	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
4101	1	2.28	1	137	574	0.002	137.00	0.24	1.000	0.99999
4102	2	2.10	21	1,245	867	0.024	59.29	1.44	1.000	0.99997
4133	3	3.80	5	374	315	0.016	74.80	1.19	1.250	0.99997
4137	1	0.75	55	2,475	808	0.068	45.00	3.06	1.000	0.99993
4142	1	2.58	566	87,730	575	0.984	155.00	152.57	1.000	0.99658
4151	3	2.43	182	8,200	1,232	0.148	45.05	6.66	1.000	0.99985
4152	1	1.12	2	134	779	0.003	67.00	0.17	1.000	0.99999
4154	13	7.50	1,215	110,927	1,082	1.123	91.30	102.52	1.111	0.99770
4155	1	1.48	4	356	2,023	0.002	89.00	0.18	1.000	0.99999
4171	4	7.09	104	6,159	1,124	0.093	59.22	5.48	1.000	0.99988
4172	5	5.73	128	10,537	1,641	0.078	82.32	6.42	1.000	0.99986
4181	4	6.40	58	6,036	468	0.124	104.07	12.90	1.000	0.99971
4182	2	2.37	18	1,726	987	0.018	95.89	1.75	1.000	0.99996
4211	1	1.05	47	2,961	661	0.071	63.00	4.48	1.000	0.99990
4212	4	5.35	58	6,407	792	0.073	110.47	8.09	1.018	0.99982
4223	5	6.84	219	10,299	1,394	0.157	47.03	7.39	1.000	0.99983
4224	1	3.83	4	920	679	0.006	230.00	1.35	1.000	0.99997
4301	1	1.13	61	4,148	154	0.396	68.00	26.94	1.000	0.99940
4324	2	4.29	4	631	1,061	0.004	157.75	0.59	1.000	0.99999
4341	1	3.30	1	198	1,707	0.001	198.00	0.12	1.000	0.99999
4342	3	1.97	44	1,594	1,695	0.026	36.23	0.94	1.000	0.99998
4343	1	1.40	7	588	1,010	0.007	84.00	0.58	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4361	3	17.94	74	4,910	1,627	0.045	66.35	3.02	1.000	0.99993
4362	2	4.09	36	4,665	809	0.044	129.58	5.77	1.000	0.99987
4363	17	16.38	128	10,170	1,277	0.100	79.45	7.96	1.000	0.99982
4371	6	7.95	22	2,249	1,503	0.015	102.23	1.50	1.000	0.99997
4373	3	5.29	8	887	744	0.011	110.88	1.19	1.000	0.99997
4431	2	17.10	5	2,111	1,327	0.004	422.20	1.59	1.000	0.99996
4432	1	0.43	58	1,508	433	0.134	26.00	3.48	1.000	0.99992
4511	4	3.75	75	4,380	1,114	0.067	58.40	3.93	1.119	0.99991
454	1	0.80	1	48	105	0.010	48.00	0.46	1.000	0.99999
4601	1	0.83	1	50	397	0.003	50.00	0.13	1.000	0.99999
4602	1	1.45	7	609	938	0.007	87.00	0.65	1.000	0.99999
5603	5	5.73	47	2,476	1,214	0.039	52.68	2.04	1.000	0.99995
6022	1	0.32	1	19	374	0.003	19.00	0.05	1.000	0.99999
6142	1	0.83	1	50	296	0.003	50.00	0.17	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	339	588.70	13,125	1,382,010	155,927	0.084	105.30	8.86	1.089	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/1/2011 to 11/30/2011
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	7	18.00	242	49,012	1,352	0.179	202.53	36.25	1.008	0.99916
1051	7	16.79	1,159	207,636	1,051	1.103	179.15	197.56	1.115	0.99543
1082	5	8.23	27	2,047	1,271	0.021	75.81	1.61	1.000	0.99996
1091	5	12.65	1,551	23,949	1,607	0.965	15.44	14.90	1.003	0.99966
1092	5	13.32	112	22,238	1,166	0.096	198.55	19.07	1.143	0.99956
1094	2	2.04	22	1,282	1,093	0.020	58.27	1.17	1.000	0.99997
1101	5	22.35	205	57,296	868	0.236	279.49	66.01	1.005	0.99847
1102	1	9.18	35	19,285	636	0.055	551.00	30.32	1.000	0.99930
1142	1	0.80	6	288	213	0.028	48.00	1.35	1.000	0.99997
1211	2	3.03	86	10,262	1,459	0.059	119.33	7.03	1.000	0.99984
1212	2	4.95	2	297	318	0.006	148.50	0.93	1.000	0.99998
1213	1	0.73	9	396	539	0.017	44.00	0.73	1.000	0.99998
1230	1	2.15	1	129	1,063	0.001	129.00	0.12	1.000	0.99999
1232	2	2.35	55	2,222	1,173	0.047	40.40	1.89	1.000	0.99996
1243	1	1.50	1	90	1,176	0.001	90.00	0.08	1.000	0.99999
1261	7	12.82	437	35,827	382	1.144	81.98	93.79	1.098	0.99783
1262	2	4.49	1,915	260,410	2,011	0.952	135.98	129.49	1.005	0.99700

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1263	4	5.06	1,058	132,884	943	1.122	125.60	140.92	1.090	0.99674
1265	3	7.13	1,359	186,520	1,473	0.923	137.25	126.63	1.009	0.99707
1267	2	4.27	24	3,182	68	0.353	132.58	46.79	1.043	0.99892
1273	2	2.20	13	319	863	0.015	24.54	0.37	1.000	0.99999
1282	1	3.35	1	201	911	0.001	201.00	0.22	1.000	0.99999
1284	6	7.11	65	4,352	853	0.076	66.95	5.10	1.016	0.99988
1285	2	3.57	135	10,907	1,060	0.127	80.79	10.29	1.000	0.99976
1312	3	5.07	76	7,374	907	0.084	97.03	8.13	1.041	0.99981
1451	1	1.77	27	2,862	551	0.049	106.00	5.19	1.000	0.99988
1452	1	2.35	1	141	444	0.002	141.00	0.32	1.000	0.99999
1453	2	1.47	2	88	1,768	0.001	44.00	0.05	1.000	0.99999
1454	1	0.48	1	29	904	0.001	29.00	0.03	1.000	0.99999
1523	2	2.51	819	43,911	698	1.173	53.62	62.91	1.180	0.99854
1843	3	5.75	80	8,194	1,059	0.076	102.43	7.74	1.013	0.99982
2091	1	2.68	1	161	863	0.001	161.00	0.19	1.000	0.99999
2172	1	1.17	1	70	216	0.005	70.00	0.32	1.000	0.99999
2211	1	1.33	40	3,200	718	0.056	80.00	4.46	1.000	0.99990
2212	3	4.56	22	2,458	1,251	0.018	111.73	1.96	1.100	0.99995
2491	1	1.95	15	1,755	60	0.250	117.00	29.25	1.000	0.99932
2621	4	6.75	122	12,421	1,116	0.109	101.81	11.13	1.017	0.99974
2951	2	4.23	452	86,004	1,344	0.336	190.27	63.99	1.013	0.99852
2961	1	0.23	18	252	964	0.019	14.00	0.26	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3041	1	0.70	1	42	77	0.013	42.00	0.55	1.000	0.99999
3121	2	3.35	10	1,073	1,068	0.009	107.30	1.00	1.000	0.99998
3122	1	1.05	24	1,512	837	0.029	63.00	1.81	1.000	0.99996
3221	3	5.09	12	1,205	1,217	0.010	100.42	0.99	1.091	0.99998
3222	2	3.43	5	526	754	0.007	105.20	0.70	1.000	0.99998
3304	4	3.66	61	3,222	962	0.063	52.82	3.35	1.488	0.99992
3314	2	3.33	21	2,138	222	0.095	101.81	9.63	1.000	0.99978
3315	5	6.22	86	5,909	1,555	0.055	68.71	3.80	1.483	0.99991
3421	1	2.02	1	121	670	0.001	121.00	0.18	1.000	0.99999
3422	1	3.33	1	200	956	0.001	200.00	0.21	1.000	0.99999
3472	2	2.98	89	6,467	1,528	0.058	72.66	4.23	1.047	0.99990
3552	2	1.59	15	420	570	0.026	28.00	0.74	1.071	0.99998
3553	1	1.40	64	5,376	1,013	0.063	84.00	5.31	1.000	0.99988
3592	1	1.83	1	110	1,678	0.001	110.00	0.07	1.000	0.99999
3593	1	2.98	173	30,967	928	0.186	179.00	33.37	1.000	0.99923
3594	1	1.40	1	84	615	0.002	84.00	0.14	1.000	0.99999
3621	4	9.35	74	7,747	1,549	0.048	104.69	5.00	1.000	0.99988
3661	2	3.75	12	2,105	1,086	0.011	175.42	1.94	1.000	0.99996
3662	19	47.44	469	50,442	1,111	0.422	107.55	45.40	1.040	0.99895
3663	1	0.97	248	14,384	287	0.864	58.00	50.12	1.000	0.99884
3691	1	1.72	13	1,339	1,120	0.012	103.00	1.20	1.000	0.99997
3694	3	2.10	25	1,380	1,231	0.020	55.20	1.12	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3701	1	1.85	1	111	468	0.002	111.00	0.24	1.000	0.99999
3751	5	20.02	72	32,458	853	0.084	450.81	38.05	1.014	0.99912
3871	3	5.09	106	6,533	1,361	0.078	61.63	4.80	1.029	0.99989
3872	4	5.06	1,246	35,373	1,145	1.088	28.39	30.89	1.061	0.99928
3873	1	0.42	53	1,325	783	0.068	25.00	1.69	1.000	0.99996
3901	2	3.75	9	1,065	854	0.011	118.33	1.25	1.125	0.99997
3913	1	1.82	1	109	943	0.001	109.00	0.12	1.000	0.99999
3914	1	3.80	4	912	631	0.006	228.00	1.45	1.000	0.99997
3951	4	10.61	293	61,468	1,067	0.275	209.79	57.61	1.021	0.99867
3971	2	5.05	3	343	647	0.005	114.33	0.53	1.000	0.99999
3981	2	3.07	2	184	1,370	0.001	92.00	0.13	1.000	0.99999
3982	3	23.38	106	18,211	1,975	0.054	171.80	9.22	1.000	0.99979
3991	2	3.04	2	182	704	0.003	91.00	0.26	1.000	0.99999
4031	3	8.22	262	23,938	686	0.382	91.37	34.90	1.101	0.99919
4091	2	2.25	20	1,791	1,132	0.018	89.55	1.58	1.000	0.99996
4092	1	1.63	13	1,274	414	0.031	98.00	3.08	1.000	0.99993
4101	4	4.04	135	10,759	574	0.235	79.70	18.74	1.000	0.99957
4102	5	3.96	963	24,404	867	1.111	25.34	28.15	1.112	0.99935
4132	1	0.97	43	2,494	564	0.076	58.00	4.42	1.000	0.99990
4134	1	2.07	1	124	827	0.001	124.00	0.15	1.000	0.99999
4137	5	6.26	41	4,212	808	0.051	102.73	5.21	1.519	0.99988
4138	2	2.22	2	133	706	0.003	66.50	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4142	2	2.89	71	5,585	575	0.123	78.66	9.71	1.014	0.99978
4151	5	8.04	71	3,717	1,232	0.058	52.35	3.02	1.060	0.99993
4152	1	0.38	2	46	779	0.003	23.00	0.06	1.000	0.99999
4154	2	1.98	145	8,668	1,082	0.134	59.78	8.01	1.000	0.99981
4155	1	1.55	2	186	2,023	0.001	93.00	0.09	1.000	0.99999
4171	2	3.68	28	1,389	1,124	0.025	49.61	1.24	1.037	0.99997
4172	6	7.64	107	13,792	1,641	0.065	128.90	8.40	1.019	0.99981
4181	1	2.28	1	137	468	0.002	137.00	0.29	1.000	0.99999
4182	1	1.65	1	99	987	0.001	99.00	0.10	1.000	0.99999
4212	1	0.68	11	451	792	0.014	41.00	0.57	1.000	0.99999
4221	1	0.57	12	408	476	0.025	34.00	0.86	1.000	0.99998
4223	2	1.65	46	3,091	1,394	0.033	67.20	2.22	1.000	0.99995
4224	1	2.32	45	6,255	679	0.066	139.00	9.21	1.000	0.99979
4302	1	1.75	4	420	1,093	0.004	105.00	0.38	1.000	0.99999
4303	1	1.90	9	1,026	775	0.012	114.00	1.32	1.000	0.99997
4322	1	0.10	1	6	88	0.011	6.00	0.07	1.000	0.99999
4324	1	2.30	2	276	1,061	0.002	138.00	0.26	1.000	0.99999
4334	1	1.18	1	71	449	0.002	71.00	0.16	1.000	0.99999
4341	2	2.87	2	172	1,707	0.001	86.00	0.10	1.000	0.99999
4342	7	5.95	189	9,662	1,695	0.112	51.12	5.70	1.235	0.99987
4361	6	39.07	279	17,225	1,627	0.171	61.74	10.59	1.446	0.99975
4362	3	2.32	168	6,874	809	0.208	40.92	8.50	1.012	0.99980

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	0.78	5	235	1,277	0.004	47.00	0.18	1.000	0.99999
4371	3	3.48	42	2,493	1,503	0.028	59.36	1.66	1.024	0.99996
4373	1	2.12	1	127	744	0.001	127.00	0.17	1.000	0.99999
4431	2	3.35	34	2,729	1,327	0.026	80.26	2.06	1.030	0.99995
4432	1	18.17	58	63,220	433	0.134	1090.00	146.00	1.000	0.99662
4511	1	0.75	1	45	1,114	0.001	45.00	0.04	1.000	0.99999
4601	1	0.62	1	37	397	0.003	37.00	0.09	1.000	0.99999
4602	1	0.85	24	1,224	938	0.026	51.00	1.30	1.000	0.99997
5602	2	15.62	19	1,974	679	0.028	103.89	2.91	1.000	0.99993
5603	3	4.05	39	2,997	1,214	0.032	76.85	2.47	1.000	0.99994
6021	1	0.63	17	646	667	0.025	38.00	0.97	1.000	0.99998
6141	1	1.20	1	72	623	0.002	72.00	0.12	1.000	0.99999
6143	2	4.18	2	251	370	0.005	125.50	0.68	1.000	0.99998
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	287	587.19	16,422	1,719,729	155,927	0.105	104.72	11.03	1.055	0.99974

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/1/2011 to 12/31/2011
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	0.58	49	1,715	1,352	0.036	35.00	1.27	1.000	0.99997
1051	3	5.27	225	8,674	1,051	0.214	38.55	8.25	1.004	0.99982
1082	2	2.40	9	704	1,271	0.007	78.22	0.55	1.000	0.99999
1091	3	3.49	3	209	1,607	0.002	69.67	0.13	1.000	0.99999
1092	2	1.31	34	1,775	1,166	0.029	52.21	1.52	1.030	0.99997
1093	2	3.25	41	2,133	217	0.189	52.02	9.83	1.000	0.99978
1094	2	2.05	2	123	1,093	0.002	61.50	0.11	1.000	0.99999
1101	1	3.75	95	21,375	868	0.109	225.00	24.63	1.000	0.99945
1211	2	4.52	2	271	1,459	0.001	135.50	0.19	1.000	0.99999
1212	2	6.53	4	756	318	0.013	189.00	2.38	1.333	0.99995
1230	2	5.05	1,101	291,538	1,063	1.036	264.79	274.26	1.001	0.99386
1232	2	4.21	1,180	253,523	1,173	1.006	214.85	216.13	1.001	0.99516
1233	1	3.62	633	137,361	638	0.992	217.00	215.30	1.000	0.99518
1241	3	7.08	203	28,401	828	0.245	139.91	34.30	1.862	0.99923
1242	1	0.90	1	54	670	0.001	54.00	0.08	1.000	0.99999
1243	2	1.65	79	2,332	1,176	0.067	29.52	1.98	1.013	0.99996
1262	2	5.46	153	19,203	2,011	0.076	125.51	9.55	1.007	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
1265	2	1.33	79	3,655	1,473	0.054	46.27	2.48	1.000	0.99994
1271	2	7.65	991	210,235	909	1.090	212.14	231.28	1.083	0.99482
1273	1	3.23	3	582	863	0.003	194.00	0.67	1.000	0.99998
1282	1	0.73	33	1,452	911	0.036	44.00	1.59	1.000	0.99996
1283	1	1.60	1	96	348	0.003	96.00	0.28	1.000	0.99999
1284	1	1.05	22	1,386	853	0.026	63.00	1.62	1.000	0.99996
1285	1	3.77	37	8,362	1,060	0.035	226.00	7.89	1.000	0.99982
1453	2	2.07	2	124	1,768	0.001	62.00	0.07	1.000	0.99999
1454	1	0.58	1	35	904	0.001	35.00	0.04	1.000	0.99999
1521	2	2.60	660	51,480	348	1.897	78.00	147.93	2.000	0.99669
1522	2	2.43	96	5,410	96	1.000	56.35	56.35	1.011	0.99874
1523	3	2.10	696	40,320	698	0.997	57.93	57.77	1.003	0.99871
1841	2	1.93	69	6,347	1,413	0.049	91.99	4.49	1.000	0.99990
1843	2	5.55	37	2,398	1,059	0.035	64.81	2.26	1.000	0.99995
2171	1	0.73	65	2,860	547	0.119	44.00	5.23	1.000	0.99988
2212	1	0.53	1	32	1,251	0.001	32.00	0.03	1.000	0.99999
2511	1	1.92	49	5,635	607	0.081	115.00	9.28	1.000	0.99979
2621	1	1.75	20	2,100	1,116	0.018	105.00	1.88	1.000	0.99996
2622	1	1.63	6	588	112	0.054	98.00	5.25	1.000	0.99988
2961	1	3.28	1	197	964	0.001	197.00	0.20	1.000	0.99999
3121	1	0.80	1	48	1,068	0.001	48.00	0.04	1.000	0.99999
3122	2	0.78	44	1,080	837	0.053	24.55	1.29	1.000	0.99997

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3221	2	1.67	9	452	1,217	0.007	50.22	0.37	1.000	0.99999
3232	2	2.32	2	139	414	0.005	69.50	0.34	1.000	0.99999
3314	1	0.83	20	1,000	222	0.090	50.00	4.50	1.000	0.99990
3315	2	2.57	33	2,417	1,555	0.021	73.24	1.55	1.000	0.99997
3421	1	2.57	1	154	670	0.001	154.00	0.23	1.000	0.99999
3422	4	4.76	26	1,716	956	0.027	66.00	1.79	1.000	0.99996
3552	1	1.72	12	1,236	570	0.021	103.00	2.17	1.000	0.99995
3553	1	1.32	9	711	1,013	0.009	79.00	0.70	1.000	0.99998
3621	4	8.80	40	5,160	1,549	0.026	129.00	3.33	1.026	0.99993
3662	1	1.15	14	966	1,111	0.013	69.00	0.87	1.000	0.99998
3692	1	2.93	13	2,288	402	0.032	176.00	5.69	1.000	0.99987
3693	1	1.05	28	1,764	186	0.151	63.00	9.48	1.000	0.99979
3751	2	3.24	67	7,456	853	0.079	111.28	8.74	1.000	0.99980
3871	6	18.37	147	22,095	1,361	0.108	150.31	16.23	1.058	0.99964
3878	1	4.38	19	4,997	794	0.024	263.00	6.29	1.000	0.99986
3891	3	5.40	3	324	409	0.007	108.00	0.79	1.000	0.99998
3892	1	2.12	12	1,524	457	0.026	127.00	3.33	1.000	0.99993
3893	6	6.19	279	13,949	1,066	0.262	50.00	13.09	1.049	0.99971
3901	1	2.15	17	2,193	854	0.020	129.00	2.57	1.000	0.99994
3912	1	1.48	1	89	424	0.002	89.00	0.21	1.000	0.99999
3913	5	4.60	259	16,746	943	0.275	64.66	17.76	1.066	0.99960
3914	2	1.39	77	2,981	631	0.122	38.71	4.72	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
3951	1	1.10	23	1,518	1,067	0.022	66.00	1.42	1.000	0.99997
3971	2	4.59	2	275	647	0.003	137.50	0.43	2.000	0.99999
3981	6	54.68	31	32,998	1,370	0.023	1064.45	24.09	1.000	0.99946
3982	6	6.09	2,518	142,951	1,975	1.275	56.77	72.38	1.273	0.99838
3991	1	1.57	1	94	704	0.001	94.00	0.13	1.000	0.99999
4031	1	1.75	1	105	686	0.001	105.00	0.15	1.000	0.99999
4101	1	1.33	79	6,320	574	0.138	80.00	11.01	1.000	0.99975
4102	4	4.86	41	3,004	867	0.047	73.27	3.46	1.000	0.99992
4133	1	1.27	1	76	315	0.003	76.00	0.24	1.000	0.99999
4134	2	1.93	67	3,849	827	0.081	57.45	4.65	1.031	0.99990
4138	1	3.18	1	191	706	0.001	191.00	0.27	1.000	0.99999
4142	1	1.73	62	6,448	575	0.108	104.00	11.21	1.000	0.99975
4151	4	6.98	57	2,751	1,232	0.046	48.26	2.23	1.056	0.99995
4153	1	1.57	1	94	1,261	0.001	94.00	0.07	1.000	0.99999
4154	1	0.95	34	1,938	1,082	0.031	57.00	1.79	1.000	0.99996
4171	5	2.95	58	1,850	1,124	0.052	31.90	1.65	1.036	0.99996
4172	7	14.01	139	26,344	1,641	0.085	189.53	16.05	1.015	0.99964
4211	1	1.12	1	67	661	0.002	67.00	0.10	1.000	0.99999
4212	5	5.39	109	7,254	792	0.138	66.55	9.16	1.009	0.99979
4222	1	4.37	15	3,930	315	0.048	262.00	12.48	1.000	0.99972
4223	3	5.34	10	986	1,394	0.007	98.60	0.71	1.000	0.99998
4302	1	6.43	1	386	1,093	0.001	386.00	0.35	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
4312	1	0.58	986	34,510	972	1.014	35.00	35.50	1.000	0.99920
4324	1	1.73	1	104	1,061	0.001	104.00	0.10	1.000	0.99999
4341	1	2.03	1	122	1,707	0.001	122.00	0.07	1.000	0.99999
4342	2	2.07	52	2,680	1,695	0.031	51.54	1.58	1.000	0.99996
4363	7	4.33	98	2,553	1,277	0.077	26.05	2.00	1.010	0.99996
4381	1	0.90	1	54	280	0.004	54.00	0.19	1.000	0.99999
4383	1	0.68	1	41	140	0.007	41.00	0.29	1.000	0.99999
4385	2	5.69	912	214,191	1,102	0.828	234.86	194.37	1.001	0.99565
4386	1	2.48	1	149	1,646	0.001	149.00	0.09	1.000	0.99999
4512	1	2.55	7	1,071	873	0.008	153.00	1.23	1.000	0.99997
4601	3	4.42	28	2,740	397	0.071	97.86	6.90	1.077	0.99985
5602	1	32.05	1	1,923	679	0.001	1923.00	2.83	1.000	0.99994
5603	1	1.97	2	236	1,214	0.002	118.00	0.19	1.000	0.99999
6021	2	3.43	698	15,134	667	1.046	21.68	22.69	1.028	0.99949
6141	1	1.12	9	603	623	0.014	67.00	0.97	1.000	0.99998
6144	1	1.95	8	936	313	0.026	117.00	2.99	1.000	0.99993
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	197	391.34	13,874	1,725,402	155,927	0.089	124.36	11.07	1.088	0.99975