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April 30, 2025

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Energy Department
Missouri Public Service Commission
200 Madison Street, PO Box 360
Jefferson City, MO 65102-0360

RE: Reliability Performance Report

The Empire District Electric Company ("Liberty") respectfully submits its annual reliability report for calendar year 2024. Commission Rule 20 CSR 4240-23.010(2-8) requires the production of an annual reliability performance report including performance metrics for both including and excluding major event days, a list of the Company's worst performing circuit program and activities to improve performance, and a list of the Company's multi-year worst performing circuits and activities to improve performance.

Pursuant to Rule 23.010(2-8), Liberty's annual Reliability Performance Report discusses the 2024 performance and planned 2025 reliability activities to maintain or improve service reliability for Liberty's electric customers. Please note that this is a working document, and the planned activities are subject to change.

Respectfully submitted,

Sam McGarrah
Director of Planning and Asset Management



2024 Missouri Annual Reliability Report

The Empire District Electric Company

d/b/a Liberty

April 30, 2025



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Section I:

Introduction

This report details the annual reliability metrics and worst performing circuits for calendar year 2024 for The Empire District Electric Company ("Liberty" or "Company"), as required by Missouri Public Service Commission Rule 20 CSR 4240-23.010, 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, 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 1366-2022 when compared to the SAIFI values for the other circuits in the Liberty system places it among the 5% of circuits with the highest SAIFI values in the Liberty system.



Section 2:

Liberty serves electric customers in sixteen counties of the southwest corner of Missouri. The region is comprised of rural communities, small towns, and medium cities.

2024 Missouri Reliability Indices including Major Event Days

Month	SAIDI	SAIFI	CAIDI
January	12.41	0.108	115.23
February	3.72	0.065	57.28
March	7.46	0.061	122.29
April	20.70	0.187	110.42
May	76.35	0.253	301.79
June	14.60	0.091	160.81
July	17.28	0.105	164.83
August	41.27	0.151	273.90
September	8.57	0.085	101.34
October	13.06	0.140	93.34
November	14.48	0.095	152.32
December	3.26	0.040	82.02

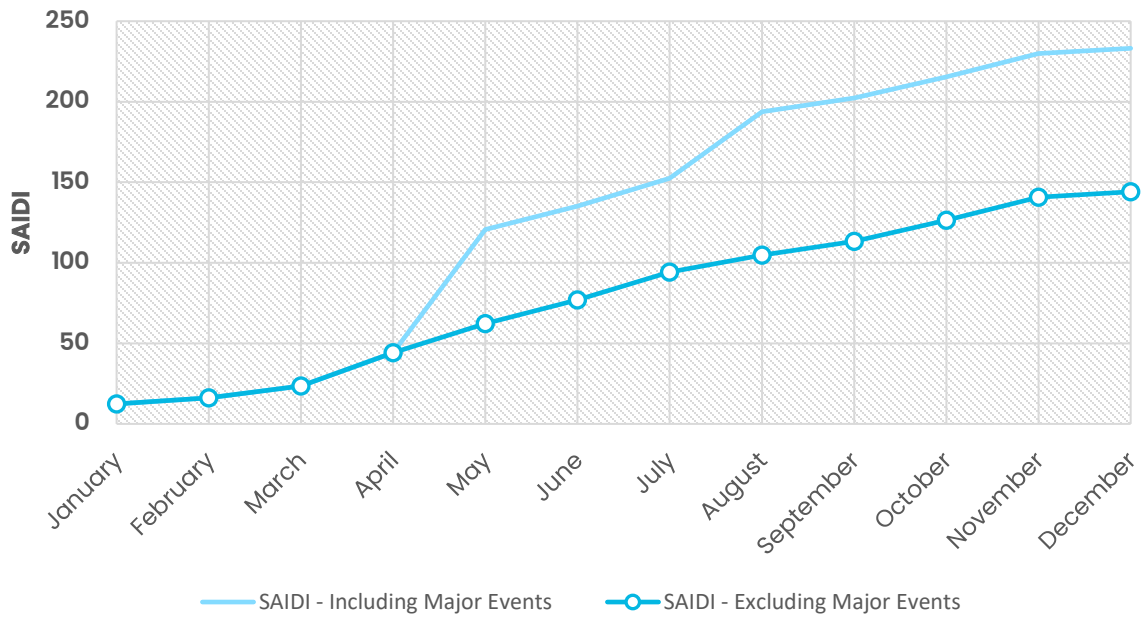


2024 Missouri Reliability Indices excluding Major Event Days

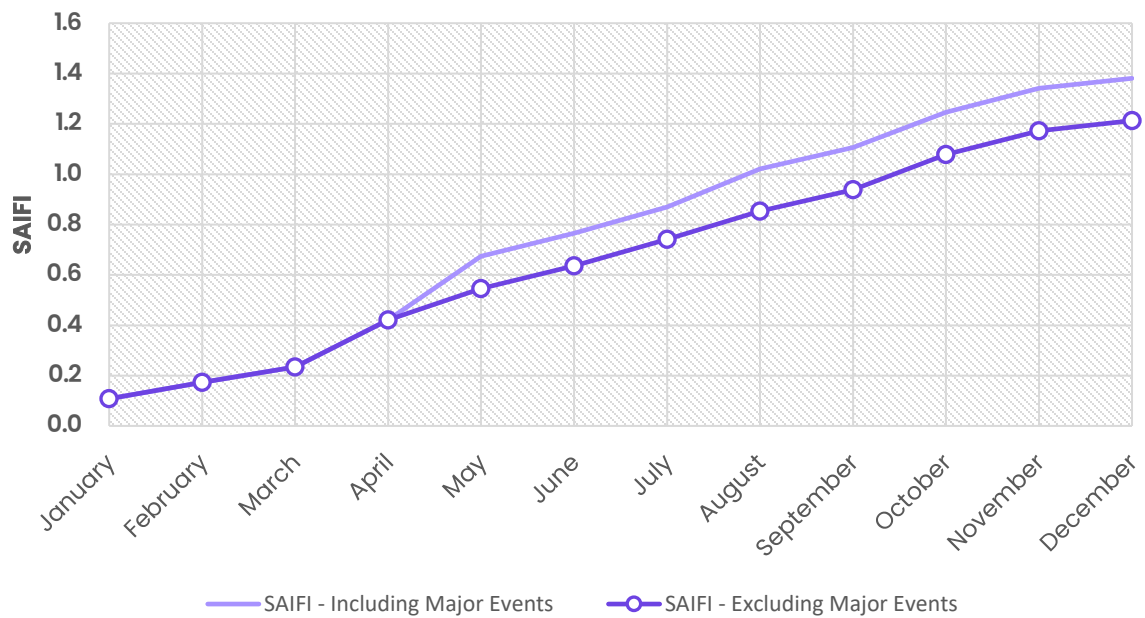
Month	SAIDI	SAIFI	CAIDI
January	12.41	0.108	115.23
February	3.72	0.065	57.28
March	7.46	0.061	122.29
April	20.70	0.187	110.42
May	18.00	0.124	145.57
June	14.60	0.091	160.81
July	17.28	0.105	164.83
August	10.56	0.112	93.98
September	8.57	0.085	101.34
October	13.06	0.140	93.34
November	14.48	0.095	152.32
December	3.26	0.040	82.02

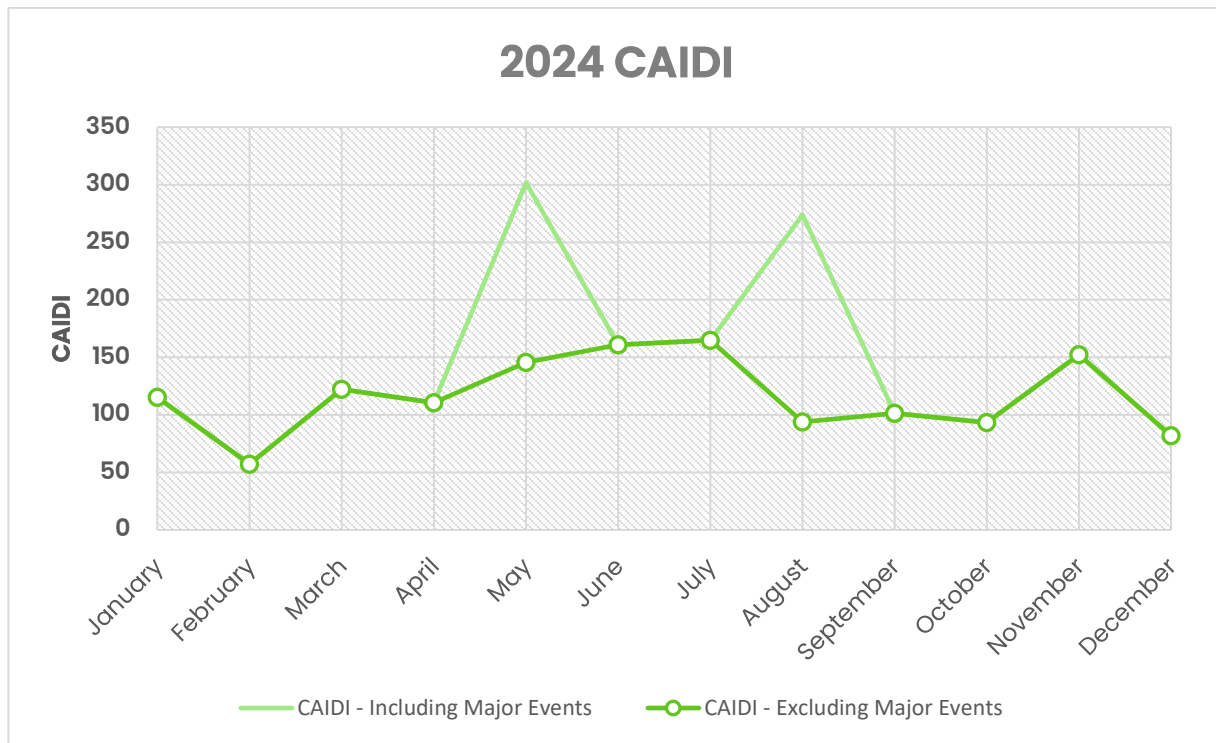


2024 Cumulative SAIDI



2024 Cumulative SAIFI







Section 3:

Worst Performing Circuit Analysis/Improvement Program

Liberty's top 5% worst performing circuits for 2024 are provided in the table below.

2024 Worst Performing Circuits

Circuit Number	Location	Customer Outage Minutes	Customers Affected	Total Customers on Affected Circuits	SAIFI	SAIDI
4324	Oakland – North	37,969	421	66	6.379	575.29
2951	Reeds Spring – 161 KV	754,888	7,142	1,085	6.084	671.41
3901	Purdy – South	774,039	4,773	805	6.012	989.37
3304	Ozark – Northwest	878,881	6,460	1,152	5.655	764.58
2952	Reeds Spring – 161 KV	174,422	1,919	353	4.936	448.67
4102	Forsyth – North	202,867	1,925	543	3.690	390.11
4361	Webb City – Cardinal	609,409	6,071	1,610	3.670	378.87
1050	Webb City – Tom Street	441,926	6,551	1,776	3.670	251.65
3982	Neosho – East	327,178	5,549	1,795	3.150	184.47
6021	Bolivar Plant	281,397	3,871	1,317	3.074	223.43
4101	Forsyth – North	496,544	2,582	933	2.890	556.18
3181	Collins South	97,293	1,918	657	2.856	140.94
1523	Monett – H.T.	175,732	2,070	733	2.830	240.59
3311	Branson – North	313,523	1,555	535	2.810	563.50



Worst Performing Circuit Assessment

Circuit 4324

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received an overhead and underground detail inspection in 2020 and an intrusive inspection in 2021. This circuit is scheduled for an overhead and underground patrol inspection in 2025 and an intrusive inspection in 2028.

Circuit 4324 predominantly serves industrial customers but also has a fused tap serving residential customers. The fused tap serves approximately 80% of the circuit's customer count and experienced seven outages in 2024. Five of the outages occurred within a week period prior to remediating the underlying issue.

A thorough walkthrough of this circuit was performed to determine the appropriate remediation. Liberty then performed "hot-spot" vegetation clearing and installed wildlife cover-up to the affected devices behind the fuse. This fuse has not experienced an outage since the remediation was performed.

Circuit 2951

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2027.

This circuit received an overhead and underground patrol inspection in 2022 and an intrusive inspection in 2022. This circuit is scheduled for overhead and underground patrol inspections in 2028.

Circuit 2951 experienced four transmission related outages affecting the entire Reeds Spring – 161 KV substation. One incident occurred when Liberty crews attempted to operate a transmission switch but it was unable to perform the necessary load-breaking function. Liberty has adjusted operational procedures to prevent future similar incidents. A second transmission outage occurred due to an unidentified fault on Liberty's 161 kV line serving the #295 – Reeds Spring substation. Liberty crews patrolled the line however the root cause was not discovered. The line was successfully re-energized and has not experienced a recurrence.



Due to system configuration, Liberty's #295 – Reeds Spring substation experiences an outage when an outage or fault occurs at Associated Electric Cooperative's (AEC) #424 – Reeds Spring substation. Two faults originating in AEC's equipment resulted in two substation outages of #424 – Reeds Spring which caused a loss of supply to Liberty's #295 – Reeds Spring substation.

This circuit also experienced three large-scale outages. One incident affected the circuit breaker due to a vehicle hitting a pole. Another two incidents occurred on a three-phase recloser due to weather.

Circuit 3901

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2025.

This circuit received an intrusive inspection in 2020 and overhead and underground detail inspections in 2022. This circuit is scheduled for overhead and underground detail inspections in 2028.

Circuit 3901 experienced five circuit-wide outages in 2024 due to a variety of causes. Two circuit-wide outages occurred due to vehicles hitting poles. Another outage occurred due to wildlife. A fourth outage occurred while line crews had reclosing blocked to replace a primary metering rack. The resulting outage root cause was unidentified. It is standard policy for Liberty crews to block reclosing to safely perform work on energized equipment. Liberty interrupted power to #390 – Purdy South to perform planned transmission maintenance work. The #390 – Purdy South substation is radially fed and requires a service interruption to customers to safely perform some maintenance activities.

Circuit 3304

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspections in 2021. This circuit is scheduled for overhead and underground detail inspections in 2025 and an intrusive inspection in 2026.



Circuit 3304 experienced four circuit-wide outages in 2024 due to a variety of causes. Two circuit-wide outages occurred due to equipment failures. The third circuit-wide outage was caused by lightning. The final circuit-wide outage occurred when a dump truck drove into an energized line with its raised truck bed.

Circuit 2952

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2027.

This circuit received overhead and underground detail inspections in 2021. This circuit is scheduled for an intrusive inspection in 2025 and overhead and underground detail inspections in 2027.

Circuit 2952 experienced four transmission related outages affecting the entire Reeds Spring – 161 KV substation. One incident occurred when Liberty crews attempted to operate a transmission switch but it was unable to perform the necessary load-breaking function. Liberty has adjusted operational procedures to prevent future similar incidents. A second transmission outage occurred due to an unidentified fault on Liberty's 161 kV line serving the #295 – Reeds Spring substation. Liberty crews patrolled the line however the root cause was not discovered. The line was successfully re-energized and has not experienced a recurrence.

Due to system configuration, Liberty's #295 – Reeds Spring substation experiences an outage when an outage or fault occurs at Associated Electric Cooperative's (AEC) #424 – Reeds Spring substation. Two faults originating in AEC's equipment resulted in two substation outages of #424 – Reeds Spring which caused a loss of supply to Liberty's #295 – Reeds Spring substation.

Circuit 2952 also experienced a circuit breaker outage due to lightning.

Circuit 4102

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspections in 2023. This circuit is scheduled for overhead and underground detail inspections in 2027 and an intrusive inspection in 2028.



The first outage occurred due to protection relaying isolating the autotransformer at Liberty's #312 - Ozark Dam - Powersite substation. The incident cause was not discovered, however the transformer was thoroughly tested and is in good condition. Revisions to the relaying logic were implemented for a more robust design. The second outage occurred because of operational error. A third outage was caused by wildlife.

The existing 39-0 69 kV transmission line that feeds the #410 - Forsyth North substation is currently planned to be rebuilt and upgraded to 161 kV. This upgrade is part of a systemic transmission upgrade at the request of the Southwest Power Pool (SPP). The #410 - Forsyth North substation is currently served radially and this line rebuild will allow the substation to be fed from two sources.

Circuit 4361

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2026.

This circuit received an intrusive inspection in 2020 and overhead and underground detail inspections in 2021. This circuit is scheduled for overhead and underground detail inspections in 2025.

Circuit 4361 experienced three circuit-wide outages in 2024. The first circuit-wide outage occurred due to overload caused by extreme cold. The second circuit-wide outage was caused by a vehicle striking a pole. The final circuit-wide outage occurred due to wildlife. Liberty's response to these outages included upgrading the distribution breaker, installing wildlife protective devices, and upgrading a 69 kV circuit switcher to a new 69 kV breaker.

Circuit 1050

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground patrol inspections in 2020 and an intrusive inspection in 2022. This circuit will receive underground and overhead detail and patrol inspections in 2025.



This circuit experienced two circuit-wide outages in 2024. The first circuit-wide outage occurred due to wildlife. The second circuit-wide outage occurred due to a transmission line failure on the radial source to the #105 – Webb City – Tom Street substation.

Circuit 3982

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2027.

This circuit received overhead and underground detail inspections in 2021. This circuit is scheduled for overhead and underground detail inspections in 2025 and an intrusive inspection in 2028.

Hot Line Tag (HLT) was introduced last year on circuit 3981 as part of a system-wide protection procedure change. Its purpose is to minimize the incident energy line personnel are exposed to during energized (“hot”) line work. HLT causes the protective device to trip with minimal delay which causes the circuit to immediately lose power when faults are detected. HLT is enabled when personnel are required to work within a specified distance of an energized conductor.

Circuit 3981 experienced two outages related to HLT as they occurred during energized work.

Liberty has reviewed and implemented new policies concerning HLTs. Liberty has updated the HLT logic to be less sensitive and allow downstream devices to operate while maintaining safety for the crews. In addition to this technical adjustment, Liberty is introducing a procedural change. The updated procedure permits HLT to be bypassed in scenarios where the work area is limited to a single-phase fault or when another line protective device (such as a fuse or recloser) is located upstream of the work area.

Circuit 6021

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received an intrusive inspection in 2019 and overhead and underground detail inspections in 2020. This circuit is scheduled for overhead and underground patrol inspections in 2025.



Circuit 6021 experienced two circuit-wide outages caused by wildlife in the #602 – Bolivar Plant substation. The first substation outage was caused by a squirrel on the circuit breaker that feeds this circuit. The second outage was caused by a squirrel on the substation's distribution bus. Liberty is planning wildlife coverup for this substation.

Liberty experienced a third and final circuit-wide outage due to an equipment failure.

Circuit 4101

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspections in 2022. This circuit is scheduled for overhead and underground detail inspections in 2026 and an intrusive inspection in 2027.

The first outage occurred due to protection relaying isolating the autotransformer at Liberty's #312 – Ozark Dam – Powersite substation. The incident cause was not discovered, however the transformer was thoroughly tested and is in good condition. Revisions to the relaying logic were implemented for a more robust design. The second outage occurred because of operational error.

The 39-0 line that feeds the Forsyth – North substation is currently planned to be rebuilt and upgraded to 161 kV. This upgrade is a part of a systemic transmission upgrade at the request of the Southwest Power Pool (SPP). The Forsyth – North substation is currently served radially and this line rebuild will allow the substation to be fed from two sources.

Circuit 3181

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspection in 2019. This circuit is scheduled for overhead and underground detail inspections in 2025 and an intrusive inspection in 2026.

Circuit 3181 experienced two circuit-wide outages in 2024. The first circuit-wide outage was caused by equipment failure. The second circuit-wide outage occurred when the circuit breaker



did not properly reclose during a fault. The circuit breaker was evaluated and testing indicated it to be in good operating condition.

Circuit 1523

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspections in 2020 and an intrusive inspection in 2021. This circuit is scheduled for overhead and underground patrol inspections in 2024 and an intrusive inspection in 2027.

Circuit 1523 experienced two circuit-wide outages and two other large-scale outages. The first circuit-wide outage was caused by a pole failure. The pole failure did not cause the outage, however circuit 1523 had to be de-energized to safely replace the pole. The second circuit-wide outage was caused by weather. A three-phase recloser experienced an outage on two separate occasions. Once due to weather and another due to a vehicle striking a pole.

Circuit 3311

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2026.

This circuit received an overhead detail inspection in 2020 and an underground detail inspection in 2021. This circuit is scheduled for a patrol inspection in 2025 an intrusive inspection in 2027.

Circuit 3311 experienced two circuit-wide outages. The first circuit-wide outage was caused by a malfunctioning relay. The relay was thoroughly tested and is in proper working condition. The other circuit-wide outage was caused by a vehicle striking a pole.



Multi-Year Worst Performing Circuits

Liberty has identified four multi-year worst performing circuits in accordance with Rule 20 CSR 4240-23.010(8). To improve the performance of the circuits, Liberty adopted a corrective action plan that includes the following activities:

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

The multi-year worst performing circuits are indicated in the chart below and are ranked according to their 2024 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

2024 Multi-Year Worst Performing Circuits

Location	Circuit Number	SAIFI		
		2022	2023	2024
Reeds Spring – 161 KV	2951	3.615	0.744	6.084
Forsyth – North	4101	2.606	1.431	2.89
Monett – H.T.	1523	0.784	5.432	2.83
Buffalo – North	4092	3.144	3.032	1.178



Circuit 2951

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2027.

This circuit received an overhead and underground patrol inspection in 2022 and an intrusive inspection in 2022. This circuit is scheduled for overhead and underground patrol inspections in 2028.

Circuit 2951 was a Missouri Worst Performing Circuit (WPC) in 2022 and 2024. Liberty did not identify consistencies in outage causes from 2022 to 2024. In 2022, Circuit 2951 had wildlife issues that were addressed via an initiative to provide wildlife cover-up and alternative nesting habitats for ospreys attempting to nest on Liberty's equipment. This circuit also had several small vegetation outages which were addressed via routine vegetation inspection and maintenance.

In 2024, Circuits 2951 and 2952 both experienced four transmission related outages affecting the entire Reeds Spring – 161 kV substation. One incident occurred when Liberty crews attempted to operate a transmission switch but it was unable to perform the necessary load-breaking function. Liberty has adjusted operational procedures to prevent future similar incidents. A second transmission outage occurred due to an unidentified fault on Liberty's 161 kV line serving the #295 – Reeds Spring substation. Liberty crews patrolled the line however the root cause was not discovered. The line was successfully re-energized and has not experienced a recurrence.

Due to system configuration, Liberty's #295 – Reeds Spring substation experiences an outage when an outage or fault occurs at Associated Electric Cooperative's (AEC) #424 – Reeds Spring substation. Two faults originating in AEC's equipment resulted in two substation outages of #424 – Reeds Spring which caused a loss of supply to Liberty's #295 – Reeds Spring substation.

This circuit also experienced three large-scale outages. One incident affected the circuit breaker due to a vehicle hitting a pole. Another two incidents occurred on a three-phase recloser due to weather.

Circuit 4101

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.



This circuit received overhead and underground detail inspections in 2022. This circuit is scheduled for overhead and underground detail inspections in 2026 and an intrusive inspection in 2027.

Circuit 4101 was a Missouri WPC in 2022 and 2024. This circuit experienced two circuit-wide outages due to vehicles striking poles. These incidents were located near the substation and outage scope reduction via sectionalization could not occur.

The first outage occurred due to protection relaying isolating the autotransformer at Liberty's #312 – Ozark Dam – Powersite substation. The incident cause was not discovered, however the transformer was thoroughly tested and is in good condition. Revisions to the relaying logic were implemented for a more robust design. The second outage occurred because of operational error.

The 39-0 line that feeds the Forsyth – North substation is currently planned to be rebuilt and upgraded to 161 kV. This upgrade is a part of a systemic transmission upgrade at the request of SPP. The Forsyth – North substation is currently served radially and this line rebuild will allow the substation to be fed from two sources.

Circuit 1523

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received overhead and underground detail inspections in 2020 and an intrusive inspection in 2021. This circuit is scheduled for overhead and underground patrol inspections in 2024 and an intrusive inspection in 2027.

Circuit 1523 received five circuit-wide outages in 2023. Two of the circuit-wide outages were caused by wildlife, two of the circuit-wide outages were caused by weather, and the final circuit-wide outage was caused by a vehicle hitting a pole.

In 2024, circuit 1523 experienced two circuit-wide outages and two other large-scale outages. The first circuit-wide outage was caused by a pole failure. The pole failure did not cause the outage, however circuit 1523 had to be de-energized to safely replace the pole. The second circuit-wide outage was caused by weather. A three-phase recloser experienced an outage on two separate occasions. Once due to weather and another due to a vehicle striking a pole.



This circuit is being analyzed for potential sectionalization and other reliability enhancements.

Circuit 4092

Vegetation maintenance was performed in 2024 and is scheduled to be performed in 2025.

This circuit received both overhead and underground detail inspections in 2020. This circuit is scheduled for both overhead and underground detail inspections in 2026 and an intrusive inspection in 2029.

This circuit was impacted by defective automatic transmission switching equipment in 2022. The transmission system did not properly isolate two faults causing two substation-wide outages. Liberty contacted the manufacturer about a defective control panel which controls the automatic transmission switching. The defective equipment has been replaced and the issue is now resolved. There were no transmission outages in 2023 as a result of this remediation.

This circuit experienced three circuit-wide outages due to varying issues in 2023. Liberty is currently monitoring this circuit for its reliability performance.



Monthly Indices Reports

Liberty appends monthly indices reports every year to the end of the MPSC Annual Reliability Report. The Indices reports detail the monthly Indices values for every circuit and the totals for the state of Missouri for each month. These Indices reports include customer interrupted (CI), customer minutes interrupted (CMI), outage hours experienced, customer counts, SAIFI, SAIDI, CAIDI, CAIFI, and ASAI calculations. In mid-April of 2024, Liberty implemented a new Outage Management Systems (OMS). For this reason, Liberty will present two indices reports for the month of April, one for the beginning of April before this OMS transition occurred and the other for after the new OMS implementation.

The total number of customers displayed is reduced beginning April 22nd due to a change in the method used to count customers. This revision has occurred as a part of Liberty's implementation of the new OMS. Liberty's legacy OMS contained all service points, including service points that may be in a transition tenancy, which resulted in temporary meter vacancy. Liberty's reliability calculations for number of customers by circuit may have included service points that did not have an active meter assignment. Liberty's new outage system reports a count of only active meters by circuit. Liberty believes this revision provides greater accuracy, while having no impact on the reliability calculations, but does result in a lower customer count.

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2024 to 1/31/2024
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	1.90	1	114	568	0.002	114.00	0.20	1.000	0.99999
1052	1	0.22	1	13	1,216	0.001	13.00	0.01	1.000	0.99999
1082	1	2.97	1	178	1,438	0.001	178.00	0.12	1.000	0.99999
1092	2	5.27	337	58,489	1,060	0.318	173.56	55.18	1.000	0.99876
1102	1	5.68	39	13,302	1,128	0.035	341.08	11.79	1.000	0.99974
1104	1	0.55	19	641	206	0.092	33.74	3.11	1.000	0.99993
1141	1	3.50	12	2,526	922	0.013	210.50	2.74	1.000	0.99994
1211	1	1.78	1	107	1,532	0.001	107.00	0.07	1.000	0.99999
1212	1	0.82	6	295	356	0.017	49.17	0.83	1.000	0.99998
1213	1	2.57	1	154	582	0.002	154.00	0.26	1.000	0.99999
1230	2	6.25	14	1,226	1,176	0.012	87.57	1.04	1.077	0.99998
1233	1	0.35	1	21	742	0.001	21.00	0.03	1.000	0.99999
1243	4	5.25	34	2,754	1,273	0.027	81.00	2.16	2.833	0.99995
1271	1	3.27	2	392	1,008	0.002	196.00	0.39	1.000	0.99999
1285	1	3.53	1	212	1,136	0.001	212.00	0.19	1.000	0.99999
1312	2	3.03	8	917	1,002	0.008	114.63	0.92	1.000	0.99998
1452	1	1.75	7	738	476	0.015	105.43	1.55	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
1523	6	7.12	806	65,015	782	1.031	80.66	83.14	1.031	0.99814
1841	1	3.30	658	130919	658	1.000	198.97	198.97	1.000	0.99554
1842	1	3.28	310	61,168	310	1.000	197.32	197.32	1.000	0.99558
1843	8	15.09	2,174	256,790	1,155	1.882	118.12	222.33	2.150	0.99502
2171	1	4.22	1	253	604	0.002	253.00	0.42	1.000	0.99999
2172	1	8.42	26	13,130	256	0.102	505.00	51.29	1.000	0.99885
2212	1	2.03	1	122	1,488	0.001	122.00	0.08	1.000	0.99999
2491	1	0.83	1	50	66	0.015	50.00	0.76	1.000	0.99998
2841	2	1.76	409	21,744	400	1.023	53.16	54.36	1.068	0.99878
2921	7	14.17	410	56,988	406	1.010	139.00	140.36	1.694	0.99686
2951	6	12.70	97	12,517	1,280	0.076	129.04	9.78	1.940	0.99978
3122	2	2.83	64	7,191	902	0.071	112.36	7.97	1.000	0.99982
3123	1	0.90	1	54	1,154	0.001	54.00	0.05	1.000	0.99999
3181	4	6.59	954	57220	782	1.220	59.98	73.17	1.219	0.99836
3221	1	0.88	3	159	1,306	0.002	53.00	0.12	1.000	0.99999
3304	3	7.61	1,219	325984	1,195	1.020	267.42	272.79	1.020	0.99388
3311	3	6.32	582	163,213	559	1.041	280.43	291.97	1.041	0.99346
3313	2	4.71	10	1,419	1,566	0.006	141.90	0.91	2.000	0.99998
3423	1	1.97	1	118	408	0.002	118.00	0.29	1.000	0.99999
3471	3	1.42	3	85	508	0.006	28.33	0.17	1.000	0.99999
3472	2	2.70	21	1,642	1,356	0.015	78.19	1.21	1.000	0.99997
3552	1	1.05	6	383	593	0.010	63.83	0.65	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
3553	7	12.29	10	1,268	894	0.011	126.80	1.42	1.250	0.99997
3592	2	2.36	87	1,867	1,850	0.047	21.46	1.01	1.000	0.99998
3621	1	0.63	1	38	1,642	0.001	38.00	0.02	1.000	0.99999
3661	1	1.15	1,112	77,543	1,116	0.996	69.73	69.48	1.000	0.99844
3662	1	0.73	10	447	907	0.011	44.70	0.49	1.000	0.99999
3671	2	3.05	35	4,180	681	0.051	119.43	6.14	1.129	0.99986
3701	1	3.33	1	200	577	0.002	200.00	0.35	1.000	0.99999
3702	2	0.84	64	1,650	753	0.085	25.78	2.19	2.000	0.99995
3871	1	0.60	6	216	1,106	0.005	36.00	0.20	1.000	0.99999
3873	2	2.62	15	1,019	827	0.018	67.93	1.23	1.000	0.99997
3893	2	2.37	2	142	1,220	0.002	71.00	0.12	1.000	0.99999
3901	1	0.68	1	41	894	0.001	41.00	0.05	1.000	0.99999
3903	1	1.87	1	112	318	0.003	112.00	0.35	1.000	0.99999
3913	1	0.58	90	3,197	989	0.091	35.52	3.23	1.000	0.99993
3952	1	1.65	1	99	930	0.001	99.00	0.11	1.000	0.99999
3981	5	6.88	1,983	244,738	1,604	1.236	123.42	152.58	1.579	0.99658
3982	1	4.23	1	254	1,844	0.001	254.00	0.14	1.000	0.99999
3991	2	1.77	7	429	775	0.009	61.29	0.55	1.000	0.99999
4091	5	9.90	51	5,827	1,224	0.042	114.25	4.76	1.020	0.99989
4092	1	1.43	1	86	469	0.002	86.00	0.18	1.000	0.99999
4101	6	15.86	78	20,407	995	0.078	261.63	20.51	1.013	0.99954
4102	1	1.32	332	26,526	578	0.574	79.90	45.89	1.000	0.99897

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4134	1	0.58	6	211	896	0.007	35.17	0.24	1.000	0.99999
4137	8	12.14	44	3,274	824	0.053	74.41	3.97	1.048	0.99991
4138	1	1.40	1	84	741	0.001	84.00	0.11	1.000	0.99999
4141	1	0.93	1	56	86	0.012	56.00	0.65	1.000	0.99999
4172	1	0.78	28	1,328	1,912	0.015	47.43	0.69	1.000	0.99998
4173	1	0.33	1	20	699	0.001	20.00	0.03	1.000	0.99999
4181	2	4.93	14	2,082	804	0.017	148.71	2.59	2.000	0.99994
4212	2	1.95	56	3,632	1,110	0.050	64.86	3.27	1.000	0.99993
4223	1	0.28	49	846	1,147	0.043	17.27	0.74	1.000	0.99998
4303	1	0.60	1	36	1,436	0.001	36.00	0.03	1.000	0.99999
4311	1	0.10	1	6	768	0.001	6.00	0.01	1.000	0.99999
4312	1	1.22	220	16,261	950	0.232	73.91	17.12	1.000	0.99962
4313	4	6.56	13	1,188	566	0.023	91.38	2.10	2.600	0.99995
4323	2	4.83	69	10,340	298	0.232	149.86	34.70	1.015	0.99922
4341	1	1.58	189	18,087	1,908	0.099	95.70	9.48	1.000	0.99979
4343	2	1.44	50	2,027	1,725	0.029	40.54	1.18	1.000	0.99997
4344	2	3.25	4	393	372	0.011	98.25	1.06	1.000	0.99998
4361	2	1.72	2,387	159,122	1,720	1.388	66.66	92.51	1.386	0.99792
4362	1	1.55	852	79,619	852	1.000	93.45	93.45	1.000	0.99791
4363	2	3.05	708	75,537	708	1.000	106.69	106.69	1.004	0.99761
4364	3	5.47	937	124,282	894	1.048	132.64	139.02	1.870	0.99689
4371	1	2.27	1	136	1,592	0.001	136.00	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
4372	2	3.42	28	2,167	446	0.063	77.39	4.86	1.037	0.99989
4373	1	2.28	5	685	810	0.006	137.00	0.85	1.000	0.99998
4385	1	1.43	1	86	1,164	0.001	86.00	0.07	1.000	0.99999
4431	4	7.90	92	9,935	1,458	0.063	107.99	6.81	1.136	0.99985
4432	1	1.90	4	458	492	0.008	114.50	0.93	1.000	0.99998
4511	2	1.49	38	1,763	1,149	0.033	46.39	1.53	1.000	0.99997
4601	4	5.69	15	2,176	417	0.036	145.07	5.22	1.000	0.99988
4602	2	2.38	34	2,323	988	0.034	68.32	2.35	1.063	0.99995
4692	2	2.33	58	6,031	510	0.114	103.98	11.83	1.000	0.99974
4712	1	0.75	3	135	138	0.022	45.00	0.98	1.000	0.99998
4783	2	4.10	22	3,195	261	0.084	145.23	12.24	1.048	0.99973
4891	3	1.53	746	21,517	606	1.231	28.84	35.51	1.231	0.99920
4892	2	2.91	333	11,021	334	0.997	33.10	33.00	1.003	0.99926
4902	1	0.38	1	23	1,229	0.001	23.00	0.02	1.000	0.99999
4906	1	4.43	10	2,665	1,321	0.008	266.50	2.02	1.000	0.99995
5601	1	0.77	1	46	1,324	0.001	46.00	0.03	1.000	0.99999
5603	1	0.87	25	1,304	1,545	0.016	52.16	0.84	1.000	0.99998
5901	1	0.85	1	51	940	0.001	51.00	0.05	1.000	0.99999
5902	3	3.35	54	4,512	980	0.055	83.56	4.60	1.019	0.99990
6022	3	8.23	7	1,052	607	0.012	150.29	1.73	1.000	0.99996
6403	1	0.85	1	51	270	0.004	51.00	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	208	349.53	19,242	2,218,292	178,964	0.108	115.28	12.40	1.212	0.99972

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2024 to 2/29/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	2.21	1,935	63,129	1,842	1.050	32.62	34.27	1.051	0.99918
1052	2	3.85	33	3,576	1,218	0.027	108.36	2.94	1.000	0.99993
1082	5	4.92	20	1,176	1,438	0.014	58.80	0.82	1.000	0.99998
1092	23	21.50	540	29,747	1,061	0.509	55.09	28.04	1.125	0.99933
1094	1	0.50	9	278	1,398	0.006	30.89	0.20	1.000	0.99999
1102	3	12.01	40	19,882	1,125	0.036	497.05	17.67	1.000	0.99958
1104	1	2.05	5	615	207	0.024	123.00	2.97	1.000	0.99993
1230	1	1.07	1	64	1,177	0.001	64.00	0.05	1.000	0.99999
1233	1	0.93	67	3,801	739	0.091	56.73	5.14	1.000	0.99988
1241	1	1.07	94	6,023	908	0.104	64.07	6.63	1.000	0.99984
1242	1	1.53	1	92	863	0.001	92.00	0.11	1.000	0.99999
1243	3	8.49	14	3,171	1,284	0.011	226.50	2.47	1.000	0.99994
1273	3	1.60	38	1,080	881	0.043	28.42	1.23	1.027	0.99997
1282	1	1.12	1	67	698	0.001	67.00	0.10	1.000	0.99999
1312	3	5.35	35	4,280	1,003	0.035	122.29	4.27	1.061	0.99990
1451	1	3.57	1	214	586	0.002	214.00	0.37	1.000	0.99999
1452	1	1.37	1	82	477	0.002	82.00	0.17	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1453	3	8.74	48	8,352	1,846	0.026	174.00	4.52	1.021	0.99989
1454	3	1.47	77	3,026	974	0.079	39.30	3.11	2.026	0.99993
1455	1	1.68	1	101	428	0.002	101.00	0.24	1.000	0.99999
1521	2	4.07	3	432	396	0.008	144.00	1.09	1.000	0.99997
1523	1	2.05	1	123	782	0.001	123.00	0.16	1.000	0.99999
1843	2	1.78	9	764	1,158	0.008	84.89	0.66	1.125	0.99998
2621	1	1.02	1	61	1,238	0.001	61.00	0.05	1.000	0.99999
2843	1	0.52	1	31	176	0.006	31.00	0.18	1.000	0.99999
2951	4	4.09	2,570	99,797	1,281	2.006	38.83	77.91	2.006	0.99813
2952	2	1.26	778	30,024	389	2.000	38.59	77.18	2.000	0.99815
3122	2	1.00	34	984	904	0.038	28.94	1.09	1.000	0.99997
3123	2	2.60	11	776	1,155	0.010	70.55	0.67	1.100	0.99998
3221	3	5.17	15	1,359	1,308	0.011	90.60	1.04	1.071	0.99998
3222	1	1.42	8	684	810	0.010	85.50	0.84	1.000	0.99998
3302	1	0.45	3	83	731	0.004	27.67	0.11	1.000	0.99999
3303	1	0.88	7	373	1,519	0.005	53.29	0.25	1.000	0.99999
3304	1	0.80	4	194	1,198	0.003	48.50	0.16	1.000	0.99999
3311	2	1.83	203	11,155	559	0.363	54.95	19.96	1.000	0.99952
3312	1	0.77	1	46	473	0.002	46.00	0.10	1.000	0.99999
3471	1	1.27	6	461	508	0.012	76.83	0.91	1.000	0.99998
3472	1	2.00	5	600	1,356	0.004	120.00	0.44	1.000	0.99999
3551	1	0.92	22	1,230	1,054	0.021	55.91	1.17	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
3592	1	0.42	14	360	1,851	0.008	25.71	0.19	1.000	0.99999
3621	1	0.82	1	49	1,625	0.001	49.00	0.03	1.000	0.99999
3661	1	0.35	418	9,115	1,112	0.376	21.81	8.20	1.000	0.99980
3662	3	1.67	4	112	908	0.004	28.00	0.12	1.000	0.99999
3702	1	1.18	18	1,290	761	0.024	71.67	1.70	1.000	0.99996
3751	3	3.69	66	5,920	941	0.070	89.70	6.29	1.015	0.99985
3872	2	2.76	57	4,770	1,230	0.046	83.68	3.88	1.018	0.99991
3878	1	1.67	1	100	903	0.001	100.00	0.11	1.000	0.99999
3892	2	3.67	2	220	559	0.004	110.00	0.39	1.000	0.99999
3893	1	0.48	1	29	1,222	0.001	29.00	0.02	1.000	0.99999
3901	2	4.66	10	1,404	893	0.011	140.40	1.57	2.000	0.99996
3912	1	5.23	6	1,889	1,440	0.004	314.83	1.31	1.000	0.99997
3952	2	3.10	67	9,742	932	0.072	145.40	10.45	1.015	0.99975
3953	2	3.68	12	1,617	551	0.022	134.75	2.93	1.000	0.99993
3971	1	1.47	627	55,395	712	0.881	88.35	77.80	1.000	0.99814
3981	3	2.05	32	1,334	1,606	0.020	41.69	0.83	1.000	0.99998
3982	3	6.68	256	23,068	1,846	0.139	90.11	12.50	1.012	0.99970
3991	1	0.92	20	1,114	777	0.026	55.70	1.43	1.000	0.99997
3992	1	1.03	1	62	175	0.006	62.00	0.35	1.000	0.99999
4031	1	1.57	724	68,466	724	1.000	94.57	94.57	1.000	0.99774
4091	1	4.43	1	266	1,227	0.001	266.00	0.22	1.000	0.99999
4132	1	0.88	1	53	576	0.002	53.00	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
4133	2	2.68	2	161	706	0.003	80.50	0.23	1.000	0.99999
4134	1	2.57	1	154	897	0.001	154.00	0.17	1.000	0.99999
4137	9	6.85	49	2,256	824	0.059	46.04	2.74	1.021	0.99993
4138	1	0.68	1	41	730	0.001	41.00	0.06	1.000	0.99999
4142	3	6.63	3	398	627	0.005	132.67	0.63	1.000	0.99998
4171	1	1.85	29	3,243	1,220	0.024	111.83	2.66	1.000	0.99994
4172	1	0.88	1	53	1,915	0.001	53.00	0.03	1.000	0.99999
4181	1	2.08	1	125	807	0.001	125.00	0.15	1.000	0.99999
4222	1	0.95	1	57	1,089	0.001	57.00	0.05	1.000	0.99999
4224	2	7.16	108	13,248	782	0.138	122.67	16.94	1.000	0.99959
4304	1	0.15	1	9	246	0.004	9.00	0.04	1.000	0.99999
4311	1	0.78	36	1,705	773	0.047	47.36	2.21	1.000	0.99995
4312	1	1.30	14	1,092	955	0.015	78.00	1.14	1.000	0.99997
4323	1	0.88	47	2,515	290	0.162	53.51	8.67	1.000	0.99979
4341	5	0.82	5	49	1,919	0.003	9.80	0.03	1.000	0.99999
4343	1	1.45	1	87	1,730	0.001	87.00	0.05	1.000	0.99999
4361	4	7.10	1,727	102,669	1,726	1.001	59.45	59.48	2.589	0.99858
4362	1	1.48	1	89	853	0.001	89.00	0.10	1.000	0.99999
4371	1	3.87	11	2,557	1,593	0.007	232.45	1.61	1.000	0.99996
4431	2	2.49	461	32,267	1,462	0.315	69.99	22.07	1.060	0.99947
4432	2	8.80	31	7,158	496	0.063	230.90	14.43	1.033	0.99965
4511	1	1.15	1	69	1,149	0.001	69.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	2	7.77	12	1,107	987	0.012	92.25	1.12	1.091	0.99997
4692	5	6.04	121	8,256	511	0.237	68.23	16.16	1.186	0.99961
4714	1	0.93	1	56	362	0.003	56.00	0.15	1.000	0.99999
4794	1	0.78	1	47	396	0.003	47.00	0.12	1.000	0.99999
4891	1	2.95	1	177	608	0.002	177.00	0.29	1.000	0.99999
4902	1	0.53	1	32	1,229	0.001	32.00	0.03	1.000	0.99999
4905	1	0.55	1	33	407	0.002	33.00	0.08	1.000	0.99999
4981	1	1.32	7	558	190	0.037	79.71	2.94	1.000	0.99993
5601	1	4.45	16	4,273	1,329	0.012	267.06	3.22	1.000	0.99992
5602	2	0.85	13	294	721	0.018	22.62	0.41	1.000	0.99999
5904	1	1.18	1	71	1,310	0.001	71.00	0.05	1.000	0.99999
6021	3	1.97	3	118	1,397	0.002	39.33	0.08	1.000	0.99999
6404	1	0.72	1	43	76	0.013	43.00	0.57	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	192	263.98	11,693	669,375	180,208	0.065	57.25	3.71	1.343	0.99991

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2024 to 3/31/2024
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	2.16	3	130	1,842	0.002	43.33	0.07	1.000	0.99999
1051	1	0.60	1	36	574	0.002	36.00	0.06	1.000	0.99999
1082	6	8.94	8	617	1,438	0.006	77.13	0.43	1.000	0.99999
1092	2	1.44	2	86	1,061	0.002	43.00	0.08	1.000	0.99999
1094	1	0.63	2	77	1,398	0.001	38.50	0.06	1.000	0.99999
1103	2	4.20	2	252	1,031	0.002	126.00	0.24	1.000	0.99999
1141	2	2.33	26	1,234	922	0.028	47.46	1.34	1.040	0.99997
1211	1	0.62	19	715	1,538	0.012	37.63	0.46	1.000	0.99999
1230	1	1.67	1,177	118,190	1,177	1.000	100.42	100.42	1.000	0.99775
1232	2	2.80	1,243	124,516	1,242	1.001	100.17	100.25	1.001	0.99775
1233	1	1.68	739	74,725	739	1.000	101.12	101.12	1.000	0.99773
1243	1	0.80	56	2,741	1,284	0.044	48.95	2.13	1.000	0.99995
1271	1	0.85	1	51	1,009	0.001	51.00	0.05	1.000	0.99999
1273	2	1.33	27	1,272	881	0.031	47.11	1.44	1.000	0.99997
1451	1	0.85	1	51	586	0.002	51.00	0.09	1.000	0.99999
1455	1	1.00	1	60	428	0.002	60.00	0.14	1.000	0.99999
1842	2	1.81	2	109	310	0.006	54.50	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
2211	2	1.47	22	959	749	0.029	43.59	1.28	1.000	0.99997
2622	1	0.92	1	55	122	0.008	55.00	0.45	1.000	0.99999
2921	1	0.55	15	497	406	0.037	33.13	1.22	1.000	0.99997
2951	4	7.63	1,396	113,198	1,281	1.090	81.09	88.37	1.090	0.99802
2952	3	4.73	804	79,712	389	2.067	99.14	204.92	2.067	0.99541
3122	2	2.23	30	2,292	904	0.033	76.40	2.54	1.000	0.99994
3181	1	1.32	7	557	785	0.009	79.57	0.71	1.000	0.99998
3221	2	1.90	2	114	1,308	0.002	57.00	0.09	1.000	0.99999
3301	3	5.63	8	838	773	0.010	104.75	1.08	1.000	0.99998
3302	2	2.08	50	3,433	731	0.068	68.66	4.70	1.020	0.99989
3303	1	1.50	7	630	1,519	0.005	90.00	0.41	1.000	0.99999
3311	1	3.63	559	121,927	559	1.000	218.12	218.12	1.000	0.99511
3315	2	3.51	20	1,847	1,650	0.012	92.35	1.12	1.000	0.99997
3422	1	1.30	1	78	1,017	0.001	78.00	0.08	1.000	0.99999
3471	2	2.08	2	125	508	0.004	62.50	0.25	1.000	0.99999
3472	1	1.63	1	98	1,356	0.001	98.00	0.07	1.000	0.99999
3551	3	7.75	14	2,968	1,054	0.013	212.00	2.82	1.000	0.99994
3592	2	5.67	11	2,777	1,851	0.006	252.45	1.50	1.000	0.99997
3594	1	1.20	25	1,815	956	0.026	72.60	1.90	1.000	0.99996
3661	2	0.75	2	45	1,112	0.002	22.50	0.04	1.000	0.99999
3662	1	0.78	4	191	908	0.004	47.75	0.21	1.000	0.99999
3663	2	1.90	3	167	322	0.009	55.67	0.52	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
3671	5	10.93	115	15,750	683	0.168	136.96	23.06	1.045	0.99948
3751	5	4.10	91	4,734	941	0.097	52.02	5.03	1.011	0.99989
3871	1	0.60	1	36	1,107	0.001	36.00	0.03	1.000	0.99999
3872	1	0.98	1	59	1,230	0.001	59.00	0.05	1.000	0.99999
3893	4	3.96	97	4,437	1,222	0.079	45.74	3.63	1.010	0.99992
3894	1	0.73	1	44	167	0.006	44.00	0.26	1.000	0.99999
3901	1	2.37	893	127,044	893	1.000	142.27	142.27	1.000	0.99681
3903	1	0.47	11	310	318	0.035	28.18	0.97	1.000	0.99998
3912	1	0.87	11	582	1,440	0.008	52.91	0.40	1.000	0.99999
3913	3	2.99	116	3,782	990	0.117	32.60	3.82	1.018	0.99991
3951	3	3.02	23	2,206	975	0.024	95.91	2.26	1.045	0.99995
3952	3	2.19	12	376	932	0.013	31.33	0.40	1.200	0.99999
3981	2	1.50	2	90	1,606	0.001	45.00	0.06	1.000	0.99999
3982	1	0.93	1	56	1,846	0.001	56.00	0.03	1.000	0.99999
4031	1	2.37	6	855	724	0.008	142.50	1.18	1.000	0.99997
4092	2	2.71	5	487	470	0.011	97.40	1.04	1.000	0.99998
4101	2	0.92	81	3,755	997	0.081	46.36	3.77	1.013	0.99992
4142	2	3.01	18	1,520	627	0.029	84.44	2.42	1.059	0.99995
4154	1	4.85	1	291	1,507	0.001	291.00	0.19	1.000	0.99999
4155	1	1.65	38	3,796	1,769	0.021	99.89	2.15	1.000	0.99995
4171	1	0.87	10	528	1,220	0.008	52.80	0.43	1.000	0.99999
4172	3	8.43	20	3,984	1,915	0.010	199.20	2.08	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
4173	2	18.07	2	1,084	701	0.003	542.00	1.55	1.000	0.99997
4181	1	1.37	10	823	807	0.012	82.30	1.02	1.000	0.99998
4211	1	2.08	1	125	827	0.001	125.00	0.15	1.000	0.99999
4222	2	3.18	8	709	1,089	0.007	88.63	0.65	1.000	0.99999
4313	2	3.07	301	21,821	570	0.528	72.50	38.28	1.000	0.99914
4321	1	1.23	1	74	651	0.002	74.00	0.11	1.000	0.99999
4322	1	0.65	3	118	3	1.000	39.33	39.33	1.000	0.99912
4332	1	1.28	7	543	424	0.017	77.57	1.28	1.000	0.99997
4341	9	16.16	2,002	348,879	1,919	1.043	174.27	181.80	1.043	0.99593
4343	3	4.00	101	7,581	1,730	0.058	75.06	4.38	1.403	0.99990
4344	2	8.67	62	25,868	373	0.166	417.23	69.35	1.051	0.99845
4364	1	0.85	1	51	906	0.001	51.00	0.06	1.000	0.99999
4372	1	1.97	1	118	448	0.002	118.00	0.26	1.000	0.99999
4373	5	6.41	21	1,991	811	0.026	94.81	2.45	1.105	0.99995
4431	1	1.68	1	101	1,462	0.001	101.00	0.07	1.000	0.99999
4602	1	0.85	1	51	987	0.001	51.00	0.05	1.000	0.99999
4692	1	3.67	1	220	511	0.002	220.00	0.43	1.000	0.99999
4791	1	0.72	1	43	655	0.002	43.00	0.07	1.000	0.99999
4891	1	2.92	1	175	608	0.002	175.00	0.29	1.000	0.99999
4892	1	2.98	332	59,455	332	1.000	179.08	179.08	1.000	0.99599
4903	1	0.47	1	28	174	0.006	28.00	0.16	1.000	0.99999
4907	1	2.80	84	14,172	84	1.000	168.71	168.71	1.000	0.99622

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4981	1	2.45	114	16,849	190	0.600	147.80	88.68	1.000	0.99801
5603	2	1.07	17	765	1,553	0.011	45.00	0.49	1.000	0.99999
5904	2	3.46	46	4,602	1,310	0.035	100.04	3.51	1.000	0.99992
6021	2	4.65	2	279	1,397	0.001	139.50	0.20	1.000	0.99999
6024	1	3.40	12	2,458	402	0.030	204.83	6.11	1.000	0.99986
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	163	254.43	10,982	1,342,890	180,208	0.061	122.28	7.45	1.064	0.99983

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2024 to 4/22/2024
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	11.86	1,843	84,217	1,842	1.001	45.70	45.72	1.001	0.99894
1052	2	1.50	199	8,512	1,218	0.163	42.77	6.99	1.005	0.99984
1081	1	12.18	1	731	20	0.050	731.00	36.55	1.000	0.99915
1082	5	21.52	26	3,340	1,438	0.018	128.46	2.32	1.000	0.99995
1091	4	2.87	68	2,923	850	0.080	42.99	3.44	1.030	0.99992
1092	2	7.19	2	431	1,061	0.002	215.50	0.41	1.000	0.99999
1093	1	0.97	4	235	238	0.017	58.75	0.99	1.000	0.99998
1101	2	2.57	182	18,152	169	1.077	99.74	107.41	1.077	0.99751
1102	5	10.37	1,166	131,334	1,125	1.036	112.64	116.74	1.036	0.99730
1103	3	2.86	1,054	107,975	1,031	1.022	102.44	104.73	1.022	0.99758
1104	1	1.72	207	21,327	207	1.000	103.03	103.03	1.000	0.99762
1211	1	0.43	1	26	1,538	0.001	26.00	0.02	1.000	0.99999
1213	1	0.67	1	40	582	0.002	40.00	0.07	1.000	0.99999
1230	1	4.20	18	4,547	1,177	0.015	252.61	3.86	1.000	0.99991
1233	1	0.88	15	801	739	0.020	53.40	1.08	1.000	0.99997
1241	1	0.58	56	1,963	908	0.062	35.05	2.16	1.000	0.99995
1243	1	1.70	22	2,254	1,284	0.017	102.45	1.76	1.000	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	3	2.92	280	11,141	1,009	0.278	39.79	11.04	1.057	0.99974
1273	1	0.78	80	3,813	881	0.091	47.66	4.33	1.000	0.99990
1281	1	0.28	1	17	179	0.006	17.00	0.09	1.000	0.99999
1285	1	5.17	55	17,055	1,136	0.048	310.09	15.01	1.000	0.99965
1453	2	5.65	2	339	1,846	0.001	169.50	0.18	1.000	0.99999
1454	2	8.54	975	177,095	974	1.001	181.64	181.82	1.001	0.99579
1523	1	0.97	1	58	782	0.001	58.00	0.07	1.000	0.99999
1843	2	4.58	47	6,148	1,158	0.041	130.81	5.31	1.000	0.99988
2052	1	1.12	1	67	88	0.011	67.00	0.76	1.000	0.99998
2092	2	2.10	2	126	973	0.002	63.00	0.13	1.000	0.99999
2171	3	10.89	605	111,461	604	1.002	184.23	184.54	1.003	0.99573
2212	3	3.55	127	6,962	1,495	0.085	54.82	4.66	1.008	0.99989
2501	1	1.58	79	7,473	84	0.940	94.59	88.96	1.000	0.99794
2511	1	3.00	633	114,024	633	1.000	180.13	180.13	1.000	0.99583
2621	3	6.50	18	2,403	1,238	0.015	133.50	1.94	1.059	0.99996
2951	1	1.20	38	2,766	1,281	0.030	72.79	2.16	1.000	0.99995
2961	1	0.85	654	33,822	662	0.988	51.72	51.09	1.000	0.99882
2962	1	1.33	1	80	264	0.004	80.00	0.30	1.000	0.99999
3221	1	1.03	18	1,116	1,308	0.014	62.00	0.85	1.000	0.99998
3222	2	6.58	2	395	810	0.002	197.50	0.49	1.000	0.99999
3304	1	1.22	1,198	87,633	1,198	1.000	73.15	73.15	1.000	0.99831
3421	1	1.83	314	34,550	314	1.000	110.03	110.03	1.000	0.99745

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3422	4	5.65	556	64,187	1,017	0.547	115.44	63.11	1.005	0.99854
3423	3	7.55	411	47,876	409	1.005	116.49	117.06	1.005	0.99729
3472	3	1.73	1,357	44,630	1,356	1.001	32.89	32.91	1.007	0.99924
3552	2	3.45	37	3,972	595	0.062	107.35	6.68	1.000	0.99985
3591	2	6.70	45	3,635	1,639	0.027	80.78	2.22	1.023	0.99995
3592	2	2.86	54	5,000	1,851	0.029	92.59	2.70	1.019	0.99994
3621	2	3.91	15	2,644	1,625	0.009	176.27	1.63	1.071	0.99996
3661	5	15.72	33	10,930	1,112	0.030	331.21	9.83	1.000	0.99977
3662	2	4.93	30	3,484	908	0.033	116.13	3.84	1.000	0.99991
3663	1	2.12	1	127	322	0.003	127.00	0.39	1.000	0.99999
3664	1	1.13	71	4,871	593	0.120	68.61	8.21	1.000	0.99981
3701	2	1.67	59	4,375	603	0.098	74.15	7.26	1.017	0.99983
3751	2	2.13	5	435	941	0.005	87.00	0.46	1.000	0.99999
3871	1	0.60	6	220	1,107	0.005	36.67	0.20	1.000	0.99999
3872	4	2.40	5	178	1,230	0.004	35.60	0.14	1.250	0.99999
3873	1	0.88	8	425	828	0.010	53.13	0.51	1.000	0.99999
3878	1	1.50	896	80,804	903	0.992	90.18	89.48	1.000	0.99793
3892	1	5.05	1	303	559	0.002	303.00	0.54	1.000	0.99999
3893	3	7.20	39	2,948	1,222	0.032	75.59	2.41	1.054	0.99994
3894	1	0.77	3	140	167	0.018	46.67	0.84	1.000	0.99998
3903	1	5.27	28	8,859	318	0.088	316.39	27.86	1.000	0.99936
3912	1	2.20	1	132	1,440	0.001	132.00	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
3913	1	1.82	12	1,311	990	0.012	109.25	1.32	1.000	0.99997
3951	4	21.79	192	48,890	975	0.197	254.64	50.14	1.067	0.99884
3952	2	8.97	32	8,177	932	0.034	255.53	8.77	1.000	0.99980
3953	2	1.45	6	263	551	0.011	43.83	0.48	1.200	0.99999
3982	10	19.51	594	63,906	1,846	0.322	107.59	34.62	1.072	0.99920
3991	1	0.72	1	43	777	0.001	43.00	0.06	1.000	0.99999
4031	2	16.38	8	2,344	724	0.011	293.00	3.24	1.143	0.99993
4091	2	2.40	1,727	198,773	1,227	1.407	115.10	162.00	1.021	0.99625
4092	2	3.80	471	54,678	470	1.002	116.09	116.34	1.002	0.99731
4136	1	1.82	1	109	688	0.001	109.00	0.16	1.000	0.99999
4138	1	0.82	21	1,045	730	0.029	49.76	1.43	1.000	0.99997
4154	2	5.83	27	4,691	1,507	0.018	173.74	3.11	1.000	0.99993
4171	4	8.82	120	11,157	1,220	0.098	92.98	9.15	1.043	0.99979
4172	4	11.86	202	17,719	1,915	0.105	87.72	9.25	1.005	0.99979
4173	2	3.46	106	20,728	701	0.151	195.55	29.57	1.010	0.99932
4181	2	2.44	20	1,469	807	0.025	73.45	1.82	2.000	0.99996
4182	2	2.20	2	132	793	0.003	66.00	0.17	1.000	0.99999
4211	1	5.60	1	336	827	0.001	336.00	0.41	1.000	0.99999
4224	4	15.52	189	49,858	782	0.242	263.80	63.76	1.313	0.99852
4303	1	3.25	11	2,145	1,452	0.008	195.00	1.48	1.000	0.99997
4311	1	1.95	1	117	773	0.001	117.00	0.15	1.000	0.99999
4312	2	8.38	955	13,151	955	1.000	13.77	13.77	1.003	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
4313	2	6.40	7	1,974	570	0.012	282.00	3.46	1.000	0.99992
4321	1	0.45	1	27	651	0.002	27.00	0.04	1.000	0.99999
4323	2	5.40	69	10,844	290	0.238	157.16	37.39	1.015	0.99913
4327	1	1.05	64	4,056	107	0.598	63.38	37.91	1.000	0.99912
4341	4	7.25	70	6,844	1,919	0.036	97.77	3.57	1.029	0.99992
4343	2	1.40	81	3,448	1,730	0.047	42.57	1.99	1.000	0.99995
4344	3	1.67	43	1,597	373	0.115	37.14	4.28	1.024	0.99990
4361	2	7.50	55	8,019	1,726	0.032	145.80	4.65	1.019	0.99989
4362	4	13.75	8	2,042	853	0.009	255.25	2.39	1.000	0.99994
4363	1	5.12	30	9,234	705	0.043	307.80	13.10	1.000	0.99970
4364	1	1.42	1	85	906	0.001	85.00	0.09	1.000	0.99999
4373	1	0.85	1	51	811	0.001	51.00	0.06	1.000	0.99999
4385	3	3.55	1,183	97,230	1,166	1.015	82.19	83.39	1.015	0.99807
4386	1	1.40	1,667	140,972	1,667	1.000	84.57	84.57	1.000	0.99804
4431	2	3.55	2	213	1,462	0.001	106.50	0.15	1.000	0.99999
4511	3	3.51	14	1,123	1,149	0.012	80.21	0.98	1.000	0.99998
4512	1	2.72	1,233	201,122	1,233	1.000	163.12	163.12	1.000	0.99622
4602	2	4.75	63	7,549	987	0.064	119.83	7.65	1.000	0.99982
4692	2	4.72	2	283	511	0.004	141.50	0.55	1.000	0.99999
4714	1	0.65	1	39	362	0.003	39.00	0.11	1.000	0.99999
4784	2	2.87	2	172	404	0.005	86.00	0.43	1.000	0.99999
4793	1	1.18	1	71	809	0.001	71.00	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
4906	1	1.92	1	115	1,318	0.001	115.00	0.09	1.000	0.99999
5601	1	1.18	1	71	1,329	0.001	71.00	0.05	1.000	0.99999
5603	2	2.55	24	1,881	1,553	0.015	78.38	1.21	1.000	0.99997
5902	3	3.85	82	4,101	982	0.084	50.01	4.18	1.000	0.99990
5903	1	8.95	12	6,446	292	0.041	537.17	22.08	1.000	0.99949
5904	2	4.55	25	3,492	1,310	0.019	139.68	2.67	1.000	0.99994
5905	2	4.67	127	22,017	2,005	0.063	173.36	10.98	1.000	0.99975
6021	1	3.90	2	468	1,397	0.001	234.00	0.34	1.000	0.99999
6022	1	1.25	1	75	632	0.002	75.00	0.12	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	224	503.93	23,229	2,334,230	180,208	0.129	100.49	12.95	1.009	0.99970

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

04/22/2024 to 04/30/2024

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	1.27	7	527	574	0.012	75.22	0.92	1.000	0.99998
1052	2	1.23	9	132	1,218	0.007	14.67	0.11	1.000	0.99999
1082	2	4.12	34	4,204	1,438	0.024	123.64	2.92	2.000	0.99993
1092	2	5.60	2	335	1,061	0.002	167.56	0.32	1.000	0.99999
1094	2	3.68	57	6,938	1,398	0.041	121.73	4.96	1.000	0.99989
1102	2	2.95	2	177	1,125	0.002	88.38	0.16	1.000	0.99999
1103	1	1.35	1	81	1,031	0.001	81.43	0.08	1.000	0.99999
1142	1	2.82	24	4,050	159	0.151	168.73	25.47	1.000	0.99941
1211	1	.70	8	329	1,538	0.005	41.13	0.21	1.000	0.99999
1213	1	.70	1	42	582	0.002	41.98	0.07	1.000	0.99999
1230	1	2.65	3	477	1,177	0.003	159.10	0.41	1.000	0.99999
1232	2	2.83	6	572	1,242	0.005	95.31	0.46	1.000	0.99999
1241	1	1.10	9	599	908	0.010	66.55	0.66	1.000	0.99998
1242	2	3.30	2	197	863	0.002	98.70	0.23	1.000	0.99999
1271	1	1.72	1	103	1,009	0.001	102.70	0.10	1.000	0.99999
1273	2	2.07	2	124	881	0.002	62.13	0.14	1.000	0.99999
1282	1	.87	1	51	698	0.001	51.48	0.07	1.000	0.99999
1311	1	3.18	1	191	293	0.003	190.53	0.65	1.000	0.99998
1453	2	2.53	32	2,422	1,846	0.017	75.70	1.31	1.000	0.99997
1454	1	.30	1	18	974	0.001	17.68	0.02	1.000	0.99999
1521	1	1.10	1	65	396	0.003	65.25	0.16	1.000	0.99999
1522	1	1.00	2	119	110	0.018	59.37	1.08	1.000	0.99998
1523	1	2.40	1	144	782	0.001	143.97	0.18	1.000	0.99999
2051	1	.97	181	10,561	216	0.838	58.35	48.90	1.000	0.99887
2052	1	.88	83	4,395	88	0.943	52.95	49.94	1.000	0.99884
2092	1	3.57	1	214	973	0.001	214.08	0.22	1.000	0.99999
2211	1	.65	1	39	749	0.001	38.83	0.05	1.000	0.99999
2212	2	2.92	12	1,076	1,495	0.008	89.64	0.72	1.000	0.99998
2491	2	8.22	15	3,666	67	0.224	244.40	54.72	1.000	0.99873
2492	1	2.25	1	135	31	0.032	135.13	4.36	1.000	0.99990
2921	2	3.12	2	187	406	0.005	93.66	0.46	1.000	0.99999
2951	1	3.30	973	192,994	1,281	0.760	198.35	150.66	1.000	0.99651

2952	1	3.22	331	64,065	389	0.851	193.55	164.69	1.000	0.99619
3041	1	1.75	1	105	88	0.011	105.42	1.20	1.000	0.99997
3181	1	1.63	1	98	785	0.001	98.03	0.12	1.000	0.99999
3221	1	1.08	1,121	73,575	1,308	0.857	65.63	56.25	1.000	0.99870
3302	2	4.02	33	3,903	731	0.045	118.27	5.34	1.830	0.99988
3303	2	2.93	741	61,559	1,519	0.488	83.08	40.53	1.000	0.99906
3304	3	2.78	3	166	1,198	0.003	55.37	0.14	1.000	0.99999
3315	2	2.85	85	5,177	1,650	0.052	60.90	3.14	1.000	0.99993
3423	1	2.23	1	134	409	0.002	133.50	0.33	1.000	0.99999
3472	1	1.10	1	66	1,356	0.001	65.72	0.05	1.000	0.99999
3551	1	3.95	1	237	1,054	0.001	236.62	0.22	1.000	0.99999
3552	1	2.65	1	154	595	0.002	154.42	0.26	1.000	0.99999
3553	4	12.10	7	976	895	0.008	139.48	1.09	1.000	0.99997
3592	2	2.13	40	3,196	1,851	0.022	79.89	1.73	1.000	0.99996
3661	2	1.73	131	4,778	1,112	0.118	36.47	4.30	1.000	0.99990
3662	2	16.60	4	1,988	908	0.004	497.12	2.19	1.000	0.99995
3693	1	.62	1	37	183	0.005	37.22	0.20	1.000	0.99999
3701	1	1.22	2	145	603	0.003	72.55	0.24	1.000	0.99999
3751	2	3.57	238	25,474	941	0.253	107.03	27.07	2.000	0.99937
3871	3	5.32	122	15,319	1,107	0.110	125.57	13.84	1.000	0.99968
3872	1	.85	1	51	1,230	0.001	50.77	0.04	1.000	0.99999
3892	1	2.18	1	131	559	0.002	130.77	0.23	1.000	0.99999
3893	5	11.63	23	4,221	1,222	0.019	183.54	3.45	1.000	0.99992
3901	1	1.58	746	71,417	893	0.835	95.73	79.97	1.000	0.99815
3903	2	2.77	3	249	318	0.009	83.16	0.78	1.000	0.99998
3912	1	10.03	1	602	1,440	0.001	601.97	0.42	1.000	0.99999
3951	1	3.75	10	2,258	975	0.010	225.77	2.32	1.000	0.99995
3981	5	9.27	28	2,114	1,606	0.017	75.51	1.32	1.080	0.99997
3982	2	4.43	2	267	1,846	0.001	133.35	0.14	1.000	0.99999
3992	1	3.95	1	237	175	0.006	236.93	1.35	1.000	0.99997
4092	1	1.47	1	88	470	0.002	87.93	0.19	1.000	0.99999
4101	1	.80	17	808	997	0.017	47.52	0.81	1.000	0.99998
4141	1	4.63	1	278	86	0.012	278.12	3.23	1.000	0.99993
4142	1	4.25	10	2,544	627	0.016	254.40	4.06	1.000	0.99991
4151	1	1.02	159	9,601	175	0.909	60.38	54.86	1.000	0.99873
4153	1	4.72	9	2,502	1,384	0.007	277.96	1.81	1.000	0.99996
4155	7	11.13	15	1,573	1,769	0.008	104.84	0.89	1.000	0.99998
4172	2	2.97	166	17,177	1,915	0.087	103.48	8.97	1.000	0.99979
4181	2	4.30	2	258	807	0.002	128.99	0.32	1.000	0.99999
4182	2	4.35	8	1,333	793	0.010	166.66	1.68	1.000	0.99996
4211	1	5.30	1	318	827	0.001	318.37	0.38	1.000	0.99999
4212	1	.68	7	286	1,106	0.006	40.82	0.26	1.000	0.99999

4222	1	.37	1	22	1,089	0.001	21.95	0.02	1.000	0.99999
4301	1	.75	110	4,908	111	0.991	44.62	44.21	1.000	0.99898
4302	3	13.62	645	52,407	672	0.960	81.25	77.99	1.010	0.99819
4303	5	6.62	1,444	89,897	1,452	0.994	62.26	61.91	1.070	0.99857
4304	1	.62	199	7,184	246	0.809	36.10	29.20	1.000	0.99932
4311	1	5.67	4	1,360	773	0.005	339.93	1.76	1.000	0.99996
4323	1	3.97	1	238	290	0.003	237.98	0.82	1.000	0.99998
4324	1	1.22	1	73	1	1.000	72.98	72.98	1.000	0.99837
4332	2	2.17	2	130	424	0.005	64.90	0.31	1.000	0.99999
4341	3	4.28	84	2,929	1,919	0.044	34.87	1.53	1.010	0.99996
4342	2	2.92	325	23,709	810	0.401	72.95	29.27	1.000	0.99932
4343	2	1.15	25	857	1,730	0.014	34.27	0.50	1.000	0.99999
4361	2	14.20	2	852	1,726	0.001	425.90	0.49	1.000	0.99999
4362	1	2.10	4	504	853	0.005	125.97	0.59	1.000	0.99999
4363	1	4.72	2	567	705	0.003	283.47	0.80	1.000	0.99998
4371	2	3.25	21	1,882	1,593	0.013	89.60	1.18	1.000	0.99997
4373	1	1.92	492	56,670	811	0.607	115.18	69.88	1.000	0.99838
4431	2	8.43	1,192	489,538	1,462	0.815	410.69	334.84	1.010	0.99225
4693	1	11.30	1	276	174	0.006	276.33	1.59	1.000	0.99996
4714	1	2.63	1	158	362	0.003	157.57	0.44	1.000	0.99999
4783	1	1.32	1	80	261	0.004	79.65	0.31	1.000	0.99999
4791	1	1.15	1	69	655	0.002	69.42	0.11	1.000	0.99999
4794	1	1.48	1	89	396	0.003	88.92	0.22	1.000	0.99999
4902	1	2.37	1	142	1,229	0.001	141.67	0.12	1.000	0.99999
4905	1	1.23	1	74	407	0.002	73.78	0.18	1.000	0.99999
4906	2	3.85	117	13,946	1,318	0.089	119.20	10.58	1.000	0.99976
5601	1	.37	4	90	1,329	0.003	22.50	0.07	1.000	0.99999
5603	1	2.02	1	121	1,553	0.001	120.72	0.08	1.000	0.99999
5904	1	4.77	9	2,572	1,310	0.007	285.73	1.96	1.000	0.99995
5905	1	.70	1	42	2,005	0.000	41.62	0.02	1.000	0.99999
6021	1	1.37	1	82	1,397	0.001	82.22	0.06	1.000	0.99999
6024	1	.95	1	57	402	0.002	57.23	0.14	1.000	0.99999
6142	3	5.53	211	19,439	341	0.619	92.13	57.01	1.940	0.99868
6143	2	2.75	2	165	382	0.005	82.32	0.43	1.000	0.99999
6144	3	2.97	3	179	330	0.009	59.55	0.54	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	174	369.58	10,464	1,385,937	180,549	0.058	132.12	7.70	1.040	0.99982

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
05/01/2024 to 05/31/2024
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	9	67.68	1,889	653,274	1,716	1.101	345.83	380.70	1.100	0.99147
1051	2	10.63	498	180,710	497	1.002	362.87	363.60	1.000	0.99185
1052	1	6.32	977	354,958	981	0.996	363.31	361.83	1.000	0.99189
1081	1	53.18	1	3,191	21	0.048	3190.93	151.95	1.000	0.99660
1082	22	531.50	1,305	1,046,565	1,219	1.071	801.97	858.54	1.070	0.98077
1091	14	171.67	180	20,899	752	0.239	116.11	27.79	1.820	0.99938
1092	22	821.67	102	125,492	895	0.114	1230.31	140.21	1.010	0.99686
1093	31	1,064.13	114	279,440	206	0.553	2451.23	1356.50	1.040	0.96961
1094	27	507.40	1,396	995,039	1,254	1.113	712.78	793.49	1.120	0.98222
1101	1	2.25	1	136	453	0.002	135.53	0.30	1.000	0.99999
1102	2	2.23	2	134	1,093	0.002	67.12	0.12	1.000	0.99999
1103	3	30.15	32	30,080	857	0.037	940.01	35.10	1.000	0.99921
1141	1	3.17	18	3,413	863	0.021	189.60	3.95	1.000	0.99991
1211	2	12.60	1,426	21,631	1,342	1.063	15.17	16.12	1.060	0.99964
1212	2	1.43	2	86	320	0.006	42.90	0.27	1.000	0.99999
1213	3	4.10	3	247	521	0.006	82.37	0.47	1.000	0.99999
1230	4	31.15	28	4,094	1,021	0.027	146.20	4.01	1.000	0.99991
1232	3	71.40	3	4,284	1,081	0.003	1427.92	3.96	3.000	0.99991
1241	6	29.92	146	22,286	804	0.182	152.64	27.72	1.600	0.99938
1242	2	3.23	2	193	735	0.003	96.73	0.26	1.000	0.99999
1243	3	6.92	21	2,737	1,151	0.018	130.34	2.38	1.000	0.99995
1271	5	32.92	71	8,366	875	0.081	117.82	9.56	1.000	0.99979
1273	6	119.50	339	242,789	793	0.427	716.19	306.17	1.020	0.99314
1282	1	.58	1	35	677	0.001	34.93	0.05	1.000	0.99999
1283	2	77.87	6	6,769	316	0.019	1128.08	21.42	1.000	0.99952
1284	26	599.50	221	237,096	890	0.248	1072.83	266.40	1.210	0.99403
1285	2	44.30	2	2,657	1,115	0.002	1328.41	2.38	1.000	0.99995
1311	2	3.15	6	435	228	0.026	72.57	1.91	1.200	0.99996
1312	6	48.60	14	4,135	849	0.016	295.38	4.87	1.170	0.99989
1451	1	42.10	1	2,527	539	0.002	2526.72	4.69	1.000	0.99989
1452	6	3.87	364	10,097	404	0.901	27.74	24.99	1.010	0.99944
1453	7	90.40	98	26,022	1,576	0.062	265.53	16.51	1.010	0.99963

1454	1	2.88	4	691	824	0.005	172.77	0.84	1.000	0.99998
1521	3	10.07	67	4,738	314	0.213	70.72	15.09	1.000	0.99966
1523	7	16.57	956	66,560	698	1.370	69.62	95.36	1.370	0.99786
1841	1	.72	1	43	568	0.002	42.52	0.07	1.000	0.99999
1843	2	9.12	20	8,144	935	0.021	407.22	8.71	1.000	0.99980
2051	1	1.10	181	11,840	181	1.000	65.42	65.42	1.000	0.99853
2052	1	1.07	83	5,301	83	1.000	63.87	63.87	1.000	0.99857
2091	4	8.82	10	1,179	739	0.014	117.94	1.60	1.110	0.99996
2092	1	2.27	1	136	750	0.001	135.92	0.18	1.000	0.99999
2172	1	1.37	8	649	214	0.037	81.12	3.03	1.000	0.99993
2211	2	1.65	664	45,501	663	1.002	68.53	68.63	1.000	0.99846
2212	3	5.77	1,389	95,746	1,385	1.003	68.93	69.13	1.010	0.99845
2492	1	15.50	1	930	26	0.038	930.17	35.78	1.000	0.99920
2511	3	6.93	5	637	491	0.010	127.32	1.30	1.000	0.99997
2621	7	47.83	30	11,937	964	0.031	397.92	12.38	1.000	0.99972
2622	1	3.05	1	183	101	0.010	183.18	1.81	1.000	0.99996
2843	2	61.32	105	181,218	157	0.669	1725.89	1154.25	1.000	0.97414
2951	4	10.82	415	106,842	974	0.426	257.45	109.69	1.040	0.99754
2952	2	3.75	2	226	331	0.006	113.17	0.68	1.000	0.99998
3121	2	2.28	13	527	1,077	0.012	40.52	0.49	1.000	0.99999
3122	1	1.83	5	547	803	0.006	109.45	0.68	1.000	0.99998
3123	4	18.00	4	1,079	1,080	0.004	269.81	1.00	1.000	0.99998
3181	2	2.40	27	2,070	586	0.046	76.66	3.53	1.000	0.99992
3221	6	11.85	89	8,219	1,121	0.079	92.34	7.33	1.000	0.99984
3222	4	24.88	14	1,735	630	0.022	123.96	2.75	1.000	0.99994
3231	3	3.22	51	2,812	195	0.262	55.13	14.42	1.000	0.99968
3232	1	1.55	1	93	390	0.003	92.68	0.24	1.000	0.99999
3301	1	1.07	1	64	714	0.001	64.33	0.09	1.000	0.99999
3303	3	3.25	19	1,210	1,382	0.014	63.69	0.88	1.000	0.99998
3304	2	4.03	5	785	1,113	0.004	157.04	0.71	1.000	0.99998
3311	1	1.47	10	803	515	0.019	80.31	1.56	1.000	0.99997
3313	2	8.28	30	7,432	1,505	0.020	247.74	4.94	1.000	0.99989
3315	10	14.38	1,037	124,566	1,530	0.678	120.12	81.42	1.000	0.99818
3421	1	0.87	142	7,420	277	0.513	52.25	26.79	1.000	0.99940
3422	2	3.15	115	15,122	855	0.135	131.49	17.69	1.000	0.99960
3423	2	3.65	146	22,331	342	0.427	152.95	65.30	1.010	0.99854
3471	2	4.92	423	60,954	423	1.000	144.10	144.10	1.000	0.99677
3472	7	20.25	104	14,378	1,101	0.094	138.25	13.06	1.010	0.99971
3551	6	7.57	130	11,932	954	0.136	91.79	12.51	1.530	0.99972
3552	4	33.92	4	2,033	504	0.008	508.33	4.03	1.000	0.99991
3553	8	20.77	26	2,317	787	0.033	89.12	2.94	1.000	0.99993
3591	3	9.93	38	9,069	1,587	0.024	238.65	5.71	1.000	0.99987

3592	5	7.83	52	4,145	1,754	0.030	79.72	2.36	1.000	0.99995
3593	2	2.67	40	1,417	943	0.042	35.43	1.50	1.000	0.99997
3594	2	4.57	31	4,673	888	0.035	150.76	5.26	1.000	0.99988
3621	3	4.35	3	261	1,386	0.002	86.89	0.19	1.000	0.99999
3661	8	62.93	85	12,324	1,047	0.081	144.99	11.77	1.000	0.99974
3662	2	6.13	2	368	826	0.002	184.03	0.45	1.000	0.99999
3663	1	1.00	4	242	282	0.014	60.40	0.86	1.000	0.99998
3664	8	86.03	35	16,918	480	0.073	483.37	35.25	1.060	0.99921
3671	5	6.07	753	41,888	647	1.164	55.63	64.74	1.160	0.99855
3673	4	3.75	435	17,156	250	1.740	39.44	68.62	1.750	0.99846
3675	1	.92	510	27,574	510	1.000	54.07	54.07	1.000	0.99879
3694	2	4.13	13	1,570	534	0.024	120.78	2.94	1.000	0.99993
3701	2	6.62	2	397	526	0.004	198.67	0.76	1.000	0.99998
3702	1	1.03	19	1,163	674	0.028	61.22	1.73	1.000	0.99996
3751	6	15.88	885	139,804	837	1.057	157.97	167.03	1.060	0.99626
3872	3	8.08	7	974	1,163	0.006	139.17	0.84	1.000	0.99998
3873	3	12.42	90	21,846	767	0.117	242.73	28.48	1.010	0.99936
3878	2	2.78	4	244	758	0.005	61.12	0.32	1.000	0.99999
3891	8	125.85	414	214,468	408	1.015	518.04	525.66	1.020	0.98822
3892	2	78.32	2	4,699	528	0.004	2349.50	8.90	1.000	0.99980
3893	16	222.48	1,924	857,862	1,000	1.924	445.87	857.86	2.410	0.98078
3894	2	45.58	2	2,734	145	0.014	1367.03	18.86	1.000	0.99958
3901	5	9.27	59	9,347	750	0.079	158.43	12.46	1.000	0.99972
3902	2	4.60	2	276	74	0.027	137.99	3.73	1.000	0.99992
3903	2	8.22	25	6,310	262	0.095	252.41	24.08	1.000	0.99946
3912	5	47.55	28	3,901	1,366	0.020	139.33	2.86	1.040	0.99994
3913	9	126.57	977	419,607	916	1.067	429.49	458.09	1.070	0.98974
3914	1	28.80	23	39,745	345	0.067	1728.05	115.20	1.000	0.99742
3951	20	107.13	26	9,222	852	0.031	354.68	10.82	1.000	0.99976
3952	12	239.17	889	323,765	802	1.108	364.19	403.70	1.110	0.99096
3953	25	802.37	604	664,060	458	1.319	1099.44	1449.91	1.350	0.96752
3971	2	2.37	78	6,490	657	0.119	83.20	9.88	1.000	0.99978
3981	4	9.38	22	2,438	1,298	0.017	110.83	1.88	1.000	0.99996
3982	5	12.27	171	22,519	1,743	0.098	131.69	12.92	1.000	0.99971
3991	6	26.45	10	1,957	618	0.016	195.71	3.17	1.000	0.99993
3992	4	5.57	5	473	128	0.039	94.53	3.69	1.000	0.99992
4031	1	3.62	1	217	601	0.002	217.00	0.36	1.000	0.99999
4091	6	14.45	83	6,852	1,055	0.079	82.55	6.49	1.000	0.99985
4092	2	3.67	2	219	401	0.005	109.48	0.55	1.000	0.99999
4101	3	7.42	56	18,319	888	0.063	327.12	20.63	1.000	0.99954
4132	1	1.15	4	276	551	0.007	68.88	0.50	1.000	0.99999
4138	9	10.28	20	1,484	570	0.035	74.18	2.60	1.000	0.99994

4141	2	6.48	29	6,251	62	0.468	215.55	100.82	1.000	0.99774
4142	3	4.62	41	3,284	525	0.078	80.10	6.26	1.000	0.99986
4152	5	8.03	53	4,643	1,270	0.042	87.61	3.66	1.510	0.99992
4153	2	5.15	16	3,551	1,183	0.014	221.96	3.00	1.000	0.99993
4155	1	2.57	1	155	1,706	0.001	154.78	0.09	1.000	0.99999
4171	5	49.20	174	68,478	1,095	0.159	393.55	62.54	1.000	0.99860
4172	6	11.70	100	5,027	1,738	0.058	50.27	2.89	1.000	0.99994
4173	1	3.35	1	201	681	0.001	200.93	0.30	1.000	0.99999
4181	4	11.88	76	14,544	720	0.106	191.37	20.20	1.950	0.99955
4212	14	89.48	1,014	145,179	951	1.066	143.18	152.66	1.070	0.99658
4222	7	120.95	28	22,625	1,021	0.027	808.04	22.16	1.000	0.99950
4223	10	485.68	42	79,787	1,106	0.038	1899.70	72.14	1.000	0.99838
4224	10	209.77	1,702	935,176	766	2.222	549.46	1220.86	2.230	0.97265
4302	13	326.83	514	162,703	637	0.807	316.54	255.42	1.010	0.99428
4303	1	60.07	1	3,604	1,367	0.001	3604.18	2.64	0.000	0.99994
4311	2	6.28	2	378	711	0.003	188.92	0.53	1.000	0.99999
4313	3	4.07	290	14,961	520	0.558	51.59	28.77	1.010	0.99936
4321	6	27.70	163	14,705	661	0.247	90.21	22.25	1.010	0.99950
4322	2	14.35	4	2,371	3	1.333	592.75	790.33	1.460	0.98230
4324	1	6.65	1	399	1	1.000	398.90	398.90	1.000	0.99106
4326	1	1.87	1	112	345	0.003	112.00	0.32	1.000	0.99999
4341	3	7.78	3	466	1,750	0.002	155.29	0.27	1.000	0.99999
4342	1	5.30	34	10,785	779	0.044	317.20	13.84	1.000	0.99969
4343	4	76.27	16	5,384	1,655	0.010	336.53	3.25	1.000	0.99993
4344	4	5.58	74	4,897	334	0.222	66.17	14.66	1.000	0.99967
4361	14	159.13	219	134,727	1,530	0.143	615.19	88.06	1.020	0.99803
4362	5	17.77	86	24,179	767	0.112	281.15	31.52	1.070	0.99929
4363	1	6.75	1	405	705	0.001	405.10	0.57	1.000	0.99999
4364	2	6.82	2	409	749	0.003	204.45	0.55	1.000	0.99999
4371	4	12.73	38	14,777	1,424	0.027	388.87	10.38	1.000	0.99977
4372	2	7.80	2	468	399	0.005	234.12	1.17	1.000	0.99997
4373	4	5.47	16	1,754	713	0.022	109.60	2.46	1.000	0.99994
4431	10	62.73	28	20,456	1,204	0.023	730.57	16.99	1.000	0.99962
4432	1	.77	1	46	355	0.003	46.38	0.13	1.000	0.99999
4471	1	.98	3	176	3	1.000	58.58	58.58	1.000	0.99869
4475	1	.98	12	697	12	1.000	58.07	58.07	1.000	0.99870
4476	1	1.38	25	2,058	25	1.000	82.30	82.30	1.000	0.99816
4511	3	16.62	102	28,392	1,096	0.093	278.35	25.91	1.010	0.99942
4512	1	1.40	2	167	1,077	0.002	83.62	0.16	1.000	0.99999
4513	1	2.62	35	5,486	760	0.046	156.75	7.22	1.000	0.99984
4692	7	108.07	39	19,740	419	0.093	506.16	47.11	1.340	0.99894
4714	5	158.28	6	12,613	301	0.020	2102.24	41.91	1.000	0.99906

4783	2	1.52	381	10,791	235	1.621	28.32	45.92	1.000	0.99897
4784	1	1.12	1	67	361	0.003	66.92	0.19	1.000	0.99999
4791	4	14.33	112	16,379	628	0.178	146.24	26.08	1.260	0.99942
4892	1	1.60	1	95	271	0.004	95.23	0.35	1.000	0.99999
4901	1	1.30	14	1,089	14	1.000	77.75	77.75	1.000	0.99826
4902	25	370.55	1,267	238,242	1,188	1.066	188.04	200.54	1.070	0.99551
4903	5	33.20	146	15,660	144	1.014	107.26	108.75	1.010	0.99756
4905	5	21.57	1,133	403,844	377	3.005	356.44	1071.21	3.010	0.97600
4906	26	347.92	1,400	273,127	1,224	1.144	195.09	223.14	1.150	0.99500
4907	1	1.73	72	7,466	72	1.000	103.70	103.70	1.000	0.99768
5601	4	10.75	1,225	199,302	1,224	1.001	162.70	162.83	1.000	0.99635
5602	2	5.47	614	98,827	613	1.002	160.96	161.22	1.000	0.99639
5603	8	13.52	1,420	228,918	1,378	1.030	161.21	166.12	1.030	0.99628
5641	1	2.73	306	50,026	306	1.000	163.48	163.48	1.000	0.99634
5901	2	2.28	11	484	862	0.013	44.03	0.56	1.000	0.99999
5902	19	346.87	952	300,250	889	1.071	315.39	337.74	1.070	0.99243
5904	12	243.77	404	211,427	1,261	0.320	523.33	167.67	2.430	0.99624
5905	8	114.52	1,782	133,766	1,745	1.021	75.07	76.66	1.020	0.99828
6021	2	2.75	2	165	1,259	0.002	82.32	0.13	1.000	0.99999
6024	1	1.75	12	1,255	369	0.033	104.55	3.40	1.000	0.99992
6141	3	10.55	3	633	537	0.006	210.99	1.18	1.000	0.99997
6142	1	1.93	7	806	301	0.023	115.18	2.68	1.000	0.99994
6143	1	4.40	1	264	308	0.003	263.85	0.86	1.000	0.99998
6144	1	2.48	1	149	240	0.004	148.57	0.62	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	871	10,769.85	40,307	12,009,268	160,753	0.253	301.79	76.35	1.170	0.99829

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
06/01/2024 to 06/30/2024
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	11.53	117	9,067	1,716	0.068	77.49	5.28	1.040	0.99988
1052	1	3.05	8	1,464	981	0.008	182.97	1.49	1.000	0.99997
1082	12	21.93	1,533	149,944	1,219	1.258	97.81	123.01	1.260	0.99715
1091	4	6.30	141	8,130	752	0.188	57.66	10.81	1.000	0.99975
1092	6	7.38	38	2,592	895	0.042	68.20	2.90	1.000	0.99993
1094	1	.27	1	16	1,254	0.001	15.78	0.01	1.000	0.99999
1101	2	11.38	30	13,793	453	0.066	459.77	30.45	1.000	0.99930
1102	1	1.48	1	89	1,093	0.001	88.50	0.08	1.000	0.99999
1103	6	19.53	44	5,464	857	0.051	124.19	6.38	1.020	0.99985
1104	4	18.53	69	21,738	192	0.359	315.05	113.22	1.250	0.99738
1141	3	28.40	19	9,322	863	0.022	490.63	10.80	1.060	0.99975
1142	1	.67	18	722	145	0.124	40.12	4.98	1.000	0.99988
1211	2	4.60	2	276	1,342	0.001	138.08	0.21	1.000	0.99999
1212	6	13.00	13	2,762	320	0.041	212.47	8.63	1.180	0.99980
1213	10	19.98	1,048	325,802	521	2.012	310.88	625.34	2.020	0.98552
1230	7	38.22	1,023	261,034	1,021	1.002	255.17	255.66	1.000	0.99408
1232	3	11.43	21	4,502	1,081	0.019	214.40	4.17	1.000	0.99990
1233	2	3.42	39	2,523	606	0.064	64.69	4.16	1.000	0.99990
1241	1	1.05	18	1,147	804	0.022	63.73	1.43	1.000	0.99997
1242	1	1.53	23	2,107	735	0.031	91.60	2.87	1.000	0.99993
1243	3	3.80	150	11,163	1,151	0.130	74.42	9.70	1.460	0.99978
1271	6	23.17	58	10,084	875	0.066	173.87	11.52	1.380	0.99973
1273	1	3.62	1	216	793	0.001	216.20	0.27	1.000	0.99999
1282	2	11.35	5	1,105	677	0.007	221.04	1.63	1.000	0.99996
1284	4	8.07	68	9,481	890	0.076	139.42	10.65	1.000	0.99975
1312	3	2.58	3	155	849	0.004	51.52	0.18	1.000	0.99999
1451	2	7.43	6	1,877	539	0.011	312.77	3.48	1.000	0.99992
1453	14	39.32	82	14,548	1,576	0.052	177.42	9.23	1.150	0.99979
1454	1	6.67	3	1,203	824	0.004	400.93	1.46	1.000	0.99997
1455	1	3.77	10	2,257	389	0.026	225.65	5.80	1.000	0.99987
1521	2	1.23	2	73	314	0.006	36.64	0.23	1.000	0.99999
1522	1	1.17	3	208	101	0.030	69.20	2.06	1.000	0.99995

1523	3	8.95	244	39,464	698	0.350	161.74	56.54	1.000	0.99869
1841	1	9.22	1	553	568	0.002	552.88	0.97	1.000	0.99998
1842	5	4.38	34	1,800	247	0.138	52.95	7.29	1.030	0.99983
1843	5	15.22	5	914	935	0.005	182.71	0.98	1.000	0.99998
2051	1	.82	1	49	181	0.006	48.82	0.27	1.000	0.99999
2091	8	31.37	12	2,725	739	0.016	227.11	3.69	1.200	0.99991
2092	1	2.47	1	148	750	0.001	147.93	0.20	1.000	0.99999
2171	4	19.53	489	62,085	473	1.034	126.96	131.26	1.040	0.99696
2211	3	3.90	51	4,787	663	0.077	93.86	7.22	1.000	0.99983
2212	5	5.63	44	3,250	1,385	0.032	73.86	2.35	1.000	0.99995
2621	5	14.95	18	5,311	964	0.019	295.07	5.51	1.000	0.99987
2841	2	4.38	2	263	274	0.007	131.54	0.96	1.000	0.99998
2843	1	4.67	105	29,430	157	0.669	280.28	187.45	1.000	0.99566
2951	4	4.10	7	420	974	0.007	60.05	0.43	1.000	0.99999
2961	1	3.28	1	197	632	0.002	197.12	0.31	1.000	0.99999
3121	1	2.05	8	985	1,077	0.007	123.07	0.91	1.000	0.99998
3122	1	1.50	1	90	803	0.001	89.78	0.11	1.000	0.99999
3181	2	11.15	24	4,084	586	0.041	170.17	6.97	1.000	0.99984
3221	3	3.00	10	480	1,121	0.009	47.97	0.43	1.000	0.99999
3222	5	8.27	52	5,717	630	0.083	109.94	9.07	1.000	0.99979
3231	2	10.90	4	891	195	0.021	222.81	4.57	1.000	0.99989
3232	2	8.20	11	4,220	390	0.028	383.61	10.82	1.000	0.99975
3303	1	.97	28	1,604	1,382	0.020	57.30	1.16	1.000	0.99997
3304	5	17.73	80	17,011	1,113	0.072	212.63	15.28	1.000	0.99965
3315	2	3.78	26	2,954	1,530	0.017	113.61	1.93	2.000	0.99996
3421	1	1.78	1	107	277	0.004	107.15	0.39	1.000	0.99999
3422	4	10.37	40	5,953	855	0.047	148.81	6.96	1.600	0.99984
3423	2	3.67	2	220	342	0.006	109.81	0.64	1.000	0.99999
3471	2	2.02	9	618	423	0.021	68.65	1.46	1.000	0.99997
3472	5	9.82	16	1,520	1,101	0.015	94.99	1.38	1.000	0.99997
3551	2	1.82	998	54,503	954	1.046	54.61	57.13	1.070	0.99868
3552	1	5.67	11	3,731	504	0.022	339.15	7.40	1.000	0.99983
3553	4	5.43	5	356	787	0.006	71.21	0.45	1.000	0.99999
3591	2	10.88	27	13,342	1,587	0.017	494.13	8.41	1.000	0.99981
3592	3	7.18	141	21,637	1,754	0.080	153.45	12.34	1.000	0.99971
3593	2	1.98	32	1,336	943	0.034	41.76	1.42	1.000	0.99997
3594	1	.33	1	20	888	0.001	20.23	0.02	1.000	0.99999
3621	2	2.33	3	249	1,386	0.002	82.92	0.18	1.000	0.99999
3661	2	7.85	70	6,677	1,047	0.067	95.39	6.38	1.000	0.99985
3662	7	9.43	21	1,427	826	0.025	67.96	1.73	1.620	0.99996
3663	1	3.00	19	3,427	282	0.067	180.35	12.15	1.000	0.99972
3664	5	6.92	21	1,531	480	0.044	72.90	3.19	1.000	0.99993

3673	2	3.48	3	267	250	0.012	88.87	1.07	1.000	0.99998
3691	1	1.13	8	543	391	0.020	67.93	1.39	1.000	0.99997
3694	1	3.80	10	2,280	534	0.019	228.00	4.27	1.000	0.99990
3701	2	2.40	2	144	526	0.004	72.05	0.27	1.000	0.99999
3702	3	8.32	507	158,510	674	0.752	312.64	235.18	1.040	0.99456
3751	10	30.00	110	17,612	837	0.131	160.11	21.04	1.000	0.99951
3871	1	2.03	3	364	960	0.003	121.45	0.38	1.000	0.99999
3872	3	4.23	26	2,960	1,163	0.022	113.85	2.55	1.000	0.99994
3873	1	1.52	30	2,723	767	0.039	90.75	3.55	1.000	0.99992
3891	3	4.17	11	866	408	0.027	78.76	2.12	1.000	0.99995
3893	3	4.17	26	3,362	1,000	0.026	129.30	3.36	1.000	0.99992
3901	6	8.88	90	7,794	750	0.120	86.60	10.39	1.000	0.99976
3903	2	3.05	12	855	262	0.046	71.21	3.26	1.000	0.99992
3912	1	2.77	1	165	1,366	0.001	165.48	0.12	1.000	0.99999
3913	5	23.53	58	18,856	916	0.063	325.10	20.59	1.120	0.99952
3914	1	.88	17	909	345	0.049	53.47	2.63	1.000	0.99994
3951	6	23.82	23	4,761	852	0.027	207.00	5.59	1.000	0.99987
3952	4	7.75	88	9,859	802	0.110	112.03	12.29	1.000	0.99972
3953	5	12.48	77	10,977	458	0.168	142.55	23.97	1.000	0.99945
3971	7	31.50	36	8,185	657	0.055	227.36	12.46	1.000	0.99971
3981	10	41.90	64	8,382	1,298	0.049	130.97	6.46	1.000	0.99985
3982	21	115.20	136	52,435	1,743	0.078	385.55	30.08	1.030	0.99930
3991	4	8.95	621	206,246	618	1.005	332.12	333.73	1.000	0.99227
3992	2	9.03	129	42,576	128	1.008	330.05	332.63	1.010	0.99230
4031	4	12.72	15	4,850	601	0.025	323.34	8.07	1.150	0.99981
4091	2	4.73	24	2,126	1,055	0.023	88.56	2.01	1.000	0.99995
4092	1	3.13	1	187	401	0.002	187.28	0.47	1.000	0.99999
4101	2	5.08	66	14,599	888	0.074	221.19	16.44	1.000	0.99962
4102	2	3.68	2	221	514	0.004	110.63	0.43	1.000	0.99999
4135	1	2.88	31	5,348	41	0.756	172.52	130.44	1.000	0.99698
4136	1	1.77	1	105	674	0.001	105.30	0.16	1.000	0.99999
4138	2	3.60	2	215	570	0.004	107.42	0.38	1.000	0.99999
4141	1	1.43	1	86	62	0.016	86.35	1.39	1.000	0.99997
4142	2	3.28	10	1,515	525	0.019	151.54	2.89	1.000	0.99993
4152	4	6.23	11	919	1,270	0.009	83.56	0.72	1.100	0.99998
4153	6	10.25	14	3,481	1,183	0.012	248.64	2.94	1.000	0.99993
4171	8	15.78	1,342	111,833	1,095	1.226	83.33	102.13	1.230	0.99764
4172	10	18.78	75	9,194	1,738	0.043	122.59	5.29	1.500	0.99988
4173	4	9.75	86	13,219	681	0.126	153.71	19.41	1.000	0.99955
4181	4	4.35	22	944	720	0.031	42.91	1.31	1.830	0.99997
4182	1	9.83	3	1,765	706	0.004	588.22	2.50	1.000	0.99994
4211	2	1.70	11	793	767	0.014	72.08	1.03	1.000	0.99998

4212	2	13.72	2	822	951	0.002	410.92	0.86	1.000	0.99998
4222	4	11.17	29	4,305	1,021	0.028	148.46	4.22	1.000	0.99990
4223	6	13.53	61	4,537	1,106	0.055	74.38	4.10	1.000	0.99991
4224	3	7.45	124	15,876	766	0.162	128.03	20.73	1.010	0.99952
4302	2	6.45	855	70,449	637	1.342	82.40	110.60	1.350	0.99744
4303	3	6.45	91	6,151	1,367	0.067	67.60	4.50	1.000	0.99990
4312	1	9.05	1	543	925	0.001	542.97	0.59	1.000	0.99999
4321	2	49.58	153	8,392	661	0.231	54.85	12.70	1.000	0.99971
4323	3	1.75	3	105	316	0.009	34.92	0.33	1.500	0.99999
4324	1	.92	1	55	1	1.000	54.97	54.97	1.000	0.99877
4326	1	1.17	2	140	345	0.006	70.05	0.41	1.000	0.99999
4341	2	2.85	2	170	1,750	0.001	85.14	0.10	1.000	0.99999
4342	1	1.58	1	95	779	0.001	94.93	0.12	1.000	0.99999
4343	5	13.12	104	11,090	1,655	0.063	106.63	6.70	1.000	0.99984
4361	1	1.73	1	104	1,530	0.001	104.30	0.07	1.000	0.99999
4362	3	8.68	40	11,358	767	0.052	283.96	14.81	1.030	0.99966
4363	1	5.33	12	3,851	705	0.017	320.92	5.46	1.000	0.99987
4364	5	26.57	11	3,637	749	0.015	330.66	4.86	1.000	0.99989
4371	6	9.03	71	7,025	1,424	0.050	98.94	4.93	1.000	0.99989
4372	2	3.95	14	2,248	399	0.035	160.58	5.63	1.000	0.99987
4373	1	3.72	1	222	713	0.001	222.42	0.31	1.000	0.99999
4385	1	.67	1	40	1,021	0.001	39.77	0.04	1.000	0.99999
4431	9	12.20	179	12,083	1,204	0.149	67.50	10.04	1.020	0.99977
4511	3	11.02	3	660	1,096	0.003	220.10	0.60	1.500	0.99999
4602	2	1.88	2	112	850	0.002	56.15	0.13	1.000	0.99999
4692	2	2.52	63	7,776	419	0.150	123.44	18.56	1.000	0.99957
4712	1	3.10	2	372	117	0.017	186.00	3.18	1.000	0.99993
4714	2	6.92	12	1,764	301	0.040	146.99	5.86	1.000	0.99986
4791	5	6.32	9	1,029	628	0.014	114.32	1.64	1.000	0.99996
4793	1	1.03	7	434	783	0.009	62.00	0.55	1.000	0.99999
4794	5	15.67	59	11,335	375	0.157	192.12	30.23	1.000	0.99930
4891	1	3.55	1	212	452	0.002	212.42	0.47	1.000	0.99999
4892	2	3.60	2	217	271	0.007	108.43	0.80	1.000	0.99998
4902	6	20.17	115	41,211	1,188	0.097	358.36	34.69	1.000	0.99920
4903	4	8.03	4	480	144	0.028	119.95	3.33	1.330	0.99992
4905	1	8.87	1	532	377	0.003	531.73	1.41	1.000	0.99997
4906	1	1.53	116	10,635	1,224	0.095	91.68	8.69	1.000	0.99980
5601	3	9.78	28	6,776	1,224	0.023	242.01	5.54	1.000	0.99987
5602	1	8.38	1	503	613	0.002	503.23	0.82	1.000	0.99998
5603	10	63.32	71	19,314	1,378	0.052	272.03	14.02	1.010	0.99968
5641	1	3.10	306	56,758	306	1.000	185.48	185.48	1.000	0.99571
5902	2	2.50	2	149	889	0.002	74.70	0.17	1.000	0.99999

5903	1	.63	1	38	263	0.004	38.15	0.15	1.000	0.99999
5904	16	39.28	737	79,155	1,261	0.584	107.40	62.77	1.800	0.99855
5905	1	1.18	16	1,130	1,745	0.009	70.65	0.65	1.000	0.99999
6021	5	11.23	22	3,368	1,259	0.017	153.11	2.68	1.000	0.99994
6022	1	.35	1	22	507	0.002	21.52	0.04	1.000	0.99999
6024	2	5.75	24	4,148	369	0.065	172.84	11.24	2.000	0.99974
6141	10	31.52	37	10,679	537	0.069	288.62	19.89	1.000	0.99954
6142	2	8.60	58	7,637	301	0.193	131.67	25.37	1.000	0.99941
6402	2	7.88	2	473	132	0.015	236.39	3.58	1.000	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	557	1,599.15	14,539	2,344,198	160,753	0.091	160.81	14.60	1.150	0.99966

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
07/01/2024 to 07/31/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	2.72	1,755	210,386	1,716	1.023	119.88	122.60	1.030	0.99725
1051	1	2.02	494	59,840	497	0.994	121.13	120.40	1.000	0.99730
1052	3	15.18	979	117,521	981	0.998	120.04	119.80	1.000	0.99732
1082	7	16.35	41	6,787	1,219	0.034	165.54	5.57	1.000	0.99988
1091	2	1.43	40	1,680	752	0.053	42.01	2.23	1.000	0.99995
1092	8	12.10	8	728	895	0.009	90.95	0.81	1.600	0.99998
1093	1	.97	1	58	206	0.005	57.95	0.28	1.000	0.99999
1094	4	19.30	78	16,239	1,254	0.062	208.19	12.95	1.000	0.99971
1102	4	9.03	65	6,645	1,093	0.059	102.23	6.08	1.000	0.99986
1103	2	.93	3	87	857	0.004	28.91	0.10	1.000	0.99999
1141	2	2.48	22	1,853	863	0.025	84.22	2.15	1.000	0.99995
1211	4	12.60	11	1,281	1,342	0.008	116.41	0.95	1.000	0.99998
1212	1	1.10	1	66	320	0.003	66.00	0.21	1.000	0.99999
1213	3	3.90	20	1,526	521	0.038	76.30	2.93	1.000	0.99993
1230	8	15.32	8	918	1,021	0.008	114.74	0.90	1.600	0.99998
1232	3	9.00	71	18,999	1,081	0.066	267.59	17.58	1.000	0.99961
1233	7	29.07	73	16,379	606	0.120	224.37	27.03	1.000	0.99939
1241	1	1.87	8	899	804	0.010	112.33	1.12	1.000	0.99997
1243	1	2.20	1	133	1,151	0.001	132.83	0.12	1.000	0.99999
1271	10	35.12	60	5,711	875	0.069	95.18	6.53	1.050	0.99985
1273	2	5.58	18	3,148	793	0.023	174.86	3.97	1.000	0.99991
1282	3	6.90	3	414	677	0.004	137.97	0.61	1.500	0.99999
1283	1	.57	1	34	316	0.003	34.00	0.11	1.000	0.99999
1284	3	10.02	24	7,157	890	0.027	298.20	8.04	1.000	0.99982
1311	1	3.67	1	220	228	0.004	220.13	0.97	1.000	0.99998
1451	1	.90	6	322	539	0.011	53.68	0.60	1.000	0.99999
1452	1	5.15	1	309	404	0.002	309.10	0.77	1.000	0.99998
1453	11	34.12	141	40,887	1,576	0.089	289.98	25.94	1.010	0.99942
1454	4	12.38	246	56,969	824	0.299	231.58	69.14	1.000	0.99845
1455	1	2.53	1	152	389	0.003	152.27	0.39	1.000	0.99999
1521	2	1.57	8	405	314	0.025	50.67	1.29	1.000	0.99997
1523	2	3.77	28	3,138	698	0.040	112.08	4.50	2.000	0.99990

1843	3	4.12	16	1,072	935	0.017	67.01	1.15	1.000	0.99997
2051	1	.77	8	365	181	0.044	45.57	2.01	1.000	0.99995
2052	1	3.83	1	230	83	0.012	230.02	2.77	1.000	0.99994
2091	3	5.43	3	325	739	0.004	108.41	0.44	1.000	0.99999
2092	1	1.75	1	106	750	0.001	105.62	0.14	1.000	0.99999
2171	1	2.28	1	136	473	0.002	136.08	0.29	1.000	0.99999
2172	3	4.05	3	242	214	0.014	80.79	1.13	1.500	0.99997
2211	4	5.93	49	2,310	663	0.074	47.15	3.48	1.000	0.99992
2212	5	10.75	154	17,584	1,385	0.111	114.18	12.70	1.000	0.99972
2501	2	2.88	2	173	69	0.029	86.58	2.51	1.000	0.99994
2511	3	6.97	490	45,806	491	0.998	93.48	93.29	1.000	0.99791
2621	4	4.73	261	11,171	964	0.271	42.80	11.59	1.000	0.99974
2843	1	5.50	105	34,633	157	0.669	329.83	220.59	1.000	0.99506
2921	3	3.57	31	2,670	370	0.084	86.12	7.22	1.940	0.99984
2951	7	21.15	847	270,116	974	0.870	318.91	277.33	2.020	0.99379
2952	1	2.77	1	166	331	0.003	166.47	0.50	1.000	0.99999
3121	4	4.98	674	46,621	1,077	0.626	69.17	43.29	1.000	0.99903
3122	2	5.33	116	17,450	803	0.144	150.43	21.73	1.000	0.99951
3123	3	11.83	9	2,261	1,080	0.008	251.26	2.09	1.000	0.99995
3181	1	2.35	3	425	586	0.005	141.60	0.72	1.000	0.99998
3221	2	10.85	10	3,771	1,121	0.009	377.15	3.36	1.000	0.99992
3222	1	1.77	1	106	630	0.002	106.13	0.17	1.000	0.99999
3231	2	4.45	4	393	195	0.021	98.35	2.02	1.000	0.99995
3301	5	20.43	56	28,193	714	0.078	503.45	39.49	1.020	0.99912
3302	3	11.02	736	309,518	679	1.084	420.54	455.84	1.090	0.98979
3303	7	16.58	55	8,327	1,382	0.040	151.39	6.02	1.340	0.99987
3304	3	9.72	86	28,322	1,113	0.077	329.33	25.45	1.230	0.99943
3312	2	3.67	187	36,086	454	0.412	192.97	79.48	1.020	0.99822
3313	2	4.57	2	275	1,505	0.001	137.32	0.18	1.000	0.99999
3315	3	5.43	94	16,376	1,530	0.061	174.21	10.70	1.000	0.99976
3421	2	8.02	2	482	277	0.007	240.75	1.74	1.000	0.99996
3471	1	1.40	8	671	423	0.019	83.87	1.59	1.000	0.99996
3472	2	4.52	62	13,335	1,101	0.056	215.07	12.11	1.000	0.99973
3551	3	5.03	137	16,203	954	0.144	118.27	16.98	1.900	0.99962
3553	2	4.23	11	1,728	787	0.014	157.12	2.20	1.000	0.99995
3591	1	.95	18	1,017	1,587	0.011	56.52	0.64	1.000	0.99999
3592	2	2.73	20	1,696	1,754	0.011	84.81	0.97	1.000	0.99998
3593	1	3.88	1	233	943	0.001	233.22	0.25	1.000	0.99999
3621	2	4.07	2	243	1,386	0.001	121.73	0.18	1.000	0.99999
3661	1	.57	175	5,857	1,047	0.167	33.47	5.59	1.000	0.99987
3662	4	2.55	37	1,361	826	0.045	36.78	1.65	1.000	0.99996
3663	3	1.57	25	358	282	0.089	14.31	1.27	1.000	0.99997

3664	3	4.28	14	1,146	480	0.029	81.85	2.39	1.000	0.99995
3673	1	1.18	6	421	250	0.024	70.08	1.68	1.000	0.99996
3675	1	.85	8	401	510	0.016	50.13	0.79	1.000	0.99998
3693	2	5.37	14	2,245	186	0.075	160.37	12.07	2.000	0.99973
3702	10	10.10	184	11,172	674	0.273	60.72	16.58	1.000	0.99963
3751	1	1.02	7	427	837	0.008	60.97	0.51	1.000	0.99999
3873	1	2.08	1	124	767	0.001	124.10	0.16	1.000	0.99999
3878	4	9.90	59	10,921	758	0.078	185.10	14.41	1.400	0.99968
3891	1	3.93	1	236	408	0.002	235.65	0.58	1.000	0.99999
3892	1	.60	1	36	528	0.002	35.93	0.07	1.000	0.99999
3894	1	6.02	11	3,975	145	0.076	361.33	27.41	1.000	0.99939
3901	1	.63	1	37	750	0.001	37.08	0.05	1.000	0.99999
3903	3	10.03	8	2,283	262	0.031	285.36	8.71	1.000	0.99980
3913	2	12.35	42	10,146	916	0.046	241.56	11.08	2.000	0.99975
3951	2	1.97	8	347	852	0.009	43.34	0.41	1.000	0.99999
3952	4	4.08	15	1,077	802	0.019	71.78	1.34	1.000	0.99997
3953	2	3.53	50	5,500	458	0.109	110.00	12.01	1.000	0.99973
3981	6	10.07	36	3,146	1,298	0.028	87.39	2.42	1.500	0.99995
3982	3	5.45	17	2,042	1,743	0.010	120.15	1.17	1.000	0.99997
3991	6	9.57	33	3,813	618	0.053	115.54	6.17	1.430	0.99986
3992	3	4.62	26	2,283	128	0.203	87.82	17.84	1.000	0.99960
4031	2	3.23	2	194	601	0.003	97.06	0.32	1.000	0.99999
4091	5	12.02	63	7,889	1,055	0.060	125.21	7.48	1.000	0.99983
4092	1	1.03	6	372	401	0.015	61.98	0.93	1.000	0.99998
4101	5	15.18	2,748	519,046	888	3.095	188.88	584.51	3.100	0.98691
4102	3	8.98	516	126,821	514	1.004	245.78	246.73	1.000	0.99447
4132	1	2.77	11	1,825	551	0.020	165.93	3.31	1.000	0.99993
4133	15	83.45	899	160,193	639	1.407	178.19	250.69	1.410	0.99438
4134	10	2.73	234	4,519	835	0.280	19.31	5.41	1.000	0.99988
4135	1	5.80	1	348	41	0.024	347.53	8.48	1.000	0.99981
4136	4	9.83	7	1,047	674	0.010	149.52	1.55	1.000	0.99997
4138	1	1.08	1	64	570	0.002	64.48	0.11	1.000	0.99999
4141	1	2.07	1	124	62	0.016	124.10	2.00	1.000	0.99996
4152	3	5.98	39	4,562	1,270	0.031	116.97	3.59	1.440	0.99992
4153	1	2.32	1	138	1,183	0.001	138.15	0.12	1.000	0.99999
4154	2	15.77	2	947	1,428	0.001	473.26	0.66	1.000	0.99999
4171	1	.63	4	150	1,095	0.004	37.40	0.14	1.000	0.99999
4172	7	17.00	196	21,950	1,738	0.113	111.99	12.63	1.130	0.99972
4181	1	6.33	39	9,408	720	0.054	241.24	13.07	1.000	0.99971
4182	1	4.15	1	249	706	0.001	249.28	0.35	1.000	0.99999
4212	7	16.12	86	9,616	951	0.090	111.81	10.11	1.250	0.99977
4222	1	5.17	6	1,860	1,021	0.006	310.00	1.82	1.000	0.99996

4223	1	.98	12	710	1,106	0.011	59.15	0.64	1.000	0.99999
4301	1	1.05	30	1,877	110	0.273	62.57	17.06	1.000	0.99962
4302	2	2.63	2	157	637	0.003	78.70	0.25	2.000	0.99999
4303	3	3.63	56	4,227	1,367	0.041	75.48	3.09	1.300	0.99993
4311	1	1.63	30	2,940	711	0.042	97.98	4.13	1.000	0.99991
4312	1	2.83	3	510	925	0.003	170.10	0.55	1.000	0.99999
4321	2	3.37	2	202	661	0.003	100.95	0.31	2.000	0.99999
4323	1	1.15	1	69	316	0.003	68.85	0.22	1.000	0.99999
4324	5	8.42	5	505	1	5.000	101.00	505.00	5.000	0.98869
4326	1	2.38	1	143	345	0.003	143.02	0.41	1.000	0.99999
4341	2	20.60	26	13,943	1,750	0.015	536.25	7.97	1.000	0.99982
4342	2	3.70	16	2,140	779	0.021	133.73	2.75	1.000	0.99994
4343	9	41.92	248	45,483	1,655	0.150	183.40	27.48	1.010	0.99938
4344	3	14.78	10	1,471	334	0.030	147.06	4.40	1.000	0.99990
4361	4	18.95	48	6,950	1,530	0.031	144.79	4.54	1.000	0.99990
4364	3	8.17	6	691	749	0.008	115.21	0.92	1.000	0.99998
4371	4	13.78	15	4,994	1,424	0.011	332.91	3.51	1.000	0.99992
4372	2	3.50	6	621	399	0.015	103.58	1.56	1.000	0.99997
4386	7	15.62	317	27,842	1,623	0.195	87.83	17.15	1.070	0.99962
4431	2	1.60	92	4,713	1,204	0.076	51.23	3.91	1.000	0.99991
4511	2	4.55	21	1,539	1,096	0.019	73.29	1.40	1.000	0.99997
4512	1	1.18	1	70	1,077	0.001	70.13	0.07	1.000	0.99999
4513	1	5.97	5	1,786	760	0.007	357.25	2.35	1.000	0.99995
4602	3	4.40	279	14,268	850	0.328	51.14	16.79	1.990	0.99962
4692	2	5.95	119	29,352	419	0.284	246.65	70.05	1.000	0.99843
4714	5	13.82	26	1,944	301	0.086	74.76	6.46	1.730	0.99986
4783	1	2.20	1	132	235	0.004	132.12	0.56	1.000	0.99999
4794	1	2.28	8	1,090	375	0.021	136.28	2.91	1.000	0.99993
4891	1	1.68	1	101	452	0.002	101.00	0.22	1.000	0.99999
4902	1	5.05	1	303	1,188	0.001	303.10	0.26	1.000	0.99999
4906	2	3.08	120	9,534	1,224	0.098	79.45	7.79	1.000	0.99983
5601	3	14.35	19	7,029	1,224	0.016	369.97	5.74	1.000	0.99987
5602	3	3.35	81	7,846	613	0.132	96.86	12.80	1.000	0.99971
5603	3	3.77	3	227	1,378	0.002	75.67	0.16	1.000	0.99999
5641	1	1.32	1	79	306	0.003	79.00	0.26	1.000	0.99999
5901	1	1.57	1	94	862	0.001	93.90	0.11	1.000	0.99999
5902	1	1.23	1	73	889	0.001	73.47	0.08	1.000	0.99999
5904	1	17.68	25	26,510	1,261	0.020	1060.42	21.02	1.000	0.99953
5905	5	21.77	75	16,472	1,745	0.043	219.63	9.44	1.000	0.99979
6022	2	6.08	51	5,953	507	0.101	116.73	11.74	1.000	0.99974
6024	1	.85	12	612	369	0.033	51.00	1.66	1.000	0.99996
6141	3	4.57	643	59,442	537	1.197	92.44	110.69	2.000	0.99752

6142	2	2.22	9	622	301	0.030	69.07	2.07	1.000	0.99995
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	446	1,147.72	16,555	2,747,670	160,753	0.105	164.83	17.28	1.280	0.99961

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
08/01/2024 to 08/31/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	4	4.03	215	14,550	1,716	0.125	67.67	8.48	1.550	0.99981
1051	2	2.22	18	1,268	497	0.036	70.42	2.55	1.000	0.99994
1052	2	3.57	4	274	981	0.004	68.42	0.28	1.000	0.99999
1082	2	7.52	3	518	1,219	0.002	172.72	0.43	1.000	0.99999
1091	3	9.00	92	4,574	752	0.122	49.71	6.08	1.000	0.99986
1092	7	7.77	266	25,650	895	0.297	96.43	28.66	1.020	0.99936
1094	2	1.67	70	3,325	1,254	0.056	47.50	2.65	1.000	0.99994
1102	5	14.43	42	11,596	1,093	0.038	276.09	10.61	1.000	0.99976
1104	2	4.25	35	3,453	192	0.182	98.66	17.98	1.030	0.99960
1141	2	6.22	15	3,838	863	0.017	255.90	4.45	1.000	0.99990
1142	1	1.22	18	1,301	145	0.124	72.25	8.97	1.000	0.99980
1211	3	2.32	54	2,832	1,342	0.040	52.44	2.11	1.000	0.99995
1212	2	1.72	2	102	320	0.006	50.93	0.32	1.000	0.99999
1213	1	9.05	1	543	521	0.002	542.78	1.04	1.000	0.99998
1230	2	6.08	9	1,988	1,021	0.009	220.87	1.95	1.000	0.99996
1232	2	2.08	41	1,868	1,081	0.038	45.57	1.73	1.000	0.99996
1233	1	.65	58	2,281	606	0.096	39.33	3.76	1.000	0.99992
1241	2	3.37	10	874	804	0.012	87.40	1.09	1.000	0.99998
1243	7	11.20	74	11,500	1,151	0.064	155.41	9.99	1.000	0.99978
1271	1	.40	1	24	875	0.001	23.83	0.03	1.000	0.99999
1284	2	2.27	2	135	890	0.002	67.74	0.15	1.000	0.99999
1451	1	1.97	28	3,308	539	0.052	118.13	6.14	1.000	0.99986
1453	3	2.72	90	4,882	1,576	0.057	54.25	3.10	1.000	0.99993
1521	3	6.77	7	1,152	314	0.022	164.61	3.67	1.170	0.99992
1522	2	3.90	31	3,350	101	0.307	108.07	33.17	1.030	0.99926
1523	1	1.23	2	147	698	0.003	73.29	0.21	1.000	0.99999
1841	2	3.05	6	627	568	0.011	104.48	1.10	1.200	0.99998
1843	2	30.63	8	5,040	935	0.009	629.95	5.39	1.000	0.99988
2051	1	.83	1	49	181	0.006	49.30	0.27	1.000	0.99999
2091	4	9.07	466	66,889	739	0.631	143.54	90.51	1.080	0.99797
2092	1	1.57	24	2,270	750	0.032	94.60	3.03	1.000	0.99993
2171	2	4.78	68	15,742	473	0.144	231.49	33.28	1.000	0.99925

2172	1	1.58	1	95	214	0.005	94.85	0.44	1.000	0.99999
2211	1	.92	3	163	663	0.005	54.22	0.25	1.000	0.99999
2212	3	5.27	3	316	1,385	0.002	105.29	0.23	1.000	0.99999
2511	2	3.77	2	226	491	0.004	112.83	0.46	1.000	0.99999
2621	2	5.87	91	8,444	964	0.094	92.79	8.76	1.000	0.99980
2842	1	8.85	1	531	123	0.008	530.92	4.32	1.000	0.99990
2951	3	5.33	30	5,197	974	0.031	173.22	5.34	1.000	0.99988
2952	1	3.08	1	185	331	0.003	185.37	0.56	1.000	0.99999
2961	1	2.80	1	168	632	0.002	168.08	0.27	1.000	0.99999
3121	3	5.20	18	1,847	1,077	0.017	102.64	1.72	1.000	0.99996
3122	1	2.00	795	81,690	803	0.990	102.75	101.73	1.000	0.99772
3181	4	5.68	899	32,709	586	1.534	36.38	55.82	1.550	0.99875
3221	5	129.57	1,128	218,029	1,121	1.006	193.29	194.50	1.010	0.99564
3222	51	1,174.73	255	381,393	630	0.405	1495.66	605.39	1.040	0.98644
3231	1	1.02	2	122	195	0.010	60.97	0.63	1.000	0.99999
3304	4	3.97	2,666	147,830	1,113	2.395	55.45	132.82	2.400	0.99702
3311	1	1.87	10	1,116	515	0.019	111.58	2.17	1.000	0.99995
3315	2	3.72	5	643	1,530	0.003	128.53	0.42	1.000	0.99999
3422	2	6.87	2	413	855	0.002	206.35	0.48	1.000	0.99999
3423	3	4.10	3	246	342	0.009	81.95	0.72	1.000	0.99998
3471	1	8.87	1	532	423	0.002	531.75	1.26	1.000	0.99997
3472	6	7.62	64	4,994	1,101	0.058	78.03	4.54	1.000	0.99990
3551	1	2.00	7	840	954	0.007	120.00	0.88	1.000	0.99998
3553	2	4.22	22	1,300	787	0.028	59.11	1.65	1.000	0.99996
3591	3	13.63	10	3,856	1,587	0.006	385.56	2.43	1.000	0.99995
3592	5	13.02	1,782	91,759	1,754	1.016	51.49	52.31	1.020	0.99883
3593	1	5.53	6	1,994	943	0.006	332.27	2.11	1.000	0.99995
3594	7	14.37	48	7,054	888	0.054	146.97	7.94	1.000	0.99982
3621	2	2.13	41	3,001	1,386	0.030	73.19	2.17	1.000	0.99995
3661	1	.37	110	2,481	1,047	0.105	22.55	2.37	1.000	0.99995
3662	2	3.62	31	4,347	826	0.038	140.24	5.26	1.000	0.99988
3663	3	3.88	3	233	282	0.011	77.54	0.82	1.000	0.99998
3664	2	2.13	7	438	480	0.015	62.59	0.91	1.000	0.99998
3671	1	1.32	1	79	647	0.002	79.00	0.12	1.000	0.99999
3691	1	1.13	8	543	391	0.020	67.82	1.39	1.000	0.99997
3702	12	31.10	352	54,473	674	0.522	154.75	80.82	1.040	0.99819
3751	29	555.32	2,107	3,548,426	837	2.517	1684.11	4239.46	1.950	0.90503
3871	2	2.10	2	126	960	0.002	62.86	0.13	1.000	0.99999
3872	4	4.03	19	1,257	1,163	0.016	66.15	1.08	1.060	0.99998
3878	5	17.60	44	4,775	758	0.058	108.52	6.30	1.070	0.99986
3891	3	6.05	409	51,998	408	1.002	127.13	127.45	1.010	0.99715
3892	1	6.03	527	190,396	528	0.998	361.28	360.60	1.000	0.99192

3893	8	24.33	33	6,278	1,000	0.033	190.23	6.28	1.030	0.99986
3894	1	6.07	145	52,775	145	1.000	363.97	363.97	1.000	0.99185
3901	1	.32	739	13,573	750	0.985	18.37	18.10	1.000	0.99959
3903	1	1.93	29	3,368	262	0.111	116.15	12.86	1.000	0.99971
3912	1	1.40	48	4,006	1,366	0.035	83.45	2.93	1.000	0.99993
3951	4	3.55	80	4,380	852	0.094	54.75	5.14	1.010	0.99988
3952	4	3.72	15	978	802	0.019	65.21	1.22	1.070	0.99997
3971	1	.95	3	171	657	0.005	57.00	0.26	1.000	0.99999
3981	3	6.83	7	861	1,298	0.005	122.99	0.66	1.000	0.99999
3982	3	3.48	205	9,285	1,743	0.118	45.29	5.33	1.000	0.99988
3991	2	10.48	333	188,295	618	0.539	565.45	304.68	1.000	0.99317
3992	4	8.37	12	1,247	128	0.094	103.89	9.74	1.000	0.99978
4031	1	.93	1	56	601	0.002	56.00	0.09	1.000	0.99999
4091	6	12.03	1,430	3,049	1,055	1.355	2.13	2.89	1.010	0.99994
4092	1	1.47	6	525	401	0.015	87.53	1.31	1.000	0.99997
4101	6	21.63	162	33,339	888	0.182	205.80	37.54	1.010	0.99916
4102	1	1.78	1	107	514	0.002	106.97	0.21	1.000	0.99999
4134	3	4.70	25	3,572	835	0.030	142.86	4.28	1.090	0.99990
4137	1	.77	1	46	754	0.001	46.35	0.06	1.000	0.99999
4141	1	25.78	1	1,547	62	0.016	1546.92	24.95	1.000	0.99944
4142	2	42.22	17	3,958	525	0.032	232.80	7.54	1.000	0.99983
4152	3	2.35	51	1,805	1,270	0.040	35.38	1.42	1.000	0.99997
4153	1	.48	1	30	1,183	0.001	29.70	0.03	1.000	0.99999
4154	1	2.75	6	988	1,428	0.004	164.60	0.69	1.000	0.99998
4155	2	2.10	2	126	1,706	0.001	62.86	0.07	1.000	0.99999
4171	4	3.72	9	453	1,095	0.008	50.38	0.41	1.000	0.99999
4172	2	5.12	8	1,817	1,738	0.005	227.09	1.05	1.000	0.99998
4181	3	4.83	47	7,193	720	0.065	153.05	9.99	1.000	0.99978
4211	4	9.43	22	3,950	767	0.029	179.53	5.15	2.200	0.99988
4212	3	4.20	85	6,549	951	0.089	77.05	6.89	1.120	0.99985
4222	3	8.60	20	3,715	1,021	0.020	185.76	3.64	1.000	0.99992
4223	1	6.15	14	3,889	1,106	0.013	277.79	3.52	1.000	0.99992
4303	1	4.82	3	866	1,367	0.002	288.70	0.63	1.000	0.99999
4311	1	.72	40	1,682	711	0.056	42.05	2.37	1.000	0.99995
4312	1	.62	22	803	925	0.024	36.48	0.87	1.000	0.99998
4326	2	1.23	6	242	345	0.017	40.31	0.70	1.000	0.99998
4331	1	1.45	25	2,192	296	0.084	87.68	7.41	1.000	0.99983
4333	1	.20	81	977	715	0.113	12.07	1.37	1.000	0.99997
4341	2	2.15	1,296	110,934	1,750	0.741	85.60	63.39	1.000	0.99858
4343	2	2.67	27	1,630	1,655	0.016	60.36	0.98	1.000	0.99998
4344	2	3.37	3	337	334	0.009	112.36	1.01	1.000	0.99998
4361	4	5.82	56	8,968	1,530	0.037	160.14	5.86	1.000	0.99987

4363	2	1.62	50	2,425	705	0.071	48.49	3.44	1.000	0.99992
4364	4	4.43	158	8,740	749	0.211	55.32	11.67	1.150	0.99974
4371	2	2.18	45	3,612	1,424	0.032	80.27	2.54	1.000	0.99994
4372	3	6.40	73	9,080	399	0.183	124.39	22.76	1.000	0.99949
4386	2	3.12	294	26,224	1,623	0.181	89.20	16.16	1.000	0.99964
4431	78	1,099.55	612	607,953	1,204	0.508	993.39	504.95	1.190	0.98869
4432	6	234.92	87	121,239	355	0.245	1393.55	341.52	1.000	0.99235
4511	2	8.38	6	2,213	1,096	0.005	368.88	2.02	1.000	0.99995
4512	1	.73	1	45	1,077	0.001	44.52	0.04	1.000	0.99999
4601	1	.62	2	74	368	0.005	36.89	0.20	1.000	0.99999
4602	2	1.40	2	84	850	0.002	41.87	0.10	1.000	0.99999
4692	1	.32	48	915	419	0.115	19.07	2.18	1.000	0.99995
4712	1	.53	1	31	117	0.009	31.42	0.27	1.000	0.99999
4783	1	1.02	1	61	235	0.004	60.87	0.26	1.000	0.99999
4784	1	1.62	20	1,938	361	0.055	96.90	5.37	1.000	0.99988
4791	2	5.72	22	4,851	628	0.035	220.50	7.72	1.000	0.99983
4891	1	1.92	1	115	452	0.002	115.05	0.25	1.000	0.99999
4892	1	.78	1	47	271	0.004	47.43	0.18	1.000	0.99999
4902	1	.63	42	1,616	1,188	0.035	38.48	1.36	1.000	0.99997
4906	2	4.07	100	12,976	1,224	0.082	129.76	10.60	1.000	0.99976
5601	2	1.72	7	446	1,224	0.006	63.65	0.36	1.000	0.99999
5603	7	19.13	1,477	109,698	1,378	1.072	74.27	79.61	1.080	0.99822
5641	1	.45	304	8,426	306	0.993	27.72	27.54	1.000	0.99938
5901	1	.68	1	40	862	0.001	40.20	0.05	1.000	0.99999
5903	1	.35	1	20	263	0.004	20.33	0.08	1.000	0.99999
5904	1	5.28	1	317	1,261	0.001	316.58	0.25	1.000	0.99999
5905	4	2.70	82	3,985	1,745	0.047	48.60	2.28	1.000	0.99995
6021	2	3.75	1,266	37,724	1,259	1.006	29.80	29.96	1.010	0.99933
6024	2	1.95	38	1,458	369	0.103	38.36	3.95	1.000	0.99991
6141	3	2.97	540	19,658	537	1.006	36.40	36.61	1.010	0.99918
6143	1	3.23	307	59,471	308	0.997	193.72	193.09	1.000	0.99567
6144	1	3.25	236	45,808	240	0.983	194.10	190.87	1.000	0.99572

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	502	3,930.72	24,221	6,634,067	160,753	0.151	273.90	41.27	1.160	0.99908

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
09/01/2024 to 09/30/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	9.02	74	5,820	1,716	0.043	78.65	3.39	1.000	0.99992
1051	3	7.92	43	7,850	497	0.087	182.55	15.79	1.020	0.99963
1082	11	9.22	60	3,285	1,219	0.049	54.75	2.69	1.200	0.99994
1091	2	1.98	2	119	752	0.003	59.55	0.16	1.000	0.99999
1092	7	5.58	20	1,151	895	0.022	57.53	1.29	1.000	0.99997
1093	2	1.87	2	112	206	0.010	55.99	0.54	1.000	0.99999
1094	7	8.97	92	9,892	1,254	0.073	107.53	7.89	1.000	0.99982
1102	4	5.80	75	7,811	1,093	0.069	104.14	7.15	1.070	0.99983
1103	6	5.72	74	4,265	857	0.086	57.64	4.98	1.000	0.99988
1104	1	.43	16	406	192	0.083	25.38	2.12	1.000	0.99995
1211	1	2.52	1	151	1,342	0.001	151.00	0.11	1.000	0.99999
1212	1	1.38	1	83	320	0.003	82.92	0.26	1.000	0.99999
1230	2	3.38	2	202	1,021	0.002	101.24	0.20	1.000	0.99999
1232	3	3.45	8	577	1,081	0.007	72.18	0.53	1.000	0.99999
1241	2	1.95	63	4,025	804	0.078	63.90	5.01	1.000	0.99988
1242	2	1.50	37	2,829	735	0.050	76.45	3.85	1.000	0.99991
1243	1	1.60	78	7,539	1,151	0.068	96.65	6.55	1.000	0.99985
1271	2	2.15	9	647	875	0.010	71.87	0.74	1.000	0.99998
1273	1	1.87	1	113	793	0.001	112.67	0.14	1.000	0.99999
1282	1	.53	1	31	677	0.001	31.42	0.05	1.000	0.99999
1285	1	1.27	84	6,341	1,115	0.075	75.48	5.69	1.000	0.99987
1312	1	.63	1	38	849	0.001	38.12	0.04	1.000	0.99999
1451	1	.63	5	187	539	0.009	37.32	0.35	1.000	0.99999
1453	7	7.12	123	7,760	1,576	0.078	63.09	4.92	1.410	0.99989
1454	1	4.22	1	253	824	0.001	253.15	0.31	1.000	0.99999
1455	1	1.20	1	72	389	0.003	72.05	0.19	1.000	0.99999
1521	1	1.25	1	75	314	0.003	75.33	0.24	1.000	0.99999
1523	1	1.22	1	73	698	0.001	73.28	0.10	1.000	0.99999
1842	1	1.47	37	3,268	247	0.150	88.33	13.23	1.000	0.99969
2091	2	3.58	9	704	739	0.012	78.22	0.95	1.000	0.99998
2092	3	2.72	7	429	750	0.009	61.25	0.57	1.000	0.99999
2172	1	1.25	6	449	214	0.028	74.80	2.10	1.000	0.99995

2211	3	2.03	64	2,267	663	0.097	35.42	3.42	1.000	0.99992
2212	6	14.75	103	18,841	1,385	0.074	182.92	13.60	1.000	0.99969
2492	1	.93	1	55	26	0.038	55.33	2.13	1.000	0.99995
2501	1	1.07	1	63	69	0.014	63.22	0.92	1.000	0.99998
2511	2	3.30	2	198	491	0.004	98.78	0.40	1.000	0.99999
2621	1	2.47	4	592	964	0.004	147.97	0.61	1.000	0.99999
2951	2	2.42	50	3,373	974	0.051	67.45	3.46	1.000	0.99992
2952	2	.70	2	43	331	0.006	21.33	0.13	1.000	0.99999
2961	3	12.38	98	37,202	632	0.155	379.61	58.86	1.000	0.99864
3121	3	7.85	33	10,791	1,077	0.031	326.99	10.02	1.000	0.99977
3122	3	10.98	805	34,140	803	1.002	42.41	42.52	1.020	0.99902
3222	2	9.13	2	549	630	0.003	274.27	0.87	1.000	0.99998
3301	3	6.03	245	57,558	714	0.343	234.93	80.61	1.010	0.99813
3303	1	2.48	1	148	1,382	0.001	148.48	0.11	1.000	0.99999
3304	2	2.47	81	6,894	1,113	0.073	85.11	6.19	1.000	0.99986
3313	1	2.67	507	67,448	1,505	0.337	133.03	44.82	1.000	0.99896
3422	1	.55	1	33	855	0.001	33.18	0.04	1.000	0.99999
3471	2	1.47	2	88	423	0.005	43.80	0.21	1.000	0.99999
3472	3	2.47	18	708	1,101	0.016	39.36	0.64	1.000	0.99999
3551	1	.77	1	47	954	0.001	46.57	0.05	1.000	0.99999
3553	1	2.78	1	167	787	0.001	166.77	0.21	1.000	0.99999
3591	2	1.67	62	3,034	1,587	0.039	48.94	1.91	1.000	0.99996
3592	7	18.42	16	1,928	1,754	0.009	120.52	1.10	1.140	0.99997
3593	7	11.97	1,041	164,815	943	1.104	158.32	174.78	1.130	0.99595
3594	4	5.92	82	7,541	888	0.092	91.96	8.49	1.000	0.99980
3661	2	1.63	136	7,632	1,047	0.130	56.11	7.29	1.010	0.99983
3663	1	.53	3	97	282	0.011	32.47	0.35	1.000	0.99999
3664	3	3.48	9	386	480	0.019	42.85	0.80	1.000	0.99998
3694	1	2.17	1	130	534	0.002	130.48	0.24	1.000	0.99999
3701	2	1.62	2	98	526	0.004	48.85	0.19	1.000	0.99999
3751	2	2.67	14	1,119	837	0.017	79.92	1.34	2.000	0.99997
3871	1	2.43	1	146	960	0.001	146.00	0.15	1.000	0.99999
3873	4	3.95	8	485	767	0.010	60.57	0.63	1.000	0.99999
3878	1	1.08	18	1,177	758	0.024	65.37	1.55	1.000	0.99996
3891	2	1.30	15	639	408	0.037	42.58	1.57	1.000	0.99996
3892	1	1.03	1	62	528	0.002	61.70	0.12	1.000	0.99999
3893	5	5.68	7	392	1,000	0.007	55.95	0.39	1.000	0.99999
3894	1	.57	1	34	145	0.007	34.40	0.24	1.000	0.99999
3901	1	5.40	737	238,923	750	0.983	324.18	318.56	1.000	0.99263
3903	1	2.50	222	33,256	262	0.847	149.80	126.93	1.000	0.99706
3912	2	3.85	500	19,643	1,366	0.366	39.29	14.38	1.010	0.99967
3913	4	4.43	383	47,005	916	0.418	122.73	51.32	1.000	0.99881

3951	8	26.10	59	10,498	852	0.069	177.93	12.32	1.000	0.99971
3952	2	1.42	13	584	802	0.016	44.93	0.73	1.000	0.99998
3953	5	6.17	32	2,287	458	0.070	71.48	4.99	1.000	0.99988
3981	4	9.27	54	11,831	1,298	0.042	219.09	9.11	1.000	0.99979
3982	8	11.38	1,984	79,203	1,743	1.138	39.92	45.44	1.150	0.99895
3991	4	5.90	26	2,457	618	0.042	94.50	3.98	1.000	0.99991
3992	2	2.63	10	798	128	0.078	79.80	6.23	1.000	0.99986
4031	4	9.00	67	4,530	601	0.111	67.62	7.54	1.000	0.99983
4091	1	1.28	7	541	1,055	0.007	77.28	0.51	1.000	0.99999
4092	1	.95	6	342	401	0.015	56.98	0.85	1.000	0.99998
4101	6	18.00	114	15,016	888	0.128	131.72	16.91	1.190	0.99961
4102	4	1.25	562	19,994	514	1.093	35.58	38.90	1.090	0.99910
4131	2	3.12	2	187	192	0.010	93.28	0.97	1.000	0.99998
4132	1	2.83	1	170	551	0.002	170.33	0.31	1.000	0.99999
4137	1	2.00	1	120	754	0.001	120.02	0.16	1.000	0.99999
4138	3	4.78	27	2,340	570	0.047	86.68	4.11	1.000	0.99990
4142	2	5.35	11	1,603	525	0.021	145.68	3.05	1.000	0.99993
4152	4	3.70	26	1,613	1,270	0.020	62.05	1.27	1.000	0.99997
4153	1	2.93	21	3,693	1,183	0.018	175.85	3.12	1.000	0.99993
4154	1	1.00	32	1,931	1,428	0.022	60.33	1.35	1.000	0.99997
4155	2	6.08	10	2,906	1,706	0.006	290.62	1.70	1.000	0.99996
4171	3	8.12	20	1,592	1,095	0.018	79.61	1.45	1.000	0.99997
4172	3	2.30	3	138	1,738	0.002	45.88	0.08	1.000	0.99999
4181	7	8.08	131	11,658	720	0.182	88.99	16.19	1.440	0.99963
4182	2	2.50	2	150	706	0.003	75.04	0.21	1.000	0.99999
4211	2	2.38	13	874	767	0.017	67.20	1.14	1.000	0.99997
4212	8	6.58	142	8,145	951	0.149	57.36	8.56	1.170	0.99980
4312	1	2.93	16	2,804	925	0.017	175.27	3.03	1.000	0.99993
4321	5	4.38	162	10,098	661	0.245	62.33	15.28	1.140	0.99965
4332	1	.75	1	45	373	0.003	44.87	0.12	1.000	0.99999
4341	6	11.05	30	3,916	1,750	0.017	130.53	2.24	1.000	0.99995
4342	1	.68	1	41	779	0.001	41.45	0.05	1.000	0.99999
4343	2	1.75	31	1,905	1,655	0.019	61.47	1.15	1.000	0.99997
4344	2	.77	2	46	334	0.006	23.06	0.14	1.000	0.99999
4361	3	9.27	48	12,229	1,530	0.031	254.76	7.99	1.000	0.99981
4363	1	6.15	14	5,166	705	0.020	369.02	7.33	1.000	0.99983
4364	1	1.18	1	71	749	0.001	71.05	0.09	1.000	0.99999
4371	3	5.03	3	302	1,424	0.002	100.74	0.21	1.000	0.99999
4373	1	3.13	488	91,703	713	0.684	187.92	128.62	1.000	0.99702
4385	2	.92	42	1,122	1,021	0.041	26.70	1.10	1.000	0.99997
4386	2	1.52	293	18,381	1,623	0.181	62.73	11.33	1.000	0.99974
4431	3	7.33	69	3,787	1,204	0.057	54.88	3.15	1.000	0.99993

4432	1	3.18	186	16,365	355	0.524	87.99	46.10	1.000	0.99893
4511	3	1.73	3	104	1,096	0.003	34.72	0.10	1.000	0.99999
4512	1	6.15	97	35,785	1,077	0.090	368.92	33.23	1.000	0.99923
4601	2	2.85	8	684	368	0.022	85.56	1.86	2.000	0.99996
4602	1	1.03	47	2,898	850	0.055	61.67	3.41	1.000	0.99992
4692	2	2.72	9	753	419	0.021	83.70	1.80	1.000	0.99996
4712	2	10.35	12	6,228	117	0.103	519.04	53.23	1.000	0.99877
4714	1	1.03	5	310	301	0.017	62.00	1.03	1.000	0.99998
4891	1	1.37	1	81	452	0.002	81.23	0.18	1.000	0.99999
4906	3	5.90	36	1,167	1,224	0.029	32.43	0.95	1.800	0.99998
5602	1	2.00	1	120	613	0.002	120.38	0.20	1.000	0.99999
5603	7	8.98	74	12,013	1,378	0.054	162.33	8.72	1.000	0.99980
5901	1	1.35	10	810	862	0.012	80.98	0.94	1.000	0.99998
5904	2	9.32	10	1,298	1,261	0.008	129.82	1.03	1.110	0.99998
5905	3	2.17	30	1,001	1,745	0.017	33.38	0.57	1.030	0.99999
6021	5	4.47	1,280	27,234	1,259	1.017	21.28	21.63	1.020	0.99950
6022	2	2.77	505	11,169	507	0.996	22.12	22.03	1.010	0.99949
6023	2	2.22	114	2,214	113	1.009	19.42	19.59	1.010	0.99955
6024	1	3.33	366	73,115	369	0.992	199.77	198.14	1.000	0.99541
6141	1	2.02	1	121	537	0.002	120.77	0.22	1.000	0.99999
6142	1	2.23	13	1,741	301	0.043	133.90	5.78	1.000	0.99987
6143	1	1.85	1	111	308	0.003	110.82	0.36	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	352	566.37	13,602	1,378,443	160,753	0.085	101.34	8.57	1.050	0.99980

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
10/01/2024 to 10/31/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	5.05	391	27,359	1,716	0.228	69.97	15.94	1.000	0.99964
1051	8	8.38	58	3,366	497	0.117	58.03	6.77	1.000	0.99985
1082	4	4.45	17	987	1,219	0.014	58.08	0.81	1.060	0.99998
1091	6	25.17	84	17,105	752	0.112	203.63	22.75	1.010	0.99949
1092	2	1.07	4	125	895	0.004	31.29	0.14	2.000	0.99999
1094	2	2.03	124	5,993	1,254	0.099	48.33	4.78	1.000	0.99989
1102	8	13.70	129	22,210	1,093	0.118	172.17	20.32	1.070	0.99954
1103	1	1.02	33	2,013	857	0.039	61.00	2.35	1.000	0.99995
1141	2	3.47	48	4,950	863	0.056	103.13	5.74	2.000	0.99987
1142	1	1.10	1	66	145	0.007	65.92	0.45	1.000	0.99999
1211	4	5.07	29	1,465	1,342	0.022	50.53	1.09	1.040	0.99998
1213	3	2.60	4	241	521	0.008	60.19	0.46	1.000	0.99999
1230	3	2.83	4	200	1,021	0.004	50.12	0.20	1.000	0.99999
1232	5	10.42	49	4,410	1,081	0.045	90.00	4.08	1.000	0.99991
1271	4	5.77	26	1,850	875	0.030	71.17	2.11	1.300	0.99995
1282	3	1.80	3	109	677	0.004	36.47	0.16	1.500	0.99999
1283	1	.47	1	28	316	0.003	28.27	0.09	1.000	0.99999
1284	2	2.68	43	2,934	890	0.048	68.24	3.30	1.000	0.99993
1311	1	1.48	1	89	228	0.004	89.22	0.39	1.000	0.99999
1312	1	1.43	36	3,115	849	0.042	86.53	3.67	1.000	0.99992
1452	2	2.35	2	140	404	0.005	70.16	0.35	1.000	0.99999
1453	5	4.98	76	4,187	1,576	0.048	55.09	2.66	1.010	0.99994
1454	1	.58	1	36	824	0.001	35.87	0.04	1.000	0.99999
1521	1	.98	7	411	314	0.022	58.65	1.31	1.000	0.99997
1523	5	5.55	40	1,930	698	0.057	48.25	2.76	1.000	0.99994
1843	3	6.25	131	16,251	935	0.140	124.06	17.38	1.070	0.99961
2091	3	4.58	3	275	739	0.004	91.57	0.37	1.500	0.99999
2092	5	10.27	56	5,880	750	0.075	105.00	7.84	1.370	0.99982
2171	6	9.65	47	2,444	473	0.099	52.00	5.17	1.810	0.99988
2211	7	4.75	45	1,544	663	0.068	34.32	2.33	1.070	0.99995
2212	3	4.48	34	1,552	1,385	0.025	45.64	1.12	1.000	0.99997
2491	1	1.95	1	116	52	0.019	116.27	2.24	1.000	0.99995

2511	1	1.27	1	76	491	0.002	76.05	0.15	1.000	0.99999
2621	5	13.65	33	6,680	964	0.034	202.42	6.93	1.000	0.99984
2921	2	2.55	2	153	370	0.005	76.71	0.41	1.000	0.99999
2951	5	15.00	1,140	83,836	974	1.170	73.54	86.07	1.180	0.99807
2961	4	4.55	31	2,169	632	0.049	69.96	3.43	1.000	0.99992
3041	1	2.58	2	309	63	0.032	154.65	4.91	1.000	0.99989
3121	4	3.65	19	847	1,077	0.018	44.60	0.79	2.710	0.99998
3122	5	5.33	25	2,056	803	0.031	82.24	2.56	1.000	0.99994
3123	1	5.32	2	639	1,080	0.002	319.74	0.59	1.000	0.99999
3221	2	1.25	28	768	1,121	0.025	27.43	0.69	1.000	0.99998
3222	1	1.68	1	101	630	0.002	101.12	0.16	1.000	0.99999
3301	4	2.53	74	2,832	714	0.104	38.28	3.97	1.420	0.99991
3303	4	2.80	51	2,533	1,382	0.037	49.67	1.83	1.890	0.99996
3313	2	1.97	6	356	1,505	0.004	59.25	0.24	2.000	0.99999
3314	2	3.32	40	4,965	204	0.196	124.13	24.34	1.030	0.99945
3315	4	10.52	72	17,172	1,530	0.047	238.51	11.22	1.000	0.99975
3422	1	2.15	7	907	855	0.008	129.50	1.06	1.000	0.99998
3423	1	1.53	1	92	342	0.003	92.37	0.27	1.000	0.99999
3471	1	1.28	3	228	423	0.007	76.15	0.54	1.000	0.99999
3472	5	8.20	52	4,908	1,101	0.047	94.38	4.46	1.000	0.99990
3551	2	5.73	2	343	954	0.002	171.27	0.36	2.000	0.99999
3553	2	6.20	2	372	787	0.003	186.04	0.47	1.000	0.99999
3591	2	2.47	46	3,502	1,587	0.029	76.12	2.21	1.000	0.99995
3592	4	9.20	35	4,735	1,754	0.020	135.29	2.70	1.000	0.99994
3593	2	1.85	80	4,049	943	0.085	50.61	4.29	1.000	0.99990
3621	7	7.70	1,738	117,975	1,386	1.254	67.88	85.12	1.290	0.99809
3662	3	1.25	23	533	826	0.028	23.19	0.65	1.000	0.99999
3663	3	2.72	9	489	282	0.032	54.29	1.73	3.000	0.99996
3664	6	6.28	61	2,827	480	0.127	46.35	5.89	1.690	0.99987
3671	4	6.05	46	3,726	647	0.071	81.00	5.76	2.880	0.99987
3675	1	1.32	1	79	510	0.002	78.95	0.15	1.000	0.99999
3693	1	2.20	1	132	186	0.005	132.05	0.71	1.000	0.99998
3701	8	8.78	60	3,719	526	0.114	61.98	7.07	1.000	0.99984
3702	2	1.72	28	1,295	674	0.042	46.24	1.92	1.000	0.99996
3751	1	2.18	1	131	837	0.001	131.00	0.16	1.000	0.99999
3871	6	5.37	159	10,593	960	0.166	66.62	11.03	1.010	0.99975
3872	4	3.63	110	4,753	1,163	0.095	43.21	4.09	1.960	0.99991
3873	1	.90	30	1,620	767	0.039	54.00	2.11	1.000	0.99995
3878	3	2.87	41	2,366	758	0.054	57.70	3.12	1.780	0.99993
3891	1	.53	75	2,364	408	0.184	31.52	5.79	1.000	0.99987
3892	4	6.48	1,057	151,739	528	2.002	143.56	287.38	2.010	0.99356
3893	8	7.27	19	898	1,000	0.019	47.24	0.90	1.060	0.99998

3894	3	1.82	165	8,984	145	1.138	54.45	61.96	1.140	0.99861
3901	1	.70	42	1,770	750	0.056	42.15	2.36	1.000	0.99995
3902	1	1.27	1	76	74	0.014	76.08	1.03	1.000	0.99998
3912	2	2.18	25	1,669	1,366	0.018	66.74	1.22	1.000	0.99997
3913	1	1.48	88	7,880	916	0.096	89.55	8.60	1.000	0.99981
3951	3	6.90	138	43,350	852	0.162	314.13	50.88	1.000	0.99886
3952	1	1.13	12	818	802	0.015	68.13	1.02	1.000	0.99998
3953	6	6.52	38	2,708	458	0.083	71.27	5.91	2.530	0.99987
3971	5	6.72	59	4,606	657	0.090	78.06	7.01	2.570	0.99984
3981	9	12.05	24	2,152	1,298	0.018	89.69	1.66	1.500	0.99996
3982	9	10.52	2,123	62,814	1,743	1.218	29.59	36.04	1.230	0.99919
3991	5	7.47	51	3,941	618	0.083	77.28	6.38	1.000	0.99986
3992	2	2.87	7	449	128	0.055	64.12	3.51	1.170	0.99992
4031	1	1.27	1	76	601	0.002	75.50	0.13	1.000	0.99999
4091	7	26.37	438	121,410	1,055	0.415	277.19	115.08	1.050	0.99742
4092	1	.73	1	44	401	0.002	43.75	0.11	1.000	0.99999
4101	6	6.85	57	5,429	888	0.064	95.24	6.11	1.060	0.99986
4102	2	1.90	1,026	58,756	514	1.996	57.27	114.31	2.000	0.99744
4132	2	.83	2	50	551	0.004	24.87	0.09	2.000	0.99999
4133	2	4.23	2	254	639	0.003	126.94	0.40	1.000	0.99999
4138	4	4.35	14	887	570	0.025	63.36	1.56	1.080	0.99997
4142	1	1.05	21	1,322	525	0.040	62.97	2.52	1.000	0.99994
4152	1	1.17	23	1,597	1,270	0.018	69.45	1.26	1.000	0.99997
4171	5	3.90	60	2,681	1,095	0.055	44.68	2.45	1.540	0.99995
4182	2	1.62	24	1,028	706	0.034	42.84	1.46	1.000	0.99997
4211	7	8.57	80	4,409	767	0.104	55.12	5.75	3.200	0.99987
4212	14	17.87	107	8,090	951	0.113	75.61	8.51	1.180	0.99981
4222	3	5.82	11	964	1,021	0.011	87.60	0.94	1.380	0.99998
4223	1	1.37	20	1,651	1,106	0.018	82.57	1.49	1.000	0.99997
4224	2	6.65	13	952	766	0.017	73.21	1.24	1.000	0.99997
4303	2	2.82	55	4,408	1,367	0.040	80.14	3.22	1.000	0.99993
4311	1	1.78	22	2,350	711	0.031	106.80	3.30	1.000	0.99993
4321	1	5.87	1	352	661	0.002	351.70	0.53	1.000	0.99999
4322	2	2.23	2	133	3	0.667	66.73	44.48	1.000	0.99900
4331	2	2.05	313	18,520	296	1.057	59.17	62.57	1.080	0.99860
4332	1	.98	373	21,839	373	1.000	58.55	58.55	1.000	0.99869
4333	1	1.00	713	42,661	715	0.997	59.83	59.67	1.000	0.99866
4334	1	.73	221	9,650	222	0.995	43.67	43.47	1.000	0.99903
4342	1	.92	1	55	779	0.001	55.32	0.07	1.000	0.99999
4343	1	.77	1	46	1,655	0.001	46.18	0.03	1.000	0.99999
4344	1	5.18	1	311	334	0.003	310.53	0.93	1.000	0.99998
4361	5	9.50	1,609	209,109	1,530	1.052	129.96	136.67	1.060	0.99694

4362	1	2.20	765	100,483	767	0.997	131.35	131.01	1.000	0.99707
4363	3	4.60	741	94,856	705	1.051	128.01	134.55	1.060	0.99699
4364	1	2.20	737	96,793	749	0.984	131.33	129.23	1.000	0.99711
4371	4	7.33	62	6,568	1,424	0.044	105.94	4.61	1.000	0.99990
4373	3	6.73	489	96,632	713	0.686	197.61	135.53	1.000	0.99696
4385	3	5.67	83	12,086	1,021	0.081	145.61	11.84	1.980	0.99973
4386	1	1.62	193	18,615	1,623	0.119	96.45	11.47	1.000	0.99974
4431	8	27.53	104	8,839	1,204	0.086	84.99	7.34	1.000	0.99984
4432	1	3.33	1	200	355	0.003	200.15	0.56	1.000	0.99999
4511	2	2.30	48	3,278	1,096	0.044	68.28	2.99	2.000	0.99993
4512	3	8.13	4	784	1,077	0.004	195.98	0.73	1.330	0.99998
4513	1	2.73	1	164	760	0.001	163.68	0.22	1.000	0.99999
4602	4	3.03	188	8,587	850	0.221	45.68	10.10	4.000	0.99977
4692	1	1.02	11	671	419	0.026	61.00	1.60	1.000	0.99996
4791	7	9.58	45	4,769	628	0.072	105.97	7.59	1.020	0.99983
4794	8	4.05	8	242	375	0.021	30.22	0.64	1.000	0.99999
4903	1	.65	2	77	144	0.014	38.40	0.53	1.000	0.99999
5601	8	10.05	98	3,719	1,224	0.080	37.95	3.04	1.030	0.99993
5603	7	8.30	2,749	175,347	1,378	1.995	63.79	127.25	2.020	0.99715
5902	2	2.03	19	1,411	889	0.021	74.25	1.59	1.000	0.99996
5904	2	9.73	2	584	1,261	0.002	292.10	0.46	2.000	0.99999
5905	2	2.65	73	5,773	1,745	0.042	79.08	3.31	1.970	0.99993
6021	4	7.00	1,291	211,813	1,259	1.025	164.07	168.24	1.030	0.99623
6022	1	1.17	1	70	507	0.002	69.70	0.14	1.000	0.99999
6023	1	.78	1	47	113	0.009	47.45	0.42	1.000	0.99999
6024	2	2.73	24	1,965	369	0.065	81.88	5.33	2.000	0.99988
6141	2	2.45	2	147	537	0.004	73.73	0.27	1.000	0.99999
6142	1	1.03	1	62	301	0.003	62.12	0.21	1.000	0.99999
6402	1	.88	26	1,386	132	0.197	53.32	10.50	1.000	0.99976
6403	1	7.13	1	428	215	0.005	427.88	1.99	1.000	0.99996

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	452	678.85	22,497	2,099,895	160,753	0.140	93.34	13.06	1.250	0.99971

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
11/01/2024 to 11/30/2024
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	.83	47	2,326	1,716	0.027	49.48	1.36	1.000	0.99997
1051	1	1.58	36	3,407	497	0.072	94.63	6.85	1.000	0.99984
1052	3	2.63	43	2,355	981	0.044	54.77	2.40	1.000	0.99994
1082	7	22.92	381	38,406	1,219	0.313	100.80	31.51	1.000	0.99927
1091	2	1.65	51	981	752	0.068	19.23	1.30	1.000	0.99997
1092	3	3.73	890	86,146	895	0.994	96.79	96.25	1.000	0.99777
1093	3	11.05	4	929	206	0.019	232.15	4.51	1.330	0.99990
1094	6	5.82	109	3,504	1,254	0.087	32.15	2.79	1.000	0.99994
1102	2	6.58	7	707	1,093	0.006	101.05	0.65	1.000	0.99999
1103	2	6.22	57	12,178	857	0.067	213.65	14.21	1.000	0.99967
1104	1	1.95	1	117	192	0.005	117.08	0.61	1.000	0.99999
1141	1	.75	1	44	863	0.001	44.33	0.05	1.000	0.99999
1211	2	2.35	16	886	1,342	0.012	55.38	0.66	1.000	0.99998
1212	1	1.12	1	67	320	0.003	67.03	0.21	1.000	0.99999
1213	1	1.43	1	86	521	0.002	86.33	0.17	1.000	0.99999
1232	2	3.83	46	7,098	1,081	0.043	154.30	6.57	1.000	0.99985
1242	1	1.05	13	820	735	0.018	63.05	1.12	1.000	0.99997
1243	3	4.00	100	6,664	1,151	0.087	66.64	5.79	1.000	0.99987
1273	1	.70	1	42	793	0.001	41.72	0.05	1.000	0.99999
1282	3	8.68	6	1,367	677	0.009	227.89	2.02	1.000	0.99995
1285	4	6.82	108	6,744	1,115	0.097	62.44	6.05	1.010	0.99986
1311	1	5.52	1	332	228	0.004	331.80	1.46	1.000	0.99997
1312	5	3.60	881	43,324	849	1.038	49.18	51.03	1.050	0.99882
1451	1	.40	23	533	539	0.043	23.17	0.99	1.000	0.99998
1452	1	.83	1	50	404	0.002	50.47	0.12	1.000	0.99999
1454	2	3.87	3	446	824	0.004	148.63	0.54	1.000	0.99999
1523	2	5.97	4	648	698	0.006	162.12	0.93	1.000	0.99998
1841	7	6.07	62	3,661	568	0.109	59.05	6.45	1.000	0.99985
1843	2	8.27	20	2,649	935	0.021	132.43	2.83	1.000	0.99993
2051	1	.80	1	48	181	0.006	48.18	0.27	1.000	0.99999
2091	6	7.98	427	43,613	739	0.578	102.14	59.02	1.010	0.99863
2092	2	5.95	2	357	750	0.003	178.41	0.48	2.000	0.99999

2171	2	4.35	9	1,262	473	0.019	140.20	2.67	1.000	0.99994
2211	3	5.82	78	9,396	663	0.118	120.47	14.17	1.000	0.99967
2212	4	4.03	75	4,073	1,385	0.054	54.31	2.94	1.740	0.99993
2621	4	5.60	8	708	964	0.008	88.47	0.73	1.000	0.99998
2921	1	.48	12	339	370	0.032	28.22	0.92	1.000	0.99998
2951	2	1.62	2	83	974	0.002	41.32	0.08	1.000	0.99999
2961	2	1.93	2	116	632	0.003	58.14	0.18	1.000	0.99999
3121	3	3.77	1,078	70,318	1,077	1.001	65.23	65.29	1.010	0.99849
3122	6	12.42	83	17,054	803	0.103	205.47	21.24	1.010	0.99951
3123	3	2.80	6	206	1,080	0.006	34.38	0.19	1.000	0.99999
3221	2	2.77	11	895	1,121	0.010	81.34	0.80	1.000	0.99998
3222	1	.90	1	54	630	0.002	53.88	0.09	1.000	0.99999
3301	4	3.13	62	4,092	714	0.087	65.99	5.73	1.030	0.99987
3302	1	.77	61	2,779	679	0.090	45.55	4.09	1.000	0.99991
3303	3	5.22	23	2,671	1,382	0.017	116.14	1.93	1.000	0.99996
3304	5	8.77	1,114	263,100	1,113	1.001	236.18	236.39	1.000	0.99453
3311	1	1.03	10	613	515	0.019	61.30	1.19	1.000	0.99997
3315	2	2.58	18	733	1,530	0.012	40.70	0.48	1.000	0.99999
3422	3	9.20	112	13,927	855	0.131	124.35	16.29	1.020	0.99962
3471	1	1.78	35	3,754	423	0.083	107.25	8.87	1.000	0.99979
3472	5	11.90	1,099	135,012	1,101	0.998	122.85	122.63	1.010	0.99716
3551	2	9.80	964	359,707	954	1.010	373.14	377.05	1.040	0.99127
3552	2	4.25	12	1,376	504	0.024	114.71	2.73	1.000	0.99994
3553	1	1.15	29	2,014	787	0.037	69.45	2.56	1.000	0.99994
3591	1	.68	24	973	1,587	0.015	40.53	0.61	1.000	0.99999
3592	2	4.03	89	8,685	1,754	0.051	97.58	4.95	1.000	0.99989
3593	5	12.67	75	9,219	943	0.080	122.91	9.78	1.000	0.99977
3661	1	.53	38	1,215	1,047	0.036	31.98	1.16	1.000	0.99997
3662	1	.40	1	24	826	0.001	24.07	0.03	1.000	0.99999
3663	2	4.22	23	1,159	282	0.082	50.41	4.11	1.000	0.99990
3664	1	.42	1	25	480	0.002	25.27	0.05	1.000	0.99999
3671	2	1.68	19	614	647	0.029	32.33	0.95	1.000	0.99998
3691	1	6.82	388	158,692	391	0.992	409.00	405.86	1.000	0.99061
3692	1	7.32	412	180,868	413	0.998	439.00	437.94	1.000	0.98986
3701	2	1.55	8	369	526	0.015	46.08	0.70	1.000	0.99998
3751	4	10.55	1,057	46,170	837	1.263	43.68	55.16	1.070	0.99872
3871	1	.73	1	44	960	0.001	44.02	0.05	1.000	0.99999
3872	1	2.70	21	3,403	1,163	0.018	162.03	2.93	1.000	0.99993
3873	3	1.92	41	1,671	767	0.053	40.75	2.18	1.000	0.99995
3878	4	5.77	76	5,193	758	0.100	68.33	6.85	1.290	0.99984
3891	1	1.93	404	22,023	408	0.990	54.51	53.98	1.000	0.99875
3893	7	11.62	11	1,057	1,000	0.011	96.09	1.06	1.000	0.99998

3894	1	1.05	2	126	145	0.014	62.79	0.87	1.000	0.99998
3901	2	6.85	737	236,860	750	0.983	321.38	315.81	1.000	0.99269
3902	1	5.30	74	23,489	74	1.000	317.42	317.42	1.000	0.99265
3903	1	5.32	259	82,617	262	0.989	318.98	315.33	1.000	0.99270
3912	5	3.15	352	16,043	1,366	0.258	45.58	11.74	1.200	0.99973
3913	5	13.07	37	3,824	916	0.040	103.34	4.17	1.000	0.99990
3951	2	4.00	69	8,926	852	0.081	129.36	10.48	1.000	0.99976
3953	4	15.80	12	2,547	458	0.026	212.28	5.56	1.000	0.99987
3971	3	8.62	37	4,403	657	0.056	119.01	6.70	1.950	0.99984
3981	5	12.25	126	17,014	1,298	0.097	135.03	13.11	1.020	0.99970
3982	2	3.25	23	2,965	1,743	0.013	128.92	1.70	1.000	0.99996
3991	4	7.03	5	481	618	0.008	96.12	0.78	1.000	0.99998
3992	1	1.15	1	69	128	0.008	68.77	0.54	1.000	0.99999
4091	5	8.52	70	5,997	1,055	0.066	85.68	5.68	1.490	0.99987
4092	2	2.57	4	322	401	0.010	80.38	0.80	1.000	0.99998
4101	4	5.98	99	8,130	888	0.111	82.12	9.16	1.010	0.99979
4102	1	1.22	1	73	514	0.002	72.67	0.14	1.000	0.99999
4133	1	2.05	1	79	639	0.002	79.13	0.12	1.000	0.99999
4138	3	3.05	17	1,007	570	0.030	59.25	1.77	1.000	0.99996
4153	1	2.42	1	145	1,183	0.001	145.22	0.12	1.000	0.99999
4155	1	1.18	1	71	1,706	0.001	71.43	0.04	1.000	0.99999
4171	4	2.82	114	3,261	1,095	0.104	28.60	2.98	1.000	0.99993
4172	3	3.72	93	9,160	1,738	0.054	98.50	5.27	1.000	0.99988
4181	1	.52	37	1,137	720	0.051	30.73	1.58	1.000	0.99996
4211	3	13.20	47	8,013	767	0.061	170.49	10.45	1.000	0.99976
4212	2	5.00	938	49,938	951	0.986	53.24	52.51	1.000	0.99878
4222	1	.65	20	777	1,021	0.020	38.87	0.76	1.000	0.99998
4224	2	1.07	42	1,610	766	0.055	38.33	2.10	1.000	0.99995
4311	4	3.95	32	1,745	711	0.045	54.53	2.45	1.000	0.99994
4313	2	1.93	2	117	520	0.004	58.33	0.22	1.000	0.99999
4321	2	2.83	65	5,143	661	0.098	79.13	7.78	1.000	0.99982
4322	1	1.10	2	133	3	0.667	66.27	44.18	1.000	0.99898
4323	1	1.78	1	107	316	0.003	106.60	0.34	1.000	0.99999
4324	1	1.23	1	73	1	1.000	73.40	73.40	1.000	0.99830
4332	1	.53	1	32	373	0.003	31.98	0.09	1.000	0.99999
4341	4	6.85	4	410	1,750	0.002	102.55	0.23	1.000	0.99999
4344	1	.65	29	1,147	334	0.087	39.55	3.43	1.000	0.99992
4361	3	3.63	3	217	1,530	0.002	72.41	0.14	1.000	0.99999
4362	1	2.75	1	164	767	0.001	164.48	0.21	1.000	0.99999
4364	5	10.78	14	2,128	749	0.019	152.01	2.84	1.170	0.99993
4372	3	4.70	10	967	399	0.025	96.70	2.42	1.000	0.99994
4373	11	109.92	516	165,937	713	0.724	321.58	232.73	1.020	0.99461

4385	1	1.25	3	225	1,021	0.003	75.10	0.22	1.000	0.99999
4431	3	8.53	3	512	1,204	0.002	170.62	0.43	1.000	0.99999
4602	3	3.90	72	5,428	850	0.085	75.38	6.39	1.000	0.99985
4692	3	3.17	19	1,216	419	0.045	64.03	2.90	1.000	0.99993
4712	1	3.22	3	581	117	0.026	193.68	4.97	1.000	0.99989
4714	1	.85	1	51	301	0.003	51.17	0.17	1.000	0.99999
4791	1	3.33	1	200	628	0.002	200.32	0.32	1.000	0.99999
4891	1	.82	3	148	452	0.007	49.25	0.33	1.000	0.99999
4902	4	10.40	189	26,586	1,188	0.159	140.67	22.38	1.000	0.99948
4903	1	4.73	1	284	144	0.007	283.82	1.97	1.000	0.99995
5601	4	7.55	27	2,745	1,224	0.022	101.67	2.24	1.040	0.99995
5603	6	6.72	73	3,095	1,378	0.053	42.40	2.25	1.000	0.99995
5902	3	15.23	43	12,140	889	0.048	282.32	13.66	1.000	0.99968
5904	1	.95	1	57	1,261	0.001	57.28	0.05	1.000	0.99999
6402	1	.73	1	44	132	0.008	43.97	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:	327	691.37	15,277	2,326,937	160,753	0.095	152.32	14.48	1.020	0.99966

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/01/2024 to 12/31/2024
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
1081	1	1.22	1	74	21	0.048	73.65	3.51	1.000	0.99992
1082	3	7.03	17	3,169	1,219	0.014	186.42	2.60	1.000	0.99994
1091	2	9.48	73	4,056	752	0.097	55.56	5.39	1.000	0.99988
1092	6	15.27	26	6,984	895	0.029	268.63	7.80	1.730	0.99983
1094	3	6.42	3	384	1,254	0.002	128.07	0.31	1.000	0.99999
1103	4	8.53	6	740	857	0.007	123.37	0.86	1.200	0.99998
1211	1	2.33	11	1,536	1,342	0.008	139.62	1.14	1.000	0.99997
1212	1	.85	1	51	320	0.003	51.07	0.16	1.000	0.99999
1213	4	3.98	9	528	521	0.017	58.71	1.01	1.000	0.99998
1233	1	1.15	38	2,609	606	0.063	68.67	4.31	1.000	0.99990
1241	2	3.65	10	990	804	0.012	99.01	1.23	1.000	0.99997
1243	2	2.18	18	1,041	1,151	0.016	57.83	0.90	1.000	0.99998
1271	1	.90	2	108	875	0.002	53.97	0.12	1.000	0.99999
1273	1	.90	1	54	793	0.001	53.85	0.07	1.000	0.99999
1284	1	.50	5	152	890	0.006	30.45	0.17	1.000	0.99999
1312	3	4.38	896	76,452	849	1.055	85.33	90.05	1.070	0.99798
1451	2	1.62	29	1,009	539	0.054	34.81	1.87	1.000	0.99996
1452	1	.52	12	363	404	0.030	30.27	0.90	1.000	0.99998
1453	2	4.33	2	261	1,576	0.001	130.60	0.17	1.000	0.99999
1521	1	1.00	6	360	314	0.019	59.98	1.15	1.000	0.99997
1841	1	1.58	1	95	568	0.002	94.88	0.17	1.000	0.99999
1843	2	6.65	2	399	935	0.002	199.42	0.43	1.000	0.99999
2051	1	2.35	1	142	181	0.006	141.52	0.78	1.000	0.99998
2092	2	3.13	2	188	750	0.003	94.23	0.25	1.000	0.99999
2211	2	2.40	46	3,323	663	0.069	72.24	5.01	1.000	0.99989
2212	5	5.85	46	3,720	1,385	0.033	80.87	2.69	1.000	0.99994
2492	1	2.42	1	145	26	0.038	144.98	5.58	1.000	0.99988
2511	1	.92	1	54	491	0.002	54.48	0.11	1.000	0.99999
2621	5	8.50	37	2,940	964	0.038	79.45	3.05	1.030	0.99993
2921	2	14.05	2	843	370	0.005	421.29	2.28	1.000	0.99995
3121	3	2.97	16	823	1,077	0.015	51.44	0.76	1.000	0.99998
3122	1	.90	1	53	803	0.001	53.37	0.07	1.000	0.99999

3123	2	1.32	4	221	1,080	0.004	55.27	0.20	1.000	0.99999
3221	4	7.25	1,133	61,865	1,121	1.011	54.60	55.19	1.020	0.99876
3222	8	18.80	534	73,013	630	0.848	136.73	115.89	1.020	0.99740
3232	2	3.30	11	1,249	390	0.028	113.53	3.20	1.100	0.99993
3301	1	1.18	16	1,125	714	0.022	70.33	1.58	1.000	0.99996
3302	2	2.80	2	167	679	0.003	83.51	0.25	1.000	0.99999
3303	1	1.40	35	2,938	1,382	0.025	83.95	2.13	1.000	0.99995
3304	1	2.50	1	150	1,113	0.001	150.28	0.14	1.000	0.99999
3311	2	1.98	181	14,696	515	0.351	81.19	28.54	1.000	0.99936
3312	1	.92	1	55	454	0.002	55.02	0.12	1.000	0.99999
3314	3	4.10	3	245	204	0.015	81.56	1.20	1.000	0.99997
3315	3	2.93	32	1,578	1,530	0.021	49.30	1.03	1.000	0.99998
3422	2	7.97	2	478	855	0.002	239.05	0.56	1.000	0.99999
3423	1	.85	1	51	342	0.003	50.73	0.15	1.000	0.99999
3471	1	2.22	1	133	423	0.002	133.05	0.31	1.000	0.99999
3472	3	4.45	75	7,710	1,101	0.068	102.80	7.00	1.000	0.99984
3591	1	1.50	20	1,789	1,587	0.013	89.45	1.13	1.000	0.99997
3592	3	7.28	10	2,487	1,754	0.006	248.73	1.42	1.000	0.99997
3621	4	7.32	94	11,809	1,386	0.068	125.63	8.52	1.010	0.99981
3661	2	1.33	39	2,111	1,047	0.037	54.13	2.02	1.000	0.99995
3662	3	4.55	26	750	826	0.031	28.85	0.91	1.000	0.99998
3664	1	1.07	1	64	480	0.002	64.08	0.13	1.000	0.99999
3671	1	1.15	1	69	647	0.002	68.98	0.11	1.000	0.99999
3694	1	2.17	1	130	534	0.002	130.27	0.24	1.000	0.99999
3701	2	2.37	7	492	526	0.013	70.27	0.94	1.000	0.99998
3751	4	5.85	51	3,952	837	0.061	77.49	4.72	1.000	0.99989
3872	1	.92	12	663	1,163	0.010	55.28	0.57	1.000	0.99999
3874	2	5.18	45	7,453	180	0.250	165.62	41.40	1.000	0.99907
3878	4	4.32	126	6,316	758	0.166	50.13	8.33	1.330	0.99981
3891	1	1.02	1	60	408	0.002	60.23	0.15	1.000	0.99999
3893	5	11.20	59	7,177	1,000	0.059	121.64	7.18	1.000	0.99984
3901	1	1.58	733	69,378	750	0.977	94.65	92.50	1.000	0.99793
3912	2	1.57	2	94	1,366	0.001	46.78	0.07	1.000	0.99999
3913	3	8.38	13	862	916	0.014	66.27	0.94	1.000	0.99998
3951	4	9.97	71	4,143	852	0.083	58.36	4.86	1.010	0.99989
3953	4	2.97	4	177	458	0.009	44.29	0.39	1.000	0.99999
3971	2	1.78	656	41,560	657	0.998	63.35	63.26	1.000	0.99858
3981	1	1.03	6	373	1,298	0.005	62.13	0.29	1.000	0.99999
3982	4	5.10	196	14,004	1,743	0.112	71.45	8.03	1.370	0.99982
4031	1	1.98	1	119	601	0.002	119.25	0.20	1.000	0.99999
4091	2	4.67	16	1,708	1,055	0.015	106.75	1.62	1.000	0.99996
4134	1	1.87	18	2,012	835	0.022	111.75	2.41	1.000	0.99995

4141	1	.40	1	24	62	0.016	23.98	0.39	1.000	0.99999
4142	2	6.78	34	9,080	525	0.065	267.05	17.29	1.000	0.99961
4152	3	4.10	61	4,747	1,270	0.048	77.81	3.74	1.610	0.99992
4154	1	.60	32	1,133	1,428	0.022	35.40	0.79	1.000	0.99998
4171	1	1.27	12	912	1,095	0.011	76.02	0.83	1.000	0.99998
4172	3	2.25	54	2,528	1,738	0.031	46.81	1.45	1.690	0.99997
4182	3	3.48	17	1,410	706	0.024	82.97	2.00	1.000	0.99996
4212	1	2.53	119	18,090	951	0.125	152.02	19.02	1.000	0.99957
4222	3	7.47	13	2,439	1,021	0.013	187.60	2.39	1.000	0.99995
4224	1	.80	1	48	766	0.001	48.23	0.06	1.000	0.99999
4302	1	7.23	1	434	637	0.002	434.30	0.68	1.000	0.99998
4303	1	.58	32	1,118	1,367	0.023	34.95	0.82	1.000	0.99998
4311	2	1.20	72	2,677	711	0.101	37.17	3.76	1.000	0.99992
4313	1	1.25	12	895	520	0.023	74.62	1.72	1.000	0.99996
4321	2	2.08	54	3,326	661	0.082	61.59	5.03	1.000	0.99989
4324	1	1.50	1	90	1	1.000	90.45	90.45	1.000	0.99797
4331	1	1.70	1	102	296	0.003	101.90	0.34	1.000	0.99999
4341	2	.77	2	46	1,750	0.001	22.99	0.03	1.000	0.99999
4343	2	1.57	10	246	1,655	0.006	24.64	0.15	1.000	0.99999
4361	3	3.70	21	886	1,530	0.014	42.20	0.58	1.000	0.99999
4371	2	3.68	2	222	1,424	0.001	110.86	0.16	1.000	0.99999
4372	1	.87	1	52	399	0.003	51.67	0.13	1.000	0.99999
4373	1	1.20	1	72	713	0.001	71.75	0.10	1.000	0.99999
4385	1	.93	1	56	1,021	0.001	55.92	0.05	1.000	0.99999
4602	2	1.82	28	1,296	850	0.033	46.29	1.52	1.000	0.99997
4692	5	4.67	52	2,778	419	0.124	53.43	6.63	1.330	0.99985
4714	3	4.68	17	1,195	301	0.056	70.27	3.97	1.000	0.99991
4783	1	.73	2	88	235	0.009	43.94	0.37	1.000	0.99999
4891	2	3.95	32	2,179	452	0.071	68.10	4.82	1.000	0.99989
4906	2	1.00	20	611	1,224	0.016	30.56	0.50	1.000	0.99999
5601	1	3.65	1	218	1,224	0.001	218.32	0.18	1.000	0.99999
5603	4	3.40	45	2,085	1,378	0.033	46.32	1.51	1.000	0.99997
5905	2	1.27	54	2,575	1,745	0.031	47.68	1.48	1.000	0.99997
6021	2	2.45	2	147	1,259	0.002	73.57	0.12	1.000	0.99999
6023	1	1.60	1	95	113	0.009	95.27	0.84	1.000	0.99998
6141	1	4.35	1	261	537	0.002	260.87	0.49	1.000	0.99999
6401	1	.77	15	698	199	0.075	46.50	3.51	1.000	0.99992
6403	1	1.25	1	75	215	0.005	75.37	0.35	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	233	383.58	6,389	524,006	160,753	0.040	82.02	3.26	1.040	0.99993

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
1/1/2024 to 1/31/2024
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	1.90	1	114	568	0.002	114.00	0.20	1.000	0.99999
1052	1	0.22	1	13	1,216	0.001	13.00	0.01	1.000	0.99999
1082	1	2.97	1	178	1,438	0.001	178.00	0.12	1.000	0.99999
1092	2	5.27	337	58,489	1,060	0.318	173.56	55.18	1.000	0.99876
1102	1	5.68	39	13,302	1,128	0.035	341.08	11.79	1.000	0.99974
1104	1	0.55	19	641	206	0.092	33.74	3.11	1.000	0.99993
1141	1	3.50	12	2,526	922	0.013	210.50	2.74	1.000	0.99994
1211	1	1.78	1	107	1,532	0.001	107.00	0.07	1.000	0.99999
1212	1	0.82	6	295	356	0.017	49.17	0.83	1.000	0.99998
1213	1	2.57	1	154	582	0.002	154.00	0.26	1.000	0.99999
1230	2	6.25	14	1,226	1,176	0.012	87.57	1.04	1.077	0.99998
1233	1	0.35	1	21	742	0.001	21.00	0.03	1.000	0.99999
1243	4	5.25	34	2,754	1,273	0.027	81.00	2.16	2.833	0.99995
1271	1	3.27	2	392	1,008	0.002	196.00	0.39	1.000	0.99999
1285	1	3.53	1	212	1,136	0.001	212.00	0.19	1.000	0.99999
1312	2	3.03	8	917	1,002	0.008	114.63	0.92	1.000	0.99998
1452	1	1.75	7	738	476	0.015	105.43	1.55	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
1523	6	7.12	806	65,015	782	1.031	80.66	83.14	1.031	0.99814
1841	1	3.30	658	130919	658	1.000	198.97	198.97	1.000	0.99554
1842	1	3.28	310	61,168	310	1.000	197.32	197.32	1.000	0.99558
1843	8	15.09	2,174	256,790	1,155	1.882	118.12	222.33	2.150	0.99502
2171	1	4.22	1	253	604	0.002	253.00	0.42	1.000	0.99999
2172	1	8.42	26	13,130	256	0.102	505.00	51.29	1.000	0.99885
2212	1	2.03	1	122	1,488	0.001	122.00	0.08	1.000	0.99999
2491	1	0.83	1	50	66	0.015	50.00	0.76	1.000	0.99998
2841	2	1.76	409	21,744	400	1.023	53.16	54.36	1.068	0.99878
2921	7	14.17	410	56,988	406	1.010	139.00	140.36	1.694	0.99686
2951	6	12.70	97	12,517	1,280	0.076	129.04	9.78	1.940	0.99978
3122	2	2.83	64	7,191	902	0.071	112.36	7.97	1.000	0.99982
3123	1	0.90	1	54	1,154	0.001	54.00	0.05	1.000	0.99999
3181	4	6.59	954	57220	782	1.220	59.98	73.17	1.219	0.99836
3221	1	0.88	3	159	1,306	0.002	53.00	0.12	1.000	0.99999
3304	3	7.61	1,219	325984	1,195	1.020	267.42	272.79	1.020	0.99388
3311	3	6.32	582	163,213	559	1.041	280.43	291.97	1.041	0.99346
3313	2	4.71	10	1,419	1,566	0.006	141.90	0.91	2.000	0.99998
3423	1	1.97	1	118	408	0.002	118.00	0.29	1.000	0.99999
3471	3	1.42	3	85	508	0.006	28.33	0.17	1.000	0.99999
3472	2	2.70	21	1,642	1,356	0.015	78.19	1.21	1.000	0.99997
3552	1	1.05	6	383	593	0.010	63.83	0.65	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
3553	7	12.29	10	1,268	894	0.011	126.80	1.42	1.250	0.99997
3592	2	2.36	87	1,867	1,850	0.047	21.46	1.01	1.000	0.99998
3621	1	0.63	1	38	1,642	0.001	38.00	0.02	1.000	0.99999
3661	1	1.15	1,112	77,543	1,116	0.996	69.73	69.48	1.000	0.99844
3662	1	0.73	10	447	907	0.011	44.70	0.49	1.000	0.99999
3671	2	3.05	35	4,180	681	0.051	119.43	6.14	1.129	0.99986
3701	1	3.33	1	200	577	0.002	200.00	0.35	1.000	0.99999
3702	2	0.84	64	1,650	753	0.085	25.78	2.19	2.000	0.99995
3871	1	0.60	6	216	1,106	0.005	36.00	0.20	1.000	0.99999
3873	2	2.62	15	1,019	827	0.018	67.93	1.23	1.000	0.99997
3893	2	2.37	2	142	1,220	0.002	71.00	0.12	1.000	0.99999
3901	1	0.68	1	41	894	0.001	41.00	0.05	1.000	0.99999
3903	1	1.87	1	112	318	0.003	112.00	0.35	1.000	0.99999
3913	1	0.58	90	3,197	989	0.091	35.52	3.23	1.000	0.99993
3952	1	1.65	1	99	930	0.001	99.00	0.11	1.000	0.99999
3981	5	6.88	1,983	244,738	1,604	1.236	123.42	152.58	1.579	0.99658
3982	1	4.23	1	254	1,844	0.001	254.00	0.14	1.000	0.99999
3991	2	1.77	7	429	775	0.009	61.29	0.55	1.000	0.99999
4091	5	9.90	51	5,827	1,224	0.042	114.25	4.76	1.020	0.99989
4092	1	1.43	1	86	469	0.002	86.00	0.18	1.000	0.99999
4101	6	15.86	78	20,407	995	0.078	261.63	20.51	1.013	0.99954
4102	1	1.32	332	26,526	578	0.574	79.90	45.89	1.000	0.99897

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4134	1	0.58	6	211	896	0.007	35.17	0.24	1.000	0.99999
4137	8	12.14	44	3,274	824	0.053	74.41	3.97	1.048	0.99991
4138	1	1.40	1	84	741	0.001	84.00	0.11	1.000	0.99999
4141	1	0.93	1	56	86	0.012	56.00	0.65	1.000	0.99999
4172	1	0.78	28	1,328	1,912	0.015	47.43	0.69	1.000	0.99998
4173	1	0.33	1	20	699	0.001	20.00	0.03	1.000	0.99999
4181	2	4.93	14	2,082	804	0.017	148.71	2.59	2.000	0.99994
4212	2	1.95	56	3,632	1,110	0.050	64.86	3.27	1.000	0.99993
4223	1	0.28	49	846	1,147	0.043	17.27	0.74	1.000	0.99998
4303	1	0.60	1	36	1,436	0.001	36.00	0.03	1.000	0.99999
4311	1	0.10	1	6	768	0.001	6.00	0.01	1.000	0.99999
4312	1	1.22	220	16,261	950	0.232	73.91	17.12	1.000	0.99962
4313	4	6.56	13	1,188	566	0.023	91.38	2.10	2.600	0.99995
4323	2	4.83	69	10,340	298	0.232	149.86	34.70	1.015	0.99922
4341	1	1.58	189	18,087	1,908	0.099	95.70	9.48	1.000	0.99979
4343	2	1.44	50	2,027	1,725	0.029	40.54	1.18	1.000	0.99997
4344	2	3.25	4	393	372	0.011	98.25	1.06	1.000	0.99998
4361	2	1.72	2,387	159,122	1,720	1.388	66.66	92.51	1.386	0.99792
4362	1	1.55	852	79,619	852	1.000	93.45	93.45	1.000	0.99791
4363	2	3.05	708	75,537	708	1.000	106.69	106.69	1.004	0.99761
4364	3	5.47	937	124,282	894	1.048	132.64	139.02	1.870	0.99689
4371	1	2.27	1	136	1,592	0.001	136.00	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
4372	2	3.42	28	2,167	446	0.063	77.39	4.86	1.037	0.99989
4373	1	2.28	5	685	810	0.006	137.00	0.85	1.000	0.99998
4385	1	1.43	1	86	1,164	0.001	86.00	0.07	1.000	0.99999
4431	4	7.90	92	9,935	1,458	0.063	107.99	6.81	1.136	0.99985
4432	1	1.90	4	458	492	0.008	114.50	0.93	1.000	0.99998
4511	2	1.49	38	1,763	1,149	0.033	46.39	1.53	1.000	0.99997
4601	4	5.69	15	2,176	417	0.036	145.07	5.22	1.000	0.99988
4602	2	2.38	34	2,323	988	0.034	68.32	2.35	1.063	0.99995
4692	2	2.33	58	6,031	510	0.114	103.98	11.83	1.000	0.99974
4712	1	0.75	3	135	138	0.022	45.00	0.98	1.000	0.99998
4783	2	4.10	22	3,195	261	0.084	145.23	12.24	1.048	0.99973
4891	3	1.53	746	21,517	606	1.231	28.84	35.51	1.231	0.99920
4892	2	2.91	333	11,021	334	0.997	33.10	33.00	1.003	0.99926
4902	1	0.38	1	23	1,229	0.001	23.00	0.02	1.000	0.99999
4906	1	4.43	10	2,665	1,321	0.008	266.50	2.02	1.000	0.99995
5601	1	0.77	1	46	1,324	0.001	46.00	0.03	1.000	0.99999
5603	1	0.87	25	1,304	1,545	0.016	52.16	0.84	1.000	0.99998
5901	1	0.85	1	51	940	0.001	51.00	0.05	1.000	0.99999
5902	3	3.35	54	4,512	980	0.055	83.56	4.60	1.019	0.99990
6022	3	8.23	7	1,052	607	0.012	150.29	1.73	1.000	0.99996
6403	1	0.85	1	51	270	0.004	51.00	0.19	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	208	349.53	19,242	2,218,292	178,964	0.108	115.28	12.40	1.212	0.99972

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
2/1/2024 to 2/29/2024
EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	2.21	1,935	63,129	1,842	1.050	32.62	34.27	1.051	0.99918
1052	2	3.85	33	3,576	1,218	0.027	108.36	2.94	1.000	0.99993
1082	5	4.92	20	1,176	1,438	0.014	58.80	0.82	1.000	0.99998
1092	23	21.50	540	29,747	1,061	0.509	55.09	28.04	1.125	0.99933
1094	1	0.50	9	278	1,398	0.006	30.89	0.20	1.000	0.99999
1102	3	12.01	40	19,882	1,125	0.036	497.05	17.67	1.000	0.99958
1104	1	2.05	5	615	207	0.024	123.00	2.97	1.000	0.99993
1230	1	1.07	1	64	1,177	0.001	64.00	0.05	1.000	0.99999
1233	1	0.93	67	3,801	739	0.091	56.73	5.14	1.000	0.99988
1241	1	1.07	94	6,023	908	0.104	64.07	6.63	1.000	0.99984
1242	1	1.53	1	92	863	0.001	92.00	0.11	1.000	0.99999
1243	3	8.49	14	3,171	1,284	0.011	226.50	2.47	1.000	0.99994
1273	3	1.60	38	1,080	881	0.043	28.42	1.23	1.027	0.99997
1282	1	1.12	1	67	698	0.001	67.00	0.10	1.000	0.99999
1312	3	5.35	35	4,280	1,003	0.035	122.29	4.27	1.061	0.99990
1451	1	3.57	1	214	586	0.002	214.00	0.37	1.000	0.99999
1452	1	1.37	1	82	477	0.002	82.00	0.17	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1453	3	8.74	48	8,352	1,846	0.026	174.00	4.52	1.021	0.99989
1454	3	1.47	77	3,026	974	0.079	39.30	3.11	2.026	0.99993
1455	1	1.68	1	101	428	0.002	101.00	0.24	1.000	0.99999
1521	2	4.07	3	432	396	0.008	144.00	1.09	1.000	0.99997
1523	1	2.05	1	123	782	0.001	123.00	0.16	1.000	0.99999
1843	2	1.78	9	764	1,158	0.008	84.89	0.66	1.125	0.99998
2621	1	1.02	1	61	1,238	0.001	61.00	0.05	1.000	0.99999
2843	1	0.52	1	31	176	0.006	31.00	0.18	1.000	0.99999
2951	4	4.09	2,570	99,797	1,281	2.006	38.83	77.91	2.006	0.99813
2952	2	1.26	778	30,024	389	2.000	38.59	77.18	2.000	0.99815
3122	2	1.00	34	984	904	0.038	28.94	1.09	1.000	0.99997
3123	2	2.60	11	776	1,155	0.010	70.55	0.67	1.100	0.99998
3221	3	5.17	15	1,359	1,308	0.011	90.60	1.04	1.071	0.99998
3222	1	1.42	8	684	810	0.010	85.50	0.84	1.000	0.99998
3302	1	0.45	3	83	731	0.004	27.67	0.11	1.000	0.99999
3303	1	0.88	7	373	1,519	0.005	53.29	0.25	1.000	0.99999
3304	1	0.80	4	194	1,198	0.003	48.50	0.16	1.000	0.99999
3311	2	1.83	203	11,155	559	0.363	54.95	19.96	1.000	0.99952
3312	1	0.77	1	46	473	0.002	46.00	0.10	1.000	0.99999
3471	1	1.27	6	461	508	0.012	76.83	0.91	1.000	0.99998
3472	1	2.00	5	600	1,356	0.004	120.00	0.44	1.000	0.99999
3551	1	0.92	22	1,230	1,054	0.021	55.91	1.17	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
3592	1	0.42	14	360	1,851	0.008	25.71	0.19	1.000	0.99999
3621	1	0.82	1	49	1,625	0.001	49.00	0.03	1.000	0.99999
3661	1	0.35	418	9,115	1,112	0.376	21.81	8.20	1.000	0.99980
3662	3	1.67	4	112	908	0.004	28.00	0.12	1.000	0.99999
3702	1	1.18	18	1,290	761	0.024	71.67	1.70	1.000	0.99996
3751	3	3.69	66	5,920	941	0.070	89.70	6.29	1.015	0.99985
3872	2	2.76	57	4,770	1,230	0.046	83.68	3.88	1.018	0.99991
3878	1	1.67	1	100	903	0.001	100.00	0.11	1.000	0.99999
3892	2	3.67	2	220	559	0.004	110.00	0.39	1.000	0.99999
3893	1	0.48	1	29	1,222	0.001	29.00	0.02	1.000	0.99999
3901	2	4.66	10	1,404	893	0.011	140.40	1.57	2.000	0.99996
3912	1	5.23	6	1,889	1,440	0.004	314.83	1.31	1.000	0.99997
3952	2	3.10	67	9,742	932	0.072	145.40	10.45	1.015	0.99975
3953	2	3.68	12	1,617	551	0.022	134.75	2.93	1.000	0.99993
3971	1	1.47	627	55,395	712	0.881	88.35	77.80	1.000	0.99814
3981	3	2.05	32	1,334	1,606	0.020	41.69	0.83	1.000	0.99998
3982	3	6.68	256	23,068	1,846	0.139	90.11	12.50	1.012	0.99970
3991	1	0.92	20	1,114	777	0.026	55.70	1.43	1.000	0.99997
3992	1	1.03	1	62	175	0.006	62.00	0.35	1.000	0.99999
4031	1	1.57	724	68,466	724	1.000	94.57	94.57	1.000	0.99774
4091	1	4.43	1	266	1,227	0.001	266.00	0.22	1.000	0.99999
4132	1	0.88	1	53	576	0.002	53.00	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
4133	2	2.68	2	161	706	0.003	80.50	0.23	1.000	0.99999
4134	1	2.57	1	154	897	0.001	154.00	0.17	1.000	0.99999
4137	9	6.85	49	2,256	824	0.059	46.04	2.74	1.021	0.99993
4138	1	0.68	1	41	730	0.001	41.00	0.06	1.000	0.99999
4142	3	6.63	3	398	627	0.005	132.67	0.63	1.000	0.99998
4171	1	1.85	29	3,243	1,220	0.024	111.83	2.66	1.000	0.99994
4172	1	0.88	1	53	1,915	0.001	53.00	0.03	1.000	0.99999
4181	1	2.08	1	125	807	0.001	125.00	0.15	1.000	0.99999
4222	1	0.95	1	57	1,089	0.001	57.00	0.05	1.000	0.99999
4224	2	7.16	108	13,248	782	0.138	122.67	16.94	1.000	0.99959
4304	1	0.15	1	9	246	0.004	9.00	0.04	1.000	0.99999
4311	1	0.78	36	1,705	773	0.047	47.36	2.21	1.000	0.99995
4312	1	1.30	14	1,092	955	0.015	78.00	1.14	1.000	0.99997
4323	1	0.88	47	2,515	290	0.162	53.51	8.67	1.000	0.99979
4341	5	0.82	5	49	1,919	0.003	9.80	0.03	1.000	0.99999
4343	1	1.45	1	87	1,730	0.001	87.00	0.05	1.000	0.99999
4361	4	7.10	1,727	102,669	1,726	1.001	59.45	59.48	2.589	0.99858
4362	1	1.48	1	89	853	0.001	89.00	0.10	1.000	0.99999
4371	1	3.87	11	2,557	1,593	0.007	232.45	1.61	1.000	0.99996
4431	2	2.49	461	32,267	1,462	0.315	69.99	22.07	1.060	0.99947
4432	2	8.80	31	7,158	496	0.063	230.90	14.43	1.033	0.99965
4511	1	1.15	1	69	1,149	0.001	69.00	0.06	1.000	0.99999

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4602	2	7.77	12	1,107	987	0.012	92.25	1.12	1.091	0.99997
4692	5	6.04	121	8,256	511	0.237	68.23	16.16	1.186	0.99961
4714	1	0.93	1	56	362	0.003	56.00	0.15	1.000	0.99999
4794	1	0.78	1	47	396	0.003	47.00	0.12	1.000	0.99999
4891	1	2.95	1	177	608	0.002	177.00	0.29	1.000	0.99999
4902	1	0.53	1	32	1,229	0.001	32.00	0.03	1.000	0.99999
4905	1	0.55	1	33	407	0.002	33.00	0.08	1.000	0.99999
4981	1	1.32	7	558	190	0.037	79.71	2.94	1.000	0.99993
5601	1	4.45	16	4,273	1,329	0.012	267.06	3.22	1.000	0.99992
5602	2	0.85	13	294	721	0.018	22.62	0.41	1.000	0.99999
5904	1	1.18	1	71	1,310	0.001	71.00	0.05	1.000	0.99999
6021	3	1.97	3	118	1,397	0.002	39.33	0.08	1.000	0.99999
6404	1	0.72	1	43	76	0.013	43.00	0.57	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	192	263.98	11,693	669,375	180,208	0.065	57.25	3.71	1.343	0.99991

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
3/1/2024 to 3/31/2024
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	2.16	3	130	1,842	0.002	43.33	0.07	1.000	0.99999
1051	1	0.60	1	36	574	0.002	36.00	0.06	1.000	0.99999
1082	6	8.94	8	617	1,438	0.006	77.13	0.43	1.000	0.99999
1092	2	1.44	2	86	1,061	0.002	43.00	0.08	1.000	0.99999
1094	1	0.63	2	77	1,398	0.001	38.50	0.06	1.000	0.99999
1103	2	4.20	2	252	1,031	0.002	126.00	0.24	1.000	0.99999
1141	2	2.33	26	1,234	922	0.028	47.46	1.34	1.040	0.99997
1211	1	0.62	19	715	1,538	0.012	37.63	0.46	1.000	0.99999
1230	1	1.67	1,177	118,190	1,177	1.000	100.42	100.42	1.000	0.99775
1232	2	2.80	1,243	124,516	1,242	1.001	100.17	100.25	1.001	0.99775
1233	1	1.68	739	74,725	739	1.000	101.12	101.12	1.000	0.99773
1243	1	0.80	56	2,741	1,284	0.044	48.95	2.13	1.000	0.99995
1271	1	0.85	1	51	1,009	0.001	51.00	0.05	1.000	0.99999
1273	2	1.33	27	1,272	881	0.031	47.11	1.44	1.000	0.99997
1451	1	0.85	1	51	586	0.002	51.00	0.09	1.000	0.99999
1455	1	1.00	1	60	428	0.002	60.00	0.14	1.000	0.99999
1842	2	1.81	2	109	310	0.006	54.50	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
2211	2	1.47	22	959	749	0.029	43.59	1.28	1.000	0.99997
2622	1	0.92	1	55	122	0.008	55.00	0.45	1.000	0.99999
2921	1	0.55	15	497	406	0.037	33.13	1.22	1.000	0.99997
2951	4	7.63	1,396	113,198	1,281	1.090	81.09	88.37	1.090	0.99802
2952	3	4.73	804	79,712	389	2.067	99.14	204.92	2.067	0.99541
3122	2	2.23	30	2,292	904	0.033	76.40	2.54	1.000	0.99994
3181	1	1.32	7	557	785	0.009	79.57	0.71	1.000	0.99998
3221	2	1.90	2	114	1,308	0.002	57.00	0.09	1.000	0.99999
3301	3	5.63	8	838	773	0.010	104.75	1.08	1.000	0.99998
3302	2	2.08	50	3,433	731	0.068	68.66	4.70	1.020	0.99989
3303	1	1.50	7	630	1,519	0.005	90.00	0.41	1.000	0.99999
3311	1	3.63	559	121,927	559	1.000	218.12	218.12	1.000	0.99511
3315	2	3.51	20	1,847	1,650	0.012	92.35	1.12	1.000	0.99997
3422	1	1.30	1	78	1,017	0.001	78.00	0.08	1.000	0.99999
3471	2	2.08	2	125	508	0.004	62.50	0.25	1.000	0.99999
3472	1	1.63	1	98	1,356	0.001	98.00	0.07	1.000	0.99999
3551	3	7.75	14	2,968	1,054	0.013	212.00	2.82	1.000	0.99994
3592	2	5.67	11	2,777	1,851	0.006	252.45	1.50	1.000	0.99997
3594	1	1.20	25	1,815	956	0.026	72.60	1.90	1.000	0.99996
3661	2	0.75	2	45	1,112	0.002	22.50	0.04	1.000	0.99999
3662	1	0.78	4	191	908	0.004	47.75	0.21	1.000	0.99999
3663	2	1.90	3	167	322	0.009	55.67	0.52	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
3671	5	10.93	115	15,750	683	0.168	136.96	23.06	1.045	0.99948
3751	5	4.10	91	4,734	941	0.097	52.02	5.03	1.011	0.99989
3871	1	0.60	1	36	1,107	0.001	36.00	0.03	1.000	0.99999
3872	1	0.98	1	59	1,230	0.001	59.00	0.05	1.000	0.99999
3893	4	3.96	97	4,437	1,222	0.079	45.74	3.63	1.010	0.99992
3894	1	0.73	1	44	167	0.006	44.00	0.26	1.000	0.99999
3901	1	2.37	893	127,044	893	1.000	142.27	142.27	1.000	0.99681
3903	1	0.47	11	310	318	0.035	28.18	0.97	1.000	0.99998
3912	1	0.87	11	582	1,440	0.008	52.91	0.40	1.000	0.99999
3913	3	2.99	116	3,782	990	0.117	32.60	3.82	1.018	0.99991
3951	3	3.02	23	2,206	975	0.024	95.91	2.26	1.045	0.99995
3952	3	2.19	12	376	932	0.013	31.33	0.40	1.200	0.99999
3981	2	1.50	2	90	1,606	0.001	45.00	0.06	1.000	0.99999
3982	1	0.93	1	56	1,846	0.001	56.00	0.03	1.000	0.99999
4031	1	2.37	6	855	724	0.008	142.50	1.18	1.000	0.99997
4092	2	2.71	5	487	470	0.011	97.40	1.04	1.000	0.99998
4101	2	0.92	81	3,755	997	0.081	46.36	3.77	1.013	0.99992
4142	2	3.01	18	1,520	627	0.029	84.44	2.42	1.059	0.99995
4154	1	4.85	1	291	1,507	0.001	291.00	0.19	1.000	0.99999
4155	1	1.65	38	3,796	1,769	0.021	99.89	2.15	1.000	0.99995
4171	1	0.87	10	528	1,220	0.008	52.80	0.43	1.000	0.99999
4172	3	8.43	20	3,984	1,915	0.010	199.20	2.08	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
4173	2	18.07	2	1,084	701	0.003	542.00	1.55	1.000	0.99997
4181	1	1.37	10	823	807	0.012	82.30	1.02	1.000	0.99998
4211	1	2.08	1	125	827	0.001	125.00	0.15	1.000	0.99999
4222	2	3.18	8	709	1,089	0.007	88.63	0.65	1.000	0.99999
4313	2	3.07	301	21,821	570	0.528	72.50	38.28	1.000	0.99914
4321	1	1.23	1	74	651	0.002	74.00	0.11	1.000	0.99999
4322	1	0.65	3	118	3	1.000	39.33	39.33	1.000	0.99912
4332	1	1.28	7	543	424	0.017	77.57	1.28	1.000	0.99997
4341	9	16.16	2,002	348,879	1,919	1.043	174.27	181.80	1.043	0.99593
4343	3	4.00	101	7,581	1,730	0.058	75.06	4.38	1.403	0.99990
4344	2	8.67	62	25,868	373	0.166	417.23	69.35	1.051	0.99845
4364	1	0.85	1	51	906	0.001	51.00	0.06	1.000	0.99999
4372	1	1.97	1	118	448	0.002	118.00	0.26	1.000	0.99999
4373	5	6.41	21	1,991	811	0.026	94.81	2.45	1.105	0.99995
4431	1	1.68	1	101	1,462	0.001	101.00	0.07	1.000	0.99999
4602	1	0.85	1	51	987	0.001	51.00	0.05	1.000	0.99999
4692	1	3.67	1	220	511	0.002	220.00	0.43	1.000	0.99999
4791	1	0.72	1	43	655	0.002	43.00	0.07	1.000	0.99999
4891	1	2.92	1	175	608	0.002	175.00	0.29	1.000	0.99999
4892	1	2.98	332	59,455	332	1.000	179.08	179.08	1.000	0.99599
4903	1	0.47	1	28	174	0.006	28.00	0.16	1.000	0.99999
4907	1	2.80	84	14,172	84	1.000	168.71	168.71	1.000	0.99622

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
4981	1	2.45	114	16,849	190	0.600	147.80	88.68	1.000	0.99801
5603	2	1.07	17	765	1,553	0.011	45.00	0.49	1.000	0.99999
5904	2	3.46	46	4,602	1,310	0.035	100.04	3.51	1.000	0.99992
6021	2	4.65	2	279	1,397	0.001	139.50	0.20	1.000	0.99999
6024	1	3.40	12	2,458	402	0.030	204.83	6.11	1.000	0.99986
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	163	254.43	10,982	1,342,890	180,208	0.061	122.28	7.45	1.064	0.99983

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
4/1/2024 to 4/22/2024
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	11.86	1,843	84,217	1,842	1.001	45.70	45.72	1.001	0.99894
1052	2	1.50	199	8,512	1,218	0.163	42.77	6.99	1.005	0.99984
1081	1	12.18	1	731	20	0.050	731.00	36.55	1.000	0.99915
1082	5	21.52	26	3,340	1,438	0.018	128.46	2.32	1.000	0.99995
1091	4	2.87	68	2,923	850	0.080	42.99	3.44	1.030	0.99992
1092	2	7.19	2	431	1,061	0.002	215.50	0.41	1.000	0.99999
1093	1	0.97	4	235	238	0.017	58.75	0.99	1.000	0.99998
1101	2	2.57	182	18,152	169	1.077	99.74	107.41	1.077	0.99751
1102	5	10.37	1,166	131,334	1,125	1.036	112.64	116.74	1.036	0.99730
1103	3	2.86	1,054	107,975	1,031	1.022	102.44	104.73	1.022	0.99758
1104	1	1.72	207	21,327	207	1.000	103.03	103.03	1.000	0.99762
1211	1	0.43	1	26	1,538	0.001	26.00	0.02	1.000	0.99999
1213	1	0.67	1	40	582	0.002	40.00	0.07	1.000	0.99999
1230	1	4.20	18	4,547	1,177	0.015	252.61	3.86	1.000	0.99991
1233	1	0.88	15	801	739	0.020	53.40	1.08	1.000	0.99997
1241	1	0.58	56	1,963	908	0.062	35.05	2.16	1.000	0.99995
1243	1	1.70	22	2,254	1,284	0.017	102.45	1.76	1.000	0.99996

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1271	3	2.92	280	11,141	1,009	0.278	39.79	11.04	1.057	0.99974
1273	1	0.78	80	3,813	881	0.091	47.66	4.33	1.000	0.99990
1281	1	0.28	1	17	179	0.006	17.00	0.09	1.000	0.99999
1285	1	5.17	55	17,055	1,136	0.048	310.09	15.01	1.000	0.99965
1453	2	5.65	2	339	1,846	0.001	169.50	0.18	1.000	0.99999
1454	2	8.54	975	177,095	974	1.001	181.64	181.82	1.001	0.99579
1523	1	0.97	1	58	782	0.001	58.00	0.07	1.000	0.99999
1843	2	4.58	47	6,148	1,158	0.041	130.81	5.31	1.000	0.99988
2052	1	1.12	1	67	88	0.011	67.00	0.76	1.000	0.99998
2092	2	2.10	2	126	973	0.002	63.00	0.13	1.000	0.99999
2171	3	10.89	605	111,461	604	1.002	184.23	184.54	1.003	0.99573
2212	3	3.55	127	6,962	1,495	0.085	54.82	4.66	1.008	0.99989
2501	1	1.58	79	7,473	84	0.940	94.59	88.96	1.000	0.99794
2511	1	3.00	633	114,024	633	1.000	180.13	180.13	1.000	0.99583
2621	3	6.50	18	2,403	1,238	0.015	133.50	1.94	1.059	0.99996
2951	1	1.20	38	2,766	1,281	0.030	72.79	2.16	1.000	0.99995
2961	1	0.85	654	33,822	662	0.988	51.72	51.09	1.000	0.99882
2962	1	1.33	1	80	264	0.004	80.00	0.30	1.000	0.99999
3221	1	1.03	18	1,116	1,308	0.014	62.00	0.85	1.000	0.99998
3222	2	6.58	2	395	810	0.002	197.50	0.49	1.000	0.99999
3304	1	1.22	1,198	87,633	1,198	1.000	73.15	73.15	1.000	0.99831
3421	1	1.83	314	34,550	314	1.000	110.03	110.03	1.000	0.99745

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
3422	4	5.65	556	64,187	1,017	0.547	115.44	63.11	1.005	0.99854
3423	3	7.55	411	47,876	409	1.005	116.49	117.06	1.005	0.99729
3472	3	1.73	1,357	44,630	1,356	1.001	32.89	32.91	1.007	0.99924
3552	2	3.45	37	3,972	595	0.062	107.35	6.68	1.000	0.99985
3591	2	6.70	45	3,635	1,639	0.027	80.78	2.22	1.023	0.99995
3592	2	2.86	54	5,000	1,851	0.029	92.59	2.70	1.019	0.99994
3621	2	3.91	15	2,644	1,625	0.009	176.27	1.63	1.071	0.99996
3661	5	15.72	33	10,930	1,112	0.030	331.21	9.83	1.000	0.99977
3662	2	4.93	30	3,484	908	0.033	116.13	3.84	1.000	0.99991
3663	1	2.12	1	127	322	0.003	127.00	0.39	1.000	0.99999
3664	1	1.13	71	4,871	593	0.120	68.61	8.21	1.000	0.99981
3701	2	1.67	59	4,375	603	0.098	74.15	7.26	1.017	0.99983
3751	2	2.13	5	435	941	0.005	87.00	0.46	1.000	0.99999
3871	1	0.60	6	220	1,107	0.005	36.67	0.20	1.000	0.99999
3872	4	2.40	5	178	1,230	0.004	35.60	0.14	1.250	0.99999
3873	1	0.88	8	425	828	0.010	53.13	0.51	1.000	0.99999
3878	1	1.50	896	80,804	903	0.992	90.18	89.48	1.000	0.99793
3892	1	5.05	1	303	559	0.002	303.00	0.54	1.000	0.99999
3893	3	7.20	39	2,948	1,222	0.032	75.59	2.41	1.054	0.99994
3894	1	0.77	3	140	167	0.018	46.67	0.84	1.000	0.99998
3903	1	5.27	28	8,859	318	0.088	316.39	27.86	1.000	0.99936
3912	1	2.20	1	132	1,440	0.001	132.00	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
3913	1	1.82	12	1,311	990	0.012	109.25	1.32	1.000	0.99997
3951	4	21.79	192	48,890	975	0.197	254.64	50.14	1.067	0.99884
3952	2	8.97	32	8,177	932	0.034	255.53	8.77	1.000	0.99980
3953	2	1.45	6	263	551	0.011	43.83	0.48	1.200	0.99999
3982	10	19.51	594	63,906	1,846	0.322	107.59	34.62	1.072	0.99920
3991	1	0.72	1	43	777	0.001	43.00	0.06	1.000	0.99999
4031	2	16.38	8	2,344	724	0.011	293.00	3.24	1.143	0.99993
4091	2	2.40	1,727	198,773	1,227	1.407	115.10	162.00	1.021	0.99625
4092	2	3.80	471	54,678	470	1.002	116.09	116.34	1.002	0.99731
4136	1	1.82	1	109	688	0.001	109.00	0.16	1.000	0.99999
4138	1	0.82	21	1,045	730	0.029	49.76	1.43	1.000	0.99997
4154	2	5.83	27	4,691	1,507	0.018	173.74	3.11	1.000	0.99993
4171	4	8.82	120	11,157	1,220	0.098	92.98	9.15	1.043	0.99979
4172	4	11.86	202	17,719	1,915	0.105	87.72	9.25	1.005	0.99979
4173	2	3.46	106	20,728	701	0.151	195.55	29.57	1.010	0.99932
4181	2	2.44	20	1,469	807	0.025	73.45	1.82	2.000	0.99996
4182	2	2.20	2	132	793	0.003	66.00	0.17	1.000	0.99999
4211	1	5.60	1	336	827	0.001	336.00	0.41	1.000	0.99999
4224	4	15.52	189	49,858	782	0.242	263.80	63.76	1.313	0.99852
4303	1	3.25	11	2,145	1,452	0.008	195.00	1.48	1.000	0.99997
4311	1	1.95	1	117	773	0.001	117.00	0.15	1.000	0.99999
4312	2	8.38	955	13,151	955	1.000	13.77	13.77	1.003	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
4313	2	6.40	7	1,974	570	0.012	282.00	3.46	1.000	0.99992
4321	1	0.45	1	27	651	0.002	27.00	0.04	1.000	0.99999
4323	2	5.40	69	10,844	290	0.238	157.16	37.39	1.015	0.99913
4327	1	1.05	64	4,056	107	0.598	63.38	37.91	1.000	0.99912
4341	4	7.25	70	6,844	1,919	0.036	97.77	3.57	1.029	0.99992
4343	2	1.40	81	3,448	1,730	0.047	42.57	1.99	1.000	0.99995
4344	3	1.67	43	1,597	373	0.115	37.14	4.28	1.024	0.99990
4361	2	7.50	55	8,019	1,726	0.032	145.80	4.65	1.019	0.99989
4362	4	13.75	8	2,042	853	0.009	255.25	2.39	1.000	0.99994
4363	1	5.12	30	9,234	705	0.043	307.80	13.10	1.000	0.99970
4364	1	1.42	1	85	906	0.001	85.00	0.09	1.000	0.99999
4373	1	0.85	1	51	811	0.001	51.00	0.06	1.000	0.99999
4385	3	3.55	1,183	97,230	1,166	1.015	82.19	83.39	1.015	0.99807
4386	1	1.40	1,667	140,972	1,667	1.000	84.57	84.57	1.000	0.99804
4431	2	3.55	2	213	1,462	0.001	106.50	0.15	1.000	0.99999
4511	3	3.51	14	1,123	1,149	0.012	80.21	0.98	1.000	0.99998
4512	1	2.72	1,233	201,122	1,233	1.000	163.12	163.12	1.000	0.99622
4602	2	4.75	63	7,549	987	0.064	119.83	7.65	1.000	0.99982
4692	2	4.72	2	283	511	0.004	141.50	0.55	1.000	0.99999
4714	1	0.65	1	39	362	0.003	39.00	0.11	1.000	0.99999
4784	2	2.87	2	172	404	0.005	86.00	0.43	1.000	0.99999
4793	1	1.18	1	71	809	0.001	71.00	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
4906	1	1.92	1	115	1,318	0.001	115.00	0.09	1.000	0.99999
5601	1	1.18	1	71	1,329	0.001	71.00	0.05	1.000	0.99999
5603	2	2.55	24	1,881	1,553	0.015	78.38	1.21	1.000	0.99997
5902	3	3.85	82	4,101	982	0.084	50.01	4.18	1.000	0.99990
5903	1	8.95	12	6,446	292	0.041	537.17	22.08	1.000	0.99949
5904	2	4.55	25	3,492	1,310	0.019	139.68	2.67	1.000	0.99994
5905	2	4.67	127	22,017	2,005	0.063	173.36	10.98	1.000	0.99975
6021	1	3.90	2	468	1,397	0.001	234.00	0.34	1.000	0.99999
6022	1	1.25	1	75	632	0.002	75.00	0.12	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	224	503.93	23,229	2,334,230	180,208	0.129	100.49	12.95	1.009	0.99970

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

04/22/2024 to 04/30/2024

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	1.27	7	527	574	0.012	75.22	0.92	1.000	0.99998
1052	2	1.23	9	132	1,218	0.007	14.67	0.11	1.000	0.99999
1082	2	4.12	34	4,204	1,438	0.024	123.64	2.92	2.000	0.99993
1092	2	5.60	2	335	1,061	0.002	167.56	0.32	1.000	0.99999
1094	2	3.68	57	6,938	1,398	0.041	121.73	4.96	1.000	0.99989
1102	2	2.95	2	177	1,125	0.002	88.38	0.16	1.000	0.99999
1103	1	1.35	1	81	1,031	0.001	81.43	0.08	1.000	0.99999
1142	1	2.82	24	4,050	159	0.151	168.73	25.47	1.000	0.99941
1211	1	.70	8	329	1,538	0.005	41.13	0.21	1.000	0.99999
1213	1	.70	1	42	582	0.002	41.98	0.07	1.000	0.99999
1230	1	2.65	3	477	1,177	0.003	159.10	0.41	1.000	0.99999
1232	2	2.83	6	572	1,242	0.005	95.31	0.46	1.000	0.99999
1241	1	1.10	9	599	908	0.010	66.55	0.66	1.000	0.99998
1242	2	3.30	2	197	863	0.002	98.70	0.23	1.000	0.99999
1271	1	1.72	1	103	1,009	0.001	102.70	0.10	1.000	0.99999
1273	2	2.07	2	124	881	0.002	62.13	0.14	1.000	0.99999
1282	1	.87	1	51	698	0.001	51.48	0.07	1.000	0.99999
1311	1	3.18	1	191	293	0.003	190.53	0.65	1.000	0.99998
1453	2	2.53	32	2,422	1,846	0.017	75.70	1.31	1.000	0.99997
1454	1	.30	1	18	974	0.001	17.68	0.02	1.000	0.99999
1521	1	1.10	1	65	396	0.003	65.25	0.16	1.000	0.99999
1522	1	1.00	2	119	110	0.018	59.37	1.08	1.000	0.99998
1523	1	2.40	1	144	782	0.001	143.97	0.18	1.000	0.99999
2051	1	.97	181	10,561	216	0.838	58.35	48.90	1.000	0.99887
2052	1	.88	83	4,395	88	0.943	52.95	49.94	1.000	0.99884
2092	1	3.57	1	214	973	0.001	214.08	0.22	1.000	0.99999
2211	1	.65	1	39	749	0.001	38.83	0.05	1.000	0.99999
2212	2	2.92	12	1,076	1,495	0.008	89.64	0.72	1.000	0.99998
2491	2	8.22	15	3,666	67	0.224	244.40	54.72	1.000	0.99873
2492	1	2.25	1	135	31	0.032	135.13	4.36	1.000	0.99990
2921	2	3.12	2	187	406	0.005	93.66	0.46	1.000	0.99999
2951	1	3.30	973	192,994	1,281	0.760	198.35	150.66	1.000	0.99651

2952	1	3.22	331	64,065	389	0.851	193.55	164.69	1.000	0.99619
3041	1	1.75	1	105	88	0.011	105.42	1.20	1.000	0.99997
3181	1	1.63	1	98	785	0.001	98.03	0.12	1.000	0.99999
3221	1	1.08	1,121	73,575	1,308	0.857	65.63	56.25	1.000	0.99870
3302	2	4.02	33	3,903	731	0.045	118.27	5.34	1.830	0.99988
3303	2	2.93	741	61,559	1,519	0.488	83.08	40.53	1.000	0.99906
3304	3	2.78	3	166	1,198	0.003	55.37	0.14	1.000	0.99999
3315	2	2.85	85	5,177	1,650	0.052	60.90	3.14	1.000	0.99993
3423	1	2.23	1	134	409	0.002	133.50	0.33	1.000	0.99999
3472	1	1.10	1	66	1,356	0.001	65.72	0.05	1.000	0.99999
3551	1	3.95	1	237	1,054	0.001	236.62	0.22	1.000	0.99999
3552	1	2.65	1	154	595	0.002	154.42	0.26	1.000	0.99999
3553	4	12.10	7	976	895	0.008	139.48	1.09	1.000	0.99997
3592	2	2.13	40	3,196	1,851	0.022	79.89	1.73	1.000	0.99996
3661	2	1.73	131	4,778	1,112	0.118	36.47	4.30	1.000	0.99990
3662	2	16.60	4	1,988	908	0.004	497.12	2.19	1.000	0.99995
3693	1	.62	1	37	183	0.005	37.22	0.20	1.000	0.99999
3701	1	1.22	2	145	603	0.003	72.55	0.24	1.000	0.99999
3751	2	3.57	238	25,474	941	0.253	107.03	27.07	2.000	0.99937
3871	3	5.32	122	15,319	1,107	0.110	125.57	13.84	1.000	0.99968
3872	1	.85	1	51	1,230	0.001	50.77	0.04	1.000	0.99999
3892	1	2.18	1	131	559	0.002	130.77	0.23	1.000	0.99999
3893	5	11.63	23	4,221	1,222	0.019	183.54	3.45	1.000	0.99992
3901	1	1.58	746	71,417	893	0.835	95.73	79.97	1.000	0.99815
3903	2	2.77	3	249	318	0.009	83.16	0.78	1.000	0.99998
3912	1	10.03	1	602	1,440	0.001	601.97	0.42	1.000	0.99999
3951	1	3.75	10	2,258	975	0.010	225.77	2.32	1.000	0.99995
3981	5	9.27	28	2,114	1,606	0.017	75.51	1.32	1.080	0.99997
3982	2	4.43	2	267	1,846	0.001	133.35	0.14	1.000	0.99999
3992	1	3.95	1	237	175	0.006	236.93	1.35	1.000	0.99997
4092	1	1.47	1	88	470	0.002	87.93	0.19	1.000	0.99999
4101	1	.80	17	808	997	0.017	47.52	0.81	1.000	0.99998
4141	1	4.63	1	278	86	0.012	278.12	3.23	1.000	0.99993
4142	1	4.25	10	2,544	627	0.016	254.40	4.06	1.000	0.99991
4151	1	1.02	159	9,601	175	0.909	60.38	54.86	1.000	0.99873
4153	1	4.72	9	2,502	1,384	0.007	277.96	1.81	1.000	0.99996
4155	7	11.13	15	1,573	1,769	0.008	104.84	0.89	1.000	0.99998
4172	2	2.97	166	17,177	1,915	0.087	103.48	8.97	1.000	0.99979
4181	2	4.30	2	258	807	0.002	128.99	0.32	1.000	0.99999
4182	2	4.35	8	1,333	793	0.010	166.66	1.68	1.000	0.99996
4211	1	5.30	1	318	827	0.001	318.37	0.38	1.000	0.99999
4212	1	.68	7	286	1,106	0.006	40.82	0.26	1.000	0.99999

4222	1	.37	1	22	1,089	0.001	21.95	0.02	1.000	0.99999
4301	1	.75	110	4,908	111	0.991	44.62	44.21	1.000	0.99898
4302	3	13.62	645	52,407	672	0.960	81.25	77.99	1.010	0.99819
4303	5	6.62	1,444	89,897	1,452	0.994	62.26	61.91	1.070	0.99857
4304	1	.62	199	7,184	246	0.809	36.10	29.20	1.000	0.99932
4311	1	5.67	4	1,360	773	0.005	339.93	1.76	1.000	0.99996
4323	1	3.97	1	238	290	0.003	237.98	0.82	1.000	0.99998
4324	1	1.22	1	73	1	1.000	72.98	72.98	1.000	0.99837
4332	2	2.17	2	130	424	0.005	64.90	0.31	1.000	0.99999
4341	3	4.28	84	2,929	1,919	0.044	34.87	1.53	1.010	0.99996
4342	2	2.92	325	23,709	810	0.401	72.95	29.27	1.000	0.99932
4343	2	1.15	25	857	1,730	0.014	34.27	0.50	1.000	0.99999
4361	2	14.20	2	852	1,726	0.001	425.90	0.49	1.000	0.99999
4362	1	2.10	4	504	853	0.005	125.97	0.59	1.000	0.99999
4363	1	4.72	2	567	705	0.003	283.47	0.80	1.000	0.99998
4371	2	3.25	21	1,882	1,593	0.013	89.60	1.18	1.000	0.99997
4373	1	1.92	492	56,670	811	0.607	115.18	69.88	1.000	0.99838
4431	2	8.43	1,192	489,538	1,462	0.815	410.69	334.84	1.010	0.99225
4693	1	11.30	1	276	174	0.006	276.33	1.59	1.000	0.99996
4714	1	2.63	1	158	362	0.003	157.57	0.44	1.000	0.99999
4783	1	1.32	1	80	261	0.004	79.65	0.31	1.000	0.99999
4791	1	1.15	1	69	655	0.002	69.42	0.11	1.000	0.99999
4794	1	1.48	1	89	396	0.003	88.92	0.22	1.000	0.99999
4902	1	2.37	1	142	1,229	0.001	141.67	0.12	1.000	0.99999
4905	1	1.23	1	74	407	0.002	73.78	0.18	1.000	0.99999
4906	2	3.85	117	13,946	1,318	0.089	119.20	10.58	1.000	0.99976
5601	1	.37	4	90	1,329	0.003	22.50	0.07	1.000	0.99999
5603	1	2.02	1	121	1,553	0.001	120.72	0.08	1.000	0.99999
5904	1	4.77	9	2,572	1,310	0.007	285.73	1.96	1.000	0.99995
5905	1	.70	1	42	2,005	0.000	41.62	0.02	1.000	0.99999
6021	1	1.37	1	82	1,397	0.001	82.22	0.06	1.000	0.99999
6024	1	.95	1	57	402	0.002	57.23	0.14	1.000	0.99999
6142	3	5.53	211	19,439	341	0.619	92.13	57.01	1.940	0.99868
6143	2	2.75	2	165	382	0.005	82.32	0.43	1.000	0.99999
6144	3	2.97	3	179	330	0.009	59.55	0.54	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	174	369.58	10,464	1,385,937	180,549	0.058	132.12	7.70	1.040	0.99982

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

05/01/2024 to 05/31/2024

EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	6.13	171	24,943	1,716	0.100	145.86	14.54	1.000	0.99967
1051	1	4.57	1	274	497	0.002	273.60	0.55	1.000	0.99999
1081	1	53.18	1	3,191	21	0.048	3190.93	151.95	1.000	0.99660
1082	15	245.48	62	29,070	1,219	0.051	468.88	23.85	1.020	0.99947
1091	12	64.20	178	14,451	752	0.237	81.19	19.22	1.840	0.99957
1092	11	121.83	63	23,455	895	0.070	372.31	26.21	1.020	0.99941
1093	9	254.22	9	15,253	206	0.044	1694.83	74.05	1.000	0.99834
1094	26	471.68	145	140,868	1,254	0.116	971.50	112.33	1.010	0.99748
1102	2	2.23	2	134	1,093	0.002	67.12	0.12	1.000	0.99999
1103	2	1.62	15	977	857	0.018	65.14	1.14	1.000	0.99997
1141	1	3.17	18	3,413	863	0.021	189.60	3.95	1.000	0.99991
1211	2	12.60	1,426	21,631	1,342	1.063	15.17	16.12	1.060	0.99964
1212	2	1.43	2	86	320	0.006	42.90	0.27	1.000	0.99999
1213	3	4.10	3	247	521	0.006	82.37	0.47	1.000	0.99999
1230	4	31.15	28	4,094	1,021	0.027	146.20	4.01	1.000	0.99991
1232	2	33.75	2	2,025	1,081	0.002	1012.45	1.87	2.000	0.99996
1241	6	29.92	146	22,286	804	0.182	152.64	27.72	1.600	0.99938
1242	2	3.23	2	193	735	0.003	96.73	0.26	1.000	0.99999
1243	2	4.95	8	1,198	1,151	0.007	149.72	1.04	1.000	0.99998
1271	5	32.92	71	8,366	875	0.081	117.82	9.56	1.000	0.99979
1273	4	52.93	63	61,532	793	0.079	976.69	77.59	1.000	0.99826
1282	1	.58	1	35	677	0.001	34.93	0.05	1.000	0.99999
1283	1	8.73	5	2,621	316	0.016	524.18	8.29	1.000	0.99981
1284	12	131.40	46	9,694	890	0.052	210.74	10.89	1.020	0.99976
1285	1	35.63	1	2,137	1,115	0.001	2137.40	1.92	1.000	0.99996
1311	2	3.15	6	435	228	0.026	72.57	1.91	1.200	0.99996
1312	4	27.42	6	2,064	849	0.007	344.05	2.43	1.500	0.99995
1452	6	3.87	364	10,097	404	0.901	27.74	24.99	1.010	0.99944
1453	6	32.63	93	8,689	1,576	0.059	93.43	5.51	1.000	0.99988
1454	1	2.88	4	691	824	0.005	172.77	0.84	1.000	0.99998
1521	2	5.93	66	4,490	314	0.210	68.03	14.30	1.000	0.99968
1523	7	16.57	956	66,560	698	1.370	69.62	95.36	1.370	0.99786

1841	1	.72	1	43	568	0.002	42.52	0.07	1.000	0.99999
1843	1	2.08	1	125	935	0.001	125.22	0.13	1.000	0.99999
2051	1	1.10	181	11,840	181	1.000	65.42	65.42	1.000	0.99853
2052	1	1.07	83	5,301	83	1.000	63.87	63.87	1.000	0.99857
2091	4	8.82	10	1,179	739	0.014	117.94	1.60	1.110	0.99996
2172	1	1.37	8	649	214	0.037	81.12	3.03	1.000	0.99993
2211	2	1.65	664	45,501	663	1.002	68.53	68.63	1.000	0.99846
2212	3	5.77	1,389	95,746	1,385	1.003	68.93	69.13	1.010	0.99845
2492	1	15.50	1	930	26	0.038	930.17	35.78	1.000	0.99920
2511	3	6.93	5	637	491	0.010	127.32	1.30	1.000	0.99997
2621	5	13.45	21	3,861	964	0.022	183.86	4.01	1.000	0.99991
2951	4	10.82	415	106,842	974	0.426	257.45	109.69	1.040	0.99754
2952	2	3.75	2	226	331	0.006	113.17	0.68	1.000	0.99998
3121	2	2.28	13	527	1,077	0.012	40.52	0.49	1.000	0.99999
3122	1	1.83	5	547	803	0.006	109.45	0.68	1.000	0.99998
3123	3	16.22	3	973	1,080	0.003	324.29	0.90	1.000	0.99998
3181	2	2.40	27	2,070	586	0.046	76.66	3.53	1.000	0.99992
3221	4	8.27	52	4,857	1,121	0.046	93.40	4.33	1.000	0.99990
3222	2	6.00	8	648	630	0.013	81.03	1.03	1.000	0.99998
3231	3	3.22	51	2,812	195	0.262	55.13	14.42	1.000	0.99968
3232	1	1.55	1	93	390	0.003	92.68	0.24	1.000	0.99999
3301	1	1.07	1	64	714	0.001	64.33	0.09	1.000	0.99999
3303	3	3.25	19	1,210	1,382	0.014	63.69	0.88	1.000	0.99998
3304	2	4.03	5	785	1,113	0.004	157.04	0.71	1.000	0.99998
3311	1	1.47	10	803	515	0.019	80.31	1.56	1.000	0.99997
3313	2	8.28	30	7,432	1,505	0.020	247.74	4.94	1.000	0.99989
3315	10	14.38	1,037	124,566	1,530	0.678	120.12	81.42	1.000	0.99818
3421	1	0.87	142	7,420	277	0.513	52.25	26.79	1.000	0.99940
3422	2	3.15	115	15,122	855	0.135	131.49	17.69	1.000	0.99960
3423	2	3.65	146	22,331	342	0.427	152.95	65.30	1.010	0.99854
3471	2	4.92	423	60,954	423	1.000	144.10	144.10	1.000	0.99677
3472	7	20.25	104	14,378	1,101	0.094	138.25	13.06	1.010	0.99971
3551	6	7.57	130	11,932	954	0.136	91.79	12.51	1.530	0.99972
3552	3	5.15	3	308	504	0.006	102.55	0.61	1.000	0.99999
3553	7	12.95	25	1,849	787	0.032	73.94	2.35	1.000	0.99995
3591	3	9.93	38	9,069	1,587	0.024	238.65	5.71	1.000	0.99987
3592	3	4.52	30	3,131	1,754	0.017	104.37	1.79	1.000	0.99996
3593	2	2.67	40	1,417	943	0.042	35.43	1.50	1.000	0.99997
3594	2	4.57	31	4,673	888	0.035	150.76	5.26	1.000	0.99988
3621	3	4.35	3	261	1,386	0.002	86.89	0.19	1.000	0.99999
3661	3	24.28	80	10,004	1,047	0.076	125.05	9.56	1.000	0.99979
3662	2	6.13	2	368	826	0.002	184.03	0.45	1.000	0.99999

3663	1	1.00	4	242	282	0.014	60.40	0.86	1.000	0.99998
3664	3	11.33	10	1,755	480	0.021	175.48	3.66	1.000	0.99992
3671	3	2.78	717	38,242	647	1.108	53.34	59.11	1.110	0.99868
3673	4	3.75	435	17,156	250	1.740	39.44	68.62	1.750	0.99846
3675	1	.92	510	27,574	510	1.000	54.07	54.07	1.000	0.99879
3694	1	2.02	12	1,444	534	0.022	120.33	2.70	1.000	0.99994
3701	2	6.62	2	397	526	0.004	198.67	0.76	1.000	0.99998
3702	1	1.03	19	1,163	674	0.028	61.22	1.73	1.000	0.99996
3751	4	11.08	48	3,968	837	0.057	82.66	4.74	1.000	0.99989
3872	2	4.08	6	734	1,163	0.005	122.33	0.63	1.000	0.99999
3873	3	12.42	90	21,846	767	0.117	242.73	28.48	1.010	0.99936
3878	2	2.78	4	244	758	0.005	61.12	0.32	1.000	0.99999
3891	5	45.65	6	3,884	408	0.015	647.30	9.52	1.000	0.99979
3892	2	78.32	2	4,699	528	0.004	2349.50	8.90	1.000	0.99980
3893	11	135.42	327	53,187	1,000	0.327	162.65	53.19	1.160	0.99881
3894	2	45.58	2	2,734	145	0.014	1367.03	18.86	1.000	0.99958
3901	3	4.20	44	5,797	750	0.059	131.74	7.73	1.000	0.99983
3912	4	25.50	27	2,579	1,366	0.020	95.53	1.89	1.040	0.99996
3913	7	85.08	53	38,427	916	0.058	725.04	41.95	1.040	0.99906
3914	1	28.80	23	39,745	345	0.067	1728.05	115.20	1.000	0.99742
3951	20	107.13	26	9,222	852	0.031	354.68	10.82	1.000	0.99976
3952	11	221.25	88	124,835	802	0.110	1418.58	155.66	1.130	0.99651
3953	9	126.63	12	7,803	458	0.026	650.23	17.04	1.000	0.99962
3971	2	2.37	78	6,490	657	0.119	83.20	9.88	1.000	0.99978
3981	2	2.03	2	121	1,298	0.002	60.63	0.09	1.000	0.99999
3982	4	7.72	170	22,245	1,743	0.098	130.86	12.76	1.000	0.99971
3991	4	11.35	8	1,051	618	0.013	131.37	1.70	1.000	0.99996
3992	4	5.57	5	473	128	0.039	94.53	3.69	1.000	0.99992
4031	1	3.62	1	217	601	0.002	217.00	0.36	1.000	0.99999
4091	4	9.60	80	6,523	1,055	0.076	81.53	6.18	1.000	0.99986
4092	2	3.67	2	219	401	0.005	109.48	0.55	1.000	0.99999
4101	3	7.42	56	18,319	888	0.063	327.12	20.63	1.000	0.99954
4132	1	1.15	4	276	551	0.007	68.88	0.50	1.000	0.99999
4138	9	10.28	20	1,484	570	0.035	74.18	2.60	1.000	0.99994
4141	1	3.62	28	6,079	62	0.452	217.12	98.05	1.000	0.99780
4142	3	4.62	41	3,284	525	0.078	80.10	6.26	1.000	0.99986
4152	5	8.03	53	4,643	1,270	0.042	87.61	3.66	1.510	0.99992
4153	2	5.15	16	3,551	1,183	0.014	221.96	3.00	1.000	0.99993
4155	1	2.57	1	155	1,706	0.001	154.78	0.09	1.000	0.99999
4171	4	42.60	173	68,082	1,095	0.158	393.54	62.18	1.000	0.99861
4172	5	4.62	99	4,602	1,738	0.057	46.49	2.65	1.000	0.99994
4173	1	3.35	1	201	681	0.001	200.93	0.30	1.000	0.99999

4181	4	11.88	76	14,544	720	0.106	191.37	20.20	1.950	0.99955
4212	9	39.97	62	7,194	951	0.065	116.04	7.57	1.000	0.99983
4222	6	78.62	27	20,084	1,021	0.026	743.87	19.67	1.000	0.99956
4223	4	93.08	26	11,156	1,106	0.024	429.07	10.09	1.000	0.99977
4224	8	192.18	178	131,939	766	0.232	741.23	172.24	1.210	0.99614
4302	7	66.78	98	61,492	637	0.154	627.47	96.53	1.040	0.99784
4311	1	1.18	1	71	711	0.001	71.38	0.10	1.000	0.99999
4313	2	2.47	289	14,865	520	0.556	51.44	28.59	1.000	0.99936
4321	5	7.22	157	7,329	661	0.238	46.68	11.09	1.000	0.99975
4326	1	1.87	1	112	345	0.003	112.00	0.32	1.000	0.99999
4341	3	7.78	3	466	1,750	0.002	155.29	0.27	1.000	0.99999
4342	1	5.30	34	10,785	779	0.044	317.20	13.84	1.000	0.99969
4343	4	76.27	16	5,384	1,655	0.010	336.53	3.25	1.000	0.99993
4344	4	5.58	74	4,897	334	0.222	66.17	14.66	1.000	0.99967
4361	7	46.02	106	99,657	1,530	0.069	940.16	65.14	1.000	0.99854
4362	3	4.17	31	1,603	767	0.040	51.72	2.09	1.000	0.99995
4364	1	.15	1	10	749	0.001	9.73	0.01	1.000	0.99999
4371	3	4.75	9	902	1,424	0.006	100.27	0.63	1.000	0.99999
4372	2	7.80	2	468	399	0.005	234.12	1.17	1.000	0.99997
4373	4	5.47	16	1,754	713	0.022	109.60	2.46	1.000	0.99994
4431	7	57.43	25	20,138	1,204	0.021	805.51	16.73	1.000	0.99963
4432	1	.77	1	46	355	0.003	46.38	0.13	1.000	0.99999
4471	1	.98	3	176	3	1.000	58.58	58.58	1.000	0.99869
4475	1	.98	12	697	12	1.000	58.07	58.07	1.000	0.99870
4476	1	1.38	25	2,058	25	1.000	82.30	82.30	1.000	0.99816
4511	1	9.28	20	11,137	1,096	0.018	556.85	10.16	1.000	0.99977
4512	1	1.40	2	167	1,077	0.002	83.62	0.16	1.000	0.99999
4513	1	2.62	35	5,486	760	0.046	156.75	7.22	1.000	0.99984
4692	2	18.97	7	2,680	419	0.017	382.89	6.40	1.000	0.99986
4714	2	3.47	2	208	301	0.007	103.82	0.69	1.000	0.99998
4783	2	1.52	381	10,791	235	1.621	28.32	45.92	1.000	0.99897
4784	1	1.12	1	67	361	0.003	66.92	0.19	1.000	0.99999
4791	2	1.53	19	900	628	0.030	47.37	1.43	1.000	0.99997
4892	1	1.60	1	95	271	0.004	95.23	0.35	1.000	0.99999
4901	1	1.30	14	1,089	14	1.000	77.75	77.75	1.000	0.99826
4902	20	179.43	1,239	164,626	1,188	1.043	132.87	138.57	1.050	0.99690
4903	2	19.92	143	14,865	144	0.993	103.95	103.23	1.000	0.99769
4905	3	6.58	379	65,179	377	1.005	171.98	172.89	1.010	0.99613
4906	22	195.32	1,375	200,927	1,224	1.123	146.13	164.16	1.130	0.99632
4907	1	1.73	72	7,466	72	1.000	103.70	103.70	1.000	0.99768
5603	4	5.13	45	4,417	1,378	0.033	98.15	3.21	1.000	0.99993
5901	2	2.28	11	484	862	0.013	44.03	0.56	1.000	0.99999

5902	14	205.32	24	28,726	889	0.027	1196.92	32.31	1.200	0.99928
5904	10	117.42	401	199,416	1,261	0.318	497.30	158.14	2.460	0.99646
5905	7	38.60	1,781	129,211	1,745	1.021	72.55	74.05	1.020	0.99834
6021	2	2.75	2	165	1,259	0.002	82.32	0.13	1.000	0.99999
6024	1	1.75	12	1,255	369	0.033	104.55	3.40	1.000	0.99992
6141	3	10.55	3	633	537	0.006	210.99	1.18	1.000	0.99997
6142	1	1.93	7	806	301	0.023	115.18	2.68	1.000	0.99994
6144	1	2.48	1	149	240	0.004	148.57	0.62	1.000	0.99999
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	631	4,623.12	19,874	2,893,148	160,753	0.124	145.57	18.00	1.090	0.99960

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
06/01/2024 to 06/30/2024
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	11.53	117	9,067	1,716	0.068	77.49	5.28	1.040	0.99988
1052	1	3.05	8	1,464	981	0.008	182.97	1.49	1.000	0.99997
1082	12	21.93	1,533	149,944	1,219	1.258	97.81	123.01	1.260	0.99715
1091	4	6.30	141	8,130	752	0.188	57.66	10.81	1.000	0.99975
1092	6	7.38	38	2,592	895	0.042	68.20	2.90	1.000	0.99993
1094	1	.27	1	16	1,254	0.001	15.78	0.01	1.000	0.99999
1101	2	11.38	30	13,793	453	0.066	459.77	30.45	1.000	0.99930
1102	1	1.48	1	89	1,093	0.001	88.50	0.08	1.000	0.99999
1103	6	19.53	44	5,464	857	0.051	124.19	6.38	1.020	0.99985
1104	4	18.53	69	21,738	192	0.359	315.05	113.22	1.250	0.99738
1141	3	28.40	19	9,322	863	0.022	490.63	10.80	1.060	0.99975
1142	1	.67	18	722	145	0.124	40.12	4.98	1.000	0.99988
1211	2	4.60	2	276	1,342	0.001	138.08	0.21	1.000	0.99999
1212	6	13.00	13	2,762	320	0.041	212.47	8.63	1.180	0.99980
1213	10	19.98	1,048	325,802	521	2.012	310.88	625.34	2.020	0.98552
1230	7	38.22	1,023	261,034	1,021	1.002	255.17	255.66	1.000	0.99408
1232	3	11.43	21	4,502	1,081	0.019	214.40	4.17	1.000	0.99990
1233	2	3.42	39	2,523	606	0.064	64.69	4.16	1.000	0.99990
1241	1	1.05	18	1,147	804	0.022	63.73	1.43	1.000	0.99997
1242	1	1.53	23	2,107	735	0.031	91.60	2.87	1.000	0.99993
1243	3	3.80	150	11,163	1,151	0.130	74.42	9.70	1.460	0.99978
1271	6	23.17	58	10,084	875	0.066	173.87	11.52	1.380	0.99973
1273	1	3.62	1	216	793	0.001	216.20	0.27	1.000	0.99999
1282	2	11.35	5	1,105	677	0.007	221.04	1.63	1.000	0.99996
1284	4	8.07	68	9,481	890	0.076	139.42	10.65	1.000	0.99975
1312	3	2.58	3	155	849	0.004	51.52	0.18	1.000	0.99999
1451	2	7.43	6	1,877	539	0.011	312.77	3.48	1.000	0.99992
1453	14	39.32	82	14,548	1,576	0.052	177.42	9.23	1.150	0.99979
1454	1	6.67	3	1,203	824	0.004	400.93	1.46	1.000	0.99997
1455	1	3.77	10	2,257	389	0.026	225.65	5.80	1.000	0.99987
1521	2	1.23	2	73	314	0.006	36.64	0.23	1.000	0.99999
1522	1	1.17	3	208	101	0.030	69.20	2.06	1.000	0.99995

1523	3	8.95	244	39,464	698	0.350	161.74	56.54	1.000	0.99869
1841	1	9.22	1	553	568	0.002	552.88	0.97	1.000	0.99998
1842	5	4.38	34	1,800	247	0.138	52.95	7.29	1.030	0.99983
1843	5	15.22	5	914	935	0.005	182.71	0.98	1.000	0.99998
2051	1	.82	1	49	181	0.006	48.82	0.27	1.000	0.99999
2091	8	31.37	12	2,725	739	0.016	227.11	3.69	1.200	0.99991
2092	1	2.47	1	148	750	0.001	147.93	0.20	1.000	0.99999
2171	4	19.53	489	62,085	473	1.034	126.96	131.26	1.040	0.99696
2211	3	3.90	51	4,787	663	0.077	93.86	7.22	1.000	0.99983
2212	5	5.63	44	3,250	1,385	0.032	73.86	2.35	1.000	0.99995
2621	5	14.95	18	5,311	964	0.019	295.07	5.51	1.000	0.99987
2841	2	4.38	2	263	274	0.007	131.54	0.96	1.000	0.99998
2843	1	4.67	105	29,430	157	0.669	280.28	187.45	1.000	0.99566
2951	4	4.10	7	420	974	0.007	60.05	0.43	1.000	0.99999
2961	1	3.28	1	197	632	0.002	197.12	0.31	1.000	0.99999
3121	1	2.05	8	985	1,077	0.007	123.07	0.91	1.000	0.99998
3122	1	1.50	1	90	803	0.001	89.78	0.11	1.000	0.99999
3181	2	11.15	24	4,084	586	0.041	170.17	6.97	1.000	0.99984
3221	3	3.00	10	480	1,121	0.009	47.97	0.43	1.000	0.99999
3222	5	8.27	52	5,717	630	0.083	109.94	9.07	1.000	0.99979
3231	2	10.90	4	891	195	0.021	222.81	4.57	1.000	0.99989
3232	2	8.20	11	4,220	390	0.028	383.61	10.82	1.000	0.99975
3303	1	.97	28	1,604	1,382	0.020	57.30	1.16	1.000	0.99997
3304	5	17.73	80	17,011	1,113	0.072	212.63	15.28	1.000	0.99965
3315	2	3.78	26	2,954	1,530	0.017	113.61	1.93	2.000	0.99996
3421	1	1.78	1	107	277	0.004	107.15	0.39	1.000	0.99999
3422	4	10.37	40	5,953	855	0.047	148.81	6.96	1.600	0.99984
3423	2	3.67	2	220	342	0.006	109.81	0.64	1.000	0.99999
3471	2	2.02	9	618	423	0.021	68.65	1.46	1.000	0.99997
3472	5	9.82	16	1,520	1,101	0.015	94.99	1.38	1.000	0.99997
3551	2	1.82	998	54,503	954	1.046	54.61	57.13	1.070	0.99868
3552	1	5.67	11	3,731	504	0.022	339.15	7.40	1.000	0.99983
3553	4	5.43	5	356	787	0.006	71.21	0.45	1.000	0.99999
3591	2	10.88	27	13,342	1,587	0.017	494.13	8.41	1.000	0.99981
3592	3	7.18	141	21,637	1,754	0.080	153.45	12.34	1.000	0.99971
3593	2	1.98	32	1,336	943	0.034	41.76	1.42	1.000	0.99997
3594	1	.33	1	20	888	0.001	20.23	0.02	1.000	0.99999
3621	2	2.33	3	249	1,386	0.002	82.92	0.18	1.000	0.99999
3661	2	7.85	70	6,677	1,047	0.067	95.39	6.38	1.000	0.99985
3662	7	9.43	21	1,427	826	0.025	67.96	1.73	1.620	0.99996
3663	1	3.00	19	3,427	282	0.067	180.35	12.15	1.000	0.99972
3664	5	6.92	21	1,531	480	0.044	72.90	3.19	1.000	0.99993

3673	2	3.48	3	267	250	0.012	88.87	1.07	1.000	0.99998
3691	1	1.13	8	543	391	0.020	67.93	1.39	1.000	0.99997
3694	1	3.80	10	2,280	534	0.019	228.00	4.27	1.000	0.99990
3701	2	2.40	2	144	526	0.004	72.05	0.27	1.000	0.99999
3702	3	8.32	507	158,510	674	0.752	312.64	235.18	1.040	0.99456
3751	10	30.00	110	17,612	837	0.131	160.11	21.04	1.000	0.99951
3871	1	2.03	3	364	960	0.003	121.45	0.38	1.000	0.99999
3872	3	4.23	26	2,960	1,163	0.022	113.85	2.55	1.000	0.99994
3873	1	1.52	30	2,723	767	0.039	90.75	3.55	1.000	0.99992
3891	3	4.17	11	866	408	0.027	78.76	2.12	1.000	0.99995
3893	3	4.17	26	3,362	1,000	0.026	129.30	3.36	1.000	0.99992
3901	6	8.88	90	7,794	750	0.120	86.60	10.39	1.000	0.99976
3903	2	3.05	12	855	262	0.046	71.21	3.26	1.000	0.99992
3912	1	2.77	1	165	1,366	0.001	165.48	0.12	1.000	0.99999
3913	5	23.53	58	18,856	916	0.063	325.10	20.59	1.120	0.99952
3914	1	.88	17	909	345	0.049	53.47	2.63	1.000	0.99994
3951	6	23.82	23	4,761	852	0.027	207.00	5.59	1.000	0.99987
3952	4	7.75	88	9,859	802	0.110	112.03	12.29	1.000	0.99972
3953	5	12.48	77	10,977	458	0.168	142.55	23.97	1.000	0.99945
3971	7	31.50	36	8,185	657	0.055	227.36	12.46	1.000	0.99971
3981	10	41.90	64	8,382	1,298	0.049	130.97	6.46	1.000	0.99985
3982	21	115.20	136	52,435	1,743	0.078	385.55	30.08	1.030	0.99930
3991	4	8.95	621	206,246	618	1.005	332.12	333.73	1.000	0.99227
3992	2	9.03	129	42,576	128	1.008	330.05	332.63	1.010	0.99230
4031	4	12.72	15	4,850	601	0.025	323.34	8.07	1.150	0.99981
4091	2	4.73	24	2,126	1,055	0.023	88.56	2.01	1.000	0.99995
4092	1	3.13	1	187	401	0.002	187.28	0.47	1.000	0.99999
4101	2	5.08	66	14,599	888	0.074	221.19	16.44	1.000	0.99962
4102	2	3.68	2	221	514	0.004	110.63	0.43	1.000	0.99999
4135	1	2.88	31	5,348	41	0.756	172.52	130.44	1.000	0.99698
4136	1	1.77	1	105	674	0.001	105.30	0.16	1.000	0.99999
4138	2	3.60	2	215	570	0.004	107.42	0.38	1.000	0.99999
4141	1	1.43	1	86	62	0.016	86.35	1.39	1.000	0.99997
4142	2	3.28	10	1,515	525	0.019	151.54	2.89	1.000	0.99993
4152	4	6.23	11	919	1,270	0.009	83.56	0.72	1.100	0.99998
4153	6	10.25	14	3,481	1,183	0.012	248.64	2.94	1.000	0.99993
4171	8	15.78	1,342	111,833	1,095	1.226	83.33	102.13	1.230	0.99764
4172	10	18.78	75	9,194	1,738	0.043	122.59	5.29	1.500	0.99988
4173	4	9.75	86	13,219	681	0.126	153.71	19.41	1.000	0.99955
4181	4	4.35	22	944	720	0.031	42.91	1.31	1.830	0.99997
4182	1	9.83	3	1,765	706	0.004	588.22	2.50	1.000	0.99994
4211	2	1.70	11	793	767	0.014	72.08	1.03	1.000	0.99998

4212	2	13.72	2	822	951	0.002	410.92	0.86	1.000	0.99998
4222	4	11.17	29	4,305	1,021	0.028	148.46	4.22	1.000	0.99990
4223	6	13.53	61	4,537	1,106	0.055	74.38	4.10	1.000	0.99991
4224	3	7.45	124	15,876	766	0.162	128.03	20.73	1.010	0.99952
4302	2	6.45	855	70,449	637	1.342	82.40	110.60	1.350	0.99744
4303	3	6.45	91	6,151	1,367	0.067	67.60	4.50	1.000	0.99990
4312	1	9.05	1	543	925	0.001	542.97	0.59	1.000	0.99999
4321	2	49.58	153	8,392	661	0.231	54.85	12.70	1.000	0.99971
4323	3	1.75	3	105	316	0.009	34.92	0.33	1.500	0.99999
4324	1	.92	1	55	1	1.000	54.97	54.97	1.000	0.99877
4326	1	1.17	2	140	345	0.006	70.05	0.41	1.000	0.99999
4341	2	2.85	2	170	1,750	0.001	85.14	0.10	1.000	0.99999
4342	1	1.58	1	95	779	0.001	94.93	0.12	1.000	0.99999
4343	5	13.12	104	11,090	1,655	0.063	106.63	6.70	1.000	0.99984
4361	1	1.73	1	104	1,530	0.001	104.30	0.07	1.000	0.99999
4362	3	8.68	40	11,358	767	0.052	283.96	14.81	1.030	0.99966
4363	1	5.33	12	3,851	705	0.017	320.92	5.46	1.000	0.99987
4364	5	26.57	11	3,637	749	0.015	330.66	4.86	1.000	0.99989
4371	6	9.03	71	7,025	1,424	0.050	98.94	4.93	1.000	0.99989
4372	2	3.95	14	2,248	399	0.035	160.58	5.63	1.000	0.99987
4373	1	3.72	1	222	713	0.001	222.42	0.31	1.000	0.99999
4385	1	.67	1	40	1,021	0.001	39.77	0.04	1.000	0.99999
4431	9	12.20	179	12,083	1,204	0.149	67.50	10.04	1.020	0.99977
4511	3	11.02	3	660	1,096	0.003	220.10	0.60	1.500	0.99999
4602	2	1.88	2	112	850	0.002	56.15	0.13	1.000	0.99999
4692	2	2.52	63	7,776	419	0.150	123.44	18.56	1.000	0.99957
4712	1	3.10	2	372	117	0.017	186.00	3.18	1.000	0.99993
4714	2	6.92	12	1,764	301	0.040	146.99	5.86	1.000	0.99986
4791	5	6.32	9	1,029	628	0.014	114.32	1.64	1.000	0.99996
4793	1	1.03	7	434	783	0.009	62.00	0.55	1.000	0.99999
4794	5	15.67	59	11,335	375	0.157	192.12	30.23	1.000	0.99930
4891	1	3.55	1	212	452	0.002	212.42	0.47	1.000	0.99999
4892	2	3.60	2	217	271	0.007	108.43	0.80	1.000	0.99998
4902	6	20.17	115	41,211	1,188	0.097	358.36	34.69	1.000	0.99920
4903	4	8.03	4	480	144	0.028	119.95	3.33	1.330	0.99992
4905	1	8.87	1	532	377	0.003	531.73	1.41	1.000	0.99997
4906	1	1.53	116	10,635	1,224	0.095	91.68	8.69	1.000	0.99980
5601	3	9.78	28	6,776	1,224	0.023	242.01	5.54	1.000	0.99987
5602	1	8.38	1	503	613	0.002	503.23	0.82	1.000	0.99998
5603	10	63.32	71	19,314	1,378	0.052	272.03	14.02	1.010	0.99968
5641	1	3.10	306	56,758	306	1.000	185.48	185.48	1.000	0.99571
5902	2	2.50	2	149	889	0.002	74.70	0.17	1.000	0.99999

5903	1	.63	1	38	263	0.004	38.15	0.15	1.000	0.99999
5904	16	39.28	737	79,155	1,261	0.584	107.40	62.77	1.800	0.99855
5905	1	1.18	16	1,130	1,745	0.009	70.65	0.65	1.000	0.99999
6021	5	11.23	22	3,368	1,259	0.017	153.11	2.68	1.000	0.99994
6022	1	.35	1	22	507	0.002	21.52	0.04	1.000	0.99999
6024	2	5.75	24	4,148	369	0.065	172.84	11.24	2.000	0.99974
6141	10	31.52	37	10,679	537	0.069	288.62	19.89	1.000	0.99954
6142	2	8.60	58	7,637	301	0.193	131.67	25.37	1.000	0.99941
6402	2	7.88	2	473	132	0.015	236.39	3.58	1.000	0.99992
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	557	1,599.15	14,539	2,344,198	160,753	0.091	160.81	14.60	1.150	0.99966

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
07/01/2024 to 07/31/2024
INCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	2	2.72	1,755	210,386	1,716	1.023	119.88	122.60	1.030	0.99725
1051	1	2.02	494	59,840	497	0.994	121.13	120.40	1.000	0.99730
1052	3	15.18	979	117,521	981	0.998	120.04	119.80	1.000	0.99732
1082	7	16.35	41	6,787	1,219	0.034	165.54	5.57	1.000	0.99988
1091	2	1.43	40	1,680	752	0.053	42.01	2.23	1.000	0.99995
1092	8	12.10	8	728	895	0.009	90.95	0.81	1.600	0.99998
1093	1	.97	1	58	206	0.005	57.95	0.28	1.000	0.99999
1094	4	19.30	78	16,239	1,254	0.062	208.19	12.95	1.000	0.99971
1102	4	9.03	65	6,645	1,093	0.059	102.23	6.08	1.000	0.99986
1103	2	.93	3	87	857	0.004	28.91	0.10	1.000	0.99999
1141	2	2.48	22	1,853	863	0.025	84.22	2.15	1.000	0.99995
1211	4	12.60	11	1,281	1,342	0.008	116.41	0.95	1.000	0.99998
1212	1	1.10	1	66	320	0.003	66.00	0.21	1.000	0.99999
1213	3	3.90	20	1,526	521	0.038	76.30	2.93	1.000	0.99993
1230	8	15.32	8	918	1,021	0.008	114.74	0.90	1.600	0.99998
1232	3	9.00	71	18,999	1,081	0.066	267.59	17.58	1.000	0.99961
1233	7	29.07	73	16,379	606	0.120	224.37	27.03	1.000	0.99939
1241	1	1.87	8	899	804	0.010	112.33	1.12	1.000	0.99997
1243	1	2.20	1	133	1,151	0.001	132.83	0.12	1.000	0.99999
1271	10	35.12	60	5,711	875	0.069	95.18	6.53	1.050	0.99985
1273	2	5.58	18	3,148	793	0.023	174.86	3.97	1.000	0.99991
1282	3	6.90	3	414	677	0.004	137.97	0.61	1.500	0.99999
1283	1	.57	1	34	316	0.003	34.00	0.11	1.000	0.99999
1284	3	10.02	24	7,157	890	0.027	298.20	8.04	1.000	0.99982
1311	1	3.67	1	220	228	0.004	220.13	0.97	1.000	0.99998
1451	1	.90	6	322	539	0.011	53.68	0.60	1.000	0.99999
1452	1	5.15	1	309	404	0.002	309.10	0.77	1.000	0.99998
1453	11	34.12	141	40,887	1,576	0.089	289.98	25.94	1.010	0.99942
1454	4	12.38	246	56,969	824	0.299	231.58	69.14	1.000	0.99845
1455	1	2.53	1	152	389	0.003	152.27	0.39	1.000	0.99999
1521	2	1.57	8	405	314	0.025	50.67	1.29	1.000	0.99997
1523	2	3.77	28	3,138	698	0.040	112.08	4.50	2.000	0.99990

1843	3	4.12	16	1,072	935	0.017	67.01	1.15	1.000	0.99997
2051	1	.77	8	365	181	0.044	45.57	2.01	1.000	0.99995
2052	1	3.83	1	230	83	0.012	230.02	2.77	1.000	0.99994
2091	3	5.43	3	325	739	0.004	108.41	0.44	1.000	0.99999
2092	1	1.75	1	106	750	0.001	105.62	0.14	1.000	0.99999
2171	1	2.28	1	136	473	0.002	136.08	0.29	1.000	0.99999
2172	3	4.05	3	242	214	0.014	80.79	1.13	1.500	0.99997
2211	4	5.93	49	2,310	663	0.074	47.15	3.48	1.000	0.99992
2212	5	10.75	154	17,584	1,385	0.111	114.18	12.70	1.000	0.99972
2501	2	2.88	2	173	69	0.029	86.58	2.51	1.000	0.99994
2511	3	6.97	490	45,806	491	0.998	93.48	93.29	1.000	0.99791
2621	4	4.73	261	11,171	964	0.271	42.80	11.59	1.000	0.99974
2843	1	5.50	105	34,633	157	0.669	329.83	220.59	1.000	0.99506
2921	3	3.57	31	2,670	370	0.084	86.12	7.22	1.940	0.99984
2951	7	21.15	847	270,116	974	0.870	318.91	277.33	2.020	0.99379
2952	1	2.77	1	166	331	0.003	166.47	0.50	1.000	0.99999
3121	4	4.98	674	46,621	1,077	0.626	69.17	43.29	1.000	0.99903
3122	2	5.33	116	17,450	803	0.144	150.43	21.73	1.000	0.99951
3123	3	11.83	9	2,261	1,080	0.008	251.26	2.09	1.000	0.99995
3181	1	2.35	3	425	586	0.005	141.60	0.72	1.000	0.99998
3221	2	10.85	10	3,771	1,121	0.009	377.15	3.36	1.000	0.99992
3222	1	1.77	1	106	630	0.002	106.13	0.17	1.000	0.99999
3231	2	4.45	4	393	195	0.021	98.35	2.02	1.000	0.99995
3301	5	20.43	56	28,193	714	0.078	503.45	39.49	1.020	0.99912
3302	3	11.02	736	309,518	679	1.084	420.54	455.84	1.090	0.98979
3303	7	16.58	55	8,327	1,382	0.040	151.39	6.02	1.340	0.99987
3304	3	9.72	86	28,322	1,113	0.077	329.33	25.45	1.230	0.99943
3312	2	3.67	187	36,086	454	0.412	192.97	79.48	1.020	0.99822
3313	2	4.57	2	275	1,505	0.001	137.32	0.18	1.000	0.99999
3315	3	5.43	94	16,376	1,530	0.061	174.21	10.70	1.000	0.99976
3421	2	8.02	2	482	277	0.007	240.75	1.74	1.000	0.99996
3471	1	1.40	8	671	423	0.019	83.87	1.59	1.000	0.99996
3472	2	4.52	62	13,335	1,101	0.056	215.07	12.11	1.000	0.99973
3551	3	5.03	137	16,203	954	0.144	118.27	16.98	1.900	0.99962
3553	2	4.23	11	1,728	787	0.014	157.12	2.20	1.000	0.99995
3591	1	.95	18	1,017	1,587	0.011	56.52	0.64	1.000	0.99999
3592	2	2.73	20	1,696	1,754	0.011	84.81	0.97	1.000	0.99998
3593	1	3.88	1	233	943	0.001	233.22	0.25	1.000	0.99999
3621	2	4.07	2	243	1,386	0.001	121.73	0.18	1.000	0.99999
3661	1	.57	175	5,857	1,047	0.167	33.47	5.59	1.000	0.99987
3662	4	2.55	37	1,361	826	0.045	36.78	1.65	1.000	0.99996
3663	3	1.57	25	358	282	0.089	14.31	1.27	1.000	0.99997

3664	3	4.28	14	1,146	480	0.029	81.85	2.39	1.000	0.99995
3673	1	1.18	6	421	250	0.024	70.08	1.68	1.000	0.99996
3675	1	.85	8	401	510	0.016	50.13	0.79	1.000	0.99998
3693	2	5.37	14	2,245	186	0.075	160.37	12.07	2.000	0.99973
3702	10	10.10	184	11,172	674	0.273	60.72	16.58	1.000	0.99963
3751	1	1.02	7	427	837	0.008	60.97	0.51	1.000	0.99999
3873	1	2.08	1	124	767	0.001	124.10	0.16	1.000	0.99999
3878	4	9.90	59	10,921	758	0.078	185.10	14.41	1.400	0.99968
3891	1	3.93	1	236	408	0.002	235.65	0.58	1.000	0.99999
3892	1	.60	1	36	528	0.002	35.93	0.07	1.000	0.99999
3894	1	6.02	11	3,975	145	0.076	361.33	27.41	1.000	0.99939
3901	1	.63	1	37	750	0.001	37.08	0.05	1.000	0.99999
3903	3	10.03	8	2,283	262	0.031	285.36	8.71	1.000	0.99980
3913	2	12.35	42	10,146	916	0.046	241.56	11.08	2.000	0.99975
3951	2	1.97	8	347	852	0.009	43.34	0.41	1.000	0.99999
3952	4	4.08	15	1,077	802	0.019	71.78	1.34	1.000	0.99997
3953	2	3.53	50	5,500	458	0.109	110.00	12.01	1.000	0.99973
3981	6	10.07	36	3,146	1,298	0.028	87.39	2.42	1.500	0.99995
3982	3	5.45	17	2,042	1,743	0.010	120.15	1.17	1.000	0.99997
3991	6	9.57	33	3,813	618	0.053	115.54	6.17	1.430	0.99986
3992	3	4.62	26	2,283	128	0.203	87.82	17.84	1.000	0.99960
4031	2	3.23	2	194	601	0.003	97.06	0.32	1.000	0.99999
4091	5	12.02	63	7,889	1,055	0.060	125.21	7.48	1.000	0.99983
4092	1	1.03	6	372	401	0.015	61.98	0.93	1.000	0.99998
4101	5	15.18	2,748	519,046	888	3.095	188.88	584.51	3.100	0.98691
4102	3	8.98	516	126,821	514	1.004	245.78	246.73	1.000	0.99447
4132	1	2.77	11	1,825	551	0.020	165.93	3.31	1.000	0.99993
4133	15	83.45	899	160,193	639	1.407	178.19	250.69	1.410	0.99438
4134	10	2.73	234	4,519	835	0.280	19.31	5.41	1.000	0.99988
4135	1	5.80	1	348	41	0.024	347.53	8.48	1.000	0.99981
4136	4	9.83	7	1,047	674	0.010	149.52	1.55	1.000	0.99997
4138	1	1.08	1	64	570	0.002	64.48	0.11	1.000	0.99999
4141	1	2.07	1	124	62	0.016	124.10	2.00	1.000	0.99996
4152	3	5.98	39	4,562	1,270	0.031	116.97	3.59	1.440	0.99992
4153	1	2.32	1	138	1,183	0.001	138.15	0.12	1.000	0.99999
4154	2	15.77	2	947	1,428	0.001	473.26	0.66	1.000	0.99999
4171	1	.63	4	150	1,095	0.004	37.40	0.14	1.000	0.99999
4172	7	17.00	196	21,950	1,738	0.113	111.99	12.63	1.130	0.99972
4181	1	6.33	39	9,408	720	0.054	241.24	13.07	1.000	0.99971
4182	1	4.15	1	249	706	0.001	249.28	0.35	1.000	0.99999
4212	7	16.12	86	9,616	951	0.090	111.81	10.11	1.250	0.99977
4222	1	5.17	6	1,860	1,021	0.006	310.00	1.82	1.000	0.99996

4223	1	.98	12	710	1,106	0.011	59.15	0.64	1.000	0.99999
4301	1	1.05	30	1,877	110	0.273	62.57	17.06	1.000	0.99962
4302	2	2.63	2	157	637	0.003	78.70	0.25	2.000	0.99999
4303	3	3.63	56	4,227	1,367	0.041	75.48	3.09	1.300	0.99993
4311	1	1.63	30	2,940	711	0.042	97.98	4.13	1.000	0.99991
4312	1	2.83	3	510	925	0.003	170.10	0.55	1.000	0.99999
4321	2	3.37	2	202	661	0.003	100.95	0.31	2.000	0.99999
4323	1	1.15	1	69	316	0.003	68.85	0.22	1.000	0.99999
4324	5	8.42	5	505	1	5.000	101.00	505.00	5.000	0.98869
4326	1	2.38	1	143	345	0.003	143.02	0.41	1.000	0.99999
4341	2	20.60	26	13,943	1,750	0.015	536.25	7.97	1.000	0.99982
4342	2	3.70	16	2,140	779	0.021	133.73	2.75	1.000	0.99994
4343	9	41.92	248	45,483	1,655	0.150	183.40	27.48	1.010	0.99938
4344	3	14.78	10	1,471	334	0.030	147.06	4.40	1.000	0.99990
4361	4	18.95	48	6,950	1,530	0.031	144.79	4.54	1.000	0.99990
4364	3	8.17	6	691	749	0.008	115.21	0.92	1.000	0.99998
4371	4	13.78	15	4,994	1,424	0.011	332.91	3.51	1.000	0.99992
4372	2	3.50	6	621	399	0.015	103.58	1.56	1.000	0.99997
4386	7	15.62	317	27,842	1,623	0.195	87.83	17.15	1.070	0.99962
4431	2	1.60	92	4,713	1,204	0.076	51.23	3.91	1.000	0.99991
4511	2	4.55	21	1,539	1,096	0.019	73.29	1.40	1.000	0.99997
4512	1	1.18	1	70	1,077	0.001	70.13	0.07	1.000	0.99999
4513	1	5.97	5	1,786	760	0.007	357.25	2.35	1.000	0.99995
4602	3	4.40	279	14,268	850	0.328	51.14	16.79	1.990	0.99962
4692	2	5.95	119	29,352	419	0.284	246.65	70.05	1.000	0.99843
4714	5	13.82	26	1,944	301	0.086	74.76	6.46	1.730	0.99986
4783	1	2.20	1	132	235	0.004	132.12	0.56	1.000	0.99999
4794	1	2.28	8	1,090	375	0.021	136.28	2.91	1.000	0.99993
4891	1	1.68	1	101	452	0.002	101.00	0.22	1.000	0.99999
4902	1	5.05	1	303	1,188	0.001	303.10	0.26	1.000	0.99999
4906	2	3.08	120	9,534	1,224	0.098	79.45	7.79	1.000	0.99983
5601	3	14.35	19	7,029	1,224	0.016	369.97	5.74	1.000	0.99987
5602	3	3.35	81	7,846	613	0.132	96.86	12.80	1.000	0.99971
5603	3	3.77	3	227	1,378	0.002	75.67	0.16	1.000	0.99999
5641	1	1.32	1	79	306	0.003	79.00	0.26	1.000	0.99999
5901	1	1.57	1	94	862	0.001	93.90	0.11	1.000	0.99999
5902	1	1.23	1	73	889	0.001	73.47	0.08	1.000	0.99999
5904	1	17.68	25	26,510	1,261	0.020	1060.42	21.02	1.000	0.99953
5905	5	21.77	75	16,472	1,745	0.043	219.63	9.44	1.000	0.99979
6022	2	6.08	51	5,953	507	0.101	116.73	11.74	1.000	0.99974
6024	1	.85	12	612	369	0.033	51.00	1.66	1.000	0.99996
6141	3	4.57	643	59,442	537	1.197	92.44	110.69	2.000	0.99752

6142	2	2.22	9	622	301	0.030	69.07	2.07	1.000	0.99995
	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	446	1,147.72	16,555	2,747,670	160,753	0.105	164.83	17.28	1.280	0.99961

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

08/01/2024 to 08/31/2024

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	4.03	215	14,550	1,716	0.125	67.67	8.48	1.550	0.99981
1051	2	2.22	18	1,268	497	0.036	70.42	2.55	1.000	0.99994
1052	2	3.57	4	274	981	0.004	68.42	0.28	1.000	0.99999
1082	2	7.52	3	518	1,219	0.002	172.72	0.43	1.000	0.99999
1091	3	9.00	92	4,574	752	0.122	49.71	6.08	1.000	0.99986
1092	7	7.77	266	25,650	895	0.297	96.43	28.66	1.020	0.99936
1094	2	1.67	70	3,325	1,254	0.056	47.50	2.65	1.000	0.99994
1102	5	14.43	42	11,596	1,093	0.038	276.09	10.61	1.000	0.99976
1104	2	4.25	35	3,453	192	0.182	98.66	17.98	1.030	0.99960
1141	2	6.22	15	3,838	863	0.017	255.90	4.45	1.000	0.99990
1142	1	1.22	18	1,301	145	0.124	72.25	8.97	1.000	0.99980
1211	3	2.32	54	2,832	1,342	0.040	52.44	2.11	1.000	0.99995
1212	2	1.72	2	102	320	0.006	50.93	0.32	1.000	0.99999
1213	1	9.05	1	543	521	0.002	542.78	1.04	1.000	0.99998
1230	2	6.08	9	1,988	1,021	0.009	220.87	1.95	1.000	0.99996
1232	2	2.08	41	1,868	1,081	0.038	45.57	1.73	1.000	0.99996
1233	1	.65	58	2,281	606	0.096	39.33	3.76	1.000	0.99992
1241	2	3.37	10	874	804	0.012	87.40	1.09	1.000	0.99998
1243	7	11.20	74	11,500	1,151	0.064	155.41	9.99	1.000	0.99978
1271	1	.40	1	24	875	0.001	23.83	0.03	1.000	0.99999
1284	2	2.27	2	135	890	0.002	67.74	0.15	1.000	0.99999
1453	3	2.72	90	4,882	1,576	0.057	54.25	3.10	1.000	0.99993
1521	3	6.77	7	1,152	314	0.022	164.61	3.67	1.170	0.99992
1522	2	3.90	31	3,350	101	0.307	108.07	33.17	1.030	0.99926
1523	1	1.23	2	147	698	0.003	73.29	0.21	1.000	0.99999
1841	2	3.05	6	627	568	0.011	104.48	1.10	1.200	0.99998
2051	1	.83	1	49	181	0.006	49.30	0.27	1.000	0.99999
2091	4	9.07	466	66,889	739	0.631	143.54	90.51	1.080	0.99797
2092	1	1.57	24	2,270	750	0.032	94.60	3.03	1.000	0.99993
2171	2	4.78	68	15,742	473	0.144	231.49	33.28	1.000	0.99925
2172	1	1.58	1	95	214	0.005	94.85	0.44	1.000	0.99999
2211	1	.92	3	163	663	0.005	54.22	0.25	1.000	0.99999

2212	3	5.27	3	316	1,385	0.002	105.29	0.23	1.000	0.99999
2511	2	3.77	2	226	491	0.004	112.83	0.46	1.000	0.99999
2621	2	5.87	91	8,444	964	0.094	92.79	8.76	1.000	0.99980
2842	1	8.85	1	531	123	0.008	530.92	4.32	1.000	0.99990
2951	2	2.10	5	352	974	0.005	70.38	0.36	1.000	0.99999
2952	1	3.08	1	185	331	0.003	185.37	0.56	1.000	0.99999
2961	1	2.80	1	168	632	0.002	168.08	0.27	1.000	0.99999
3121	3	5.20	18	1,847	1,077	0.017	102.64	1.72	1.000	0.99996
3122	1	2.00	795	81,690	803	0.990	102.75	101.73	1.000	0.99772
3181	4	5.68	899	32,709	586	1.534	36.38	55.82	1.550	0.99875
3221	3	76.32	14	26,628	1,121	0.012	1902.01	23.75	1.000	0.99947
3222	26	406.30	49	57,701	630	0.078	1177.58	91.59	1.110	0.99795
3231	1	1.02	2	122	195	0.010	60.97	0.63	1.000	0.99999
3304	4	3.97	2,666	147,830	1,113	2.395	55.45	132.82	2.400	0.99702
3311	1	1.87	10	1,116	515	0.019	111.58	2.17	1.000	0.99995
3315	2	3.72	5	643	1,530	0.003	128.53	0.42	1.000	0.99999
3422	2	6.87	2	413	855	0.002	206.35	0.48	1.000	0.99999
3423	3	4.10	3	246	342	0.009	81.95	0.72	1.000	0.99998
3471	1	8.87	1	532	423	0.002	531.75	1.26	1.000	0.99997
3472	6	7.62	64	4,994	1,101	0.058	78.03	4.54	1.000	0.99990
3551	1	2.00	7	840	954	0.007	120.00	0.88	1.000	0.99998
3553	2	4.22	22	1,300	787	0.028	59.11	1.65	1.000	0.99996
3591	3	13.63	10	3,856	1,587	0.006	385.56	2.43	1.000	0.99995
3592	3	5.97	31	6,219	1,754	0.018	200.61	3.55	1.000	0.99992
3593	1	5.53	6	1,994	943	0.006	332.27	2.11	1.000	0.99995
3594	7	14.37	48	7,054	888	0.054	146.97	7.94	1.000	0.99982
3621	2	2.13	41	3,001	1,386	0.030	73.19	2.17	1.000	0.99995
3661	1	.37	110	2,481	1,047	0.105	22.55	2.37	1.000	0.99995
3662	2	3.62	31	4,347	826	0.038	140.24	5.26	1.000	0.99988
3663	3	3.88	3	233	282	0.011	77.54	0.82	1.000	0.99998
3664	2	2.13	7	438	480	0.015	62.59	0.91	1.000	0.99998
3671	1	1.32	1	79	647	0.002	79.00	0.12	1.000	0.99999
3691	1	1.13	8	543	391	0.020	67.82	1.39	1.000	0.99997
3702	2	9.23	15	6,605	674	0.022	440.32	9.80	1.000	0.99978
3751	18	148.83	526	86,487	837	0.628	164.42	103.33	1.030	0.99769
3871	2	2.10	2	126	960	0.002	62.86	0.13	1.000	0.99999
3872	4	4.03	19	1,257	1,163	0.016	66.15	1.08	1.060	0.99998
3878	3	9.87	40	3,759	758	0.053	93.98	4.96	1.000	0.99989
3891	3	6.05	409	51,998	408	1.002	127.13	127.45	1.010	0.99715
3892	1	6.03	527	190,396	528	0.998	361.28	360.60	1.000	0.99192
3893	8	24.33	33	6,278	1,000	0.033	190.23	6.28	1.030	0.99986
3894	1	6.07	145	52,775	145	1.000	363.97	363.97	1.000	0.99185

3901	1	.32	739	13,573	750	0.985	18.37	18.10	1.000	0.99959
3903	1	1.93	29	3,368	262	0.111	116.15	12.86	1.000	0.99971
3912	1	1.40	48	4,006	1,366	0.035	83.45	2.93	1.000	0.99993
3951	4	3.55	80	4,380	852	0.094	54.75	5.14	1.010	0.99988
3952	4	3.72	15	978	802	0.019	65.21	1.22	1.070	0.99997
3971	1	.95	3	171	657	0.005	57.00	0.26	1.000	0.99999
3981	3	6.83	7	861	1,298	0.005	122.99	0.66	1.000	0.99999
3982	2	3.02	67	5,458	1,743	0.038	81.46	3.13	1.000	0.99993
3991	1	1.03	1	62	618	0.002	61.70	0.10	1.000	0.99999
3992	4	8.37	12	1,247	128	0.094	103.89	9.74	1.000	0.99978
4031	1	.93	1	56	601	0.002	56.00	0.09	1.000	0.99999
4091	6	12.03	1,430	3,049	1,055	1.355	2.13	2.89	1.010	0.99994
4092	1	1.47	6	525	401	0.015	87.53	1.31	1.000	0.99997
4101	5	18.38	151	31,191	888	0.170	206.56	35.12	1.010	0.99921
4134	3	4.70	25	3,572	835	0.030	142.86	4.28	1.090	0.99990
4137	1	.77	1	46	754	0.001	46.35	0.06	1.000	0.99999
4141	1	25.78	1	1,547	62	0.016	1546.92	24.95	1.000	0.99944
4142	1	1.58	16	1,519	525	0.030	94.93	2.89	1.000	0.99994
4152	3	2.35	51	1,805	1,270	0.040	35.38	1.42	1.000	0.99997
4153	1	.48	1	30	1,183	0.001	29.70	0.03	1.000	0.99999
4154	1	2.75	6	988	1,428	0.004	164.60	0.69	1.000	0.99998
4155	2	2.10	2	126	1,706	0.001	62.86	0.07	1.000	0.99999
4171	4	3.72	9	453	1,095	0.008	50.38	0.41	1.000	0.99999
4172	2	5.12	8	1,817	1,738	0.005	227.09	1.05	1.000	0.99998
4181	3	4.83	47	7,193	720	0.065	153.05	9.99	1.000	0.99978
4211	4	9.43	22	3,950	767	0.029	179.53	5.15	2.200	0.99988
4212	3	4.20	85	6,549	951	0.089	77.05	6.89	1.120	0.99985
4222	2	3.63	17	2,820	1,021	0.017	165.87	2.76	1.000	0.99994
4223	1	6.15	14	3,889	1,106	0.013	277.79	3.52	1.000	0.99992
4303	1	4.82	3	866	1,367	0.002	288.70	0.63	1.000	0.99999
4311	1	.72	40	1,682	711	0.056	42.05	2.37	1.000	0.99995
4312	1	.62	22	803	925	0.024	36.48	0.87	1.000	0.99998
4326	2	1.23	6	242	345	0.017	40.31	0.70	1.000	0.99998
4331	1	1.45	25	2,192	296	0.084	87.68	7.41	1.000	0.99983
4333	1	.20	81	977	715	0.113	12.07	1.37	1.000	0.99997
4341	2	2.15	1,296	110,934	1,750	0.741	85.60	63.39	1.000	0.99858
4343	2	2.67	27	1,630	1,655	0.016	60.36	0.98	1.000	0.99998
4344	2	3.37	3	337	334	0.009	112.36	1.01	1.000	0.99998
4361	4	5.82	56	8,968	1,530	0.037	160.14	5.86	1.000	0.99987
4363	2	1.62	50	2,425	705	0.071	48.49	3.44	1.000	0.99992
4364	4	4.43	158	8,740	749	0.211	55.32	11.67	1.150	0.99974
4371	2	2.18	45	3,612	1,424	0.032	80.27	2.54	1.000	0.99994

4372	3	6.40	73	9,080	399	0.183	124.39	22.76	1.000	0.99949
4386	2	3.12	294	26,224	1,623	0.181	89.20	16.16	1.000	0.99964
4431	30	396.35	128	141,775	1,204	0.106	1107.62	117.75	1.100	0.99736
4432	3	82.83	4	5,026	355	0.011	1256.51	14.16	1.000	0.99968
4511	2	8.38	6	2,213	1,096	0.005	368.88	2.02	1.000	0.99995
4512	1	.73	1	45	1,077	0.001	44.52	0.04	1.000	0.99999
4601	1	.62	2	74	368	0.005	36.89	0.20	1.000	0.99999
4602	2	1.40	2	84	850	0.002	41.87	0.10	1.000	0.99999
4692	1	.32	48	915	419	0.115	19.07	2.18	1.000	0.99995
4712	1	.53	1	31	117	0.009	31.42	0.27	1.000	0.99999
4783	1	1.02	1	61	235	0.004	60.87	0.26	1.000	0.99999
4784	1	1.62	20	1,938	361	0.055	96.90	5.37	1.000	0.99988
4791	2	5.72	22	4,851	628	0.035	220.50	7.72	1.000	0.99983
4891	1	1.92	1	115	452	0.002	115.05	0.25	1.000	0.99999
4892	1	.78	1	47	271	0.004	47.43	0.18	1.000	0.99999
4902	1	.63	42	1,616	1,188	0.035	38.48	1.36	1.000	0.99997
4906	2	4.07	100	12,976	1,224	0.082	129.76	10.60	1.000	0.99976
5601	2	1.72	7	446	1,224	0.006	63.65	0.36	1.000	0.99999
5603	6	7.40	1,432	78,431	1,378	1.039	54.77	56.92	1.050	0.99872
5641	1	.45	304	8,426	306	0.993	27.72	27.54	1.000	0.99938
5901	1	.68	1	40	862	0.001	40.20	0.05	1.000	0.99999
5903	1	.35	1	20	263	0.004	20.33	0.08	1.000	0.99999
5904	1	5.28	1	317	1,261	0.001	316.58	0.25	1.000	0.99999
5905	4	2.70	82	3,985	1,745	0.047	48.60	2.28	1.000	0.99995
6021	2	3.75	1,266	37,724	1,259	1.006	29.80	29.96	1.010	0.99933
6024	2	1.95	38	1,458	369	0.103	38.36	3.95	1.000	0.99991
6141	3	2.97	540	19,658	537	1.006	36.40	36.61	1.010	0.99918
6143	1	3.23	307	59,471	308	0.997	193.72	193.09	1.000	0.99567
6144	1	3.25	236	45,808	240	0.983	194.10	190.87	1.000	0.99572

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	388	1,702.50	18,069	1,698,111	160,753	0.112	93.98	10.56	1.140	0.99976

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

09/01/2024 to 09/30/2024

EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	9.02	74	5,820	1,716	0.043	78.65	3.39	1.000	0.99992
1051	3	7.92	43	7,850	497	0.087	182.55	15.79	1.020	0.99963
1082	11	9.22	60	3,285	1,219	0.049	54.75	2.69	1.200	0.99994
1091	2	1.98	2	119	752	0.003	59.55	0.16	1.000	0.99999
1092	7	5.58	20	1,151	895	0.022	57.53	1.29	1.000	0.99997
1093	2	1.87	2	112	206	0.010	55.99	0.54	1.000	0.99999
1094	7	8.97	92	9,892	1,254	0.073	107.53	7.89	1.000	0.99982
1102	4	5.80	75	7,811	1,093	0.069	104.14	7.15	1.070	0.99983
1103	6	5.72	74	4,265	857	0.086	57.64	4.98	1.000	0.99988
1104	1	.43	16	406	192	0.083	25.38	2.12	1.000	0.99995
1211	1	2.52	1	151	1,342	0.001	151.00	0.11	1.000	0.99999
1212	1	1.38	1	83	320	0.003	82.92	0.26	1.000	0.99999
1230	2	3.38	2	202	1,021	0.002	101.24	0.20	1.000	0.99999
1232	3	3.45	8	577	1,081	0.007	72.18	0.53	1.000	0.99999
1241	2	1.95	63	4,025	804	0.078	63.90	5.01	1.000	0.99988
1242	2	1.50	37	2,829	735	0.050	76.45	3.85	1.000	0.99991
1243	1	1.60	78	7,539	1,151	0.068	96.65	6.55	1.000	0.99985
1271	2	2.15	9	647	875	0.010	71.87	0.74	1.000	0.99998
1273	1	1.87	1	113	793	0.001	112.67	0.14	1.000	0.99999
1282	1	.53	1	31	677	0.001	31.42	0.05	1.000	0.99999
1285	1	1.27	84	6,341	1,115	0.075	75.48	5.69	1.000	0.99987
1312	1	.63	1	38	849	0.001	38.12	0.04	1.000	0.99999
1451	1	.63	5	187	539	0.009	37.32	0.35	1.000	0.99999
1453	7	7.12	123	7,760	1,576	0.078	63.09	4.92	1.410	0.99989
1454	1	4.22	1	253	824	0.001	253.15	0.31	1.000	0.99999
1455	1	1.20	1	72	389	0.003	72.05	0.19	1.000	0.99999
1521	1	1.25	1	75	314	0.003	75.33	0.24	1.000	0.99999
1523	1	1.22	1	73	698	0.001	73.28	0.10	1.000	0.99999
1842	1	1.47	37	3,268	247	0.150	88.33	13.23	1.000	0.99969
2091	2	3.58	9	704	739	0.012	78.22	0.95	1.000	0.99998
2092	3	2.72	7	429	750	0.009	61.25	0.57	1.000	0.99999
2172	1	1.25	6	449	214	0.028	74.80	2.10	1.000	0.99995

2211	3	2.03	64	2,267	663	0.097	35.42	3.42	1.000	0.99992
2212	6	14.75	103	18,841	1,385	0.074	182.92	13.60	1.000	0.99969
2492	1	.93	1	55	26	0.038	55.33	2.13	1.000	0.99995
2501	1	1.07	1	63	69	0.014	63.22	0.92	1.000	0.99998
2511	2	3.30	2	198	491	0.004	98.78	0.40	1.000	0.99999
2621	1	2.47	4	592	964	0.004	147.97	0.61	1.000	0.99999
2951	2	2.42	50	3,373	974	0.051	67.45	3.46	1.000	0.99992
2952	2	.70	2	43	331	0.006	21.33	0.13	1.000	0.99999
2961	3	12.38	98	37,202	632	0.155	379.61	58.86	1.000	0.99864
3121	3	7.85	33	10,791	1,077	0.031	326.99	10.02	1.000	0.99977
3122	3	10.98	805	34,140	803	1.002	42.41	42.52	1.020	0.99902
3222	2	9.13	2	549	630	0.003	274.27	0.87	1.000	0.99998
3301	3	6.03	245	57,558	714	0.343	234.93	80.61	1.010	0.99813
3303	1	2.48	1	148	1,382	0.001	148.48	0.11	1.000	0.99999
3304	2	2.47	81	6,894	1,113	0.073	85.11	6.19	1.000	0.99986
3313	1	2.67	507	67,448	1,505	0.337	133.03	44.82	1.000	0.99896
3422	1	.55	1	33	855	0.001	33.18	0.04	1.000	0.99999
3471	2	1.47	2	88	423	0.005	43.80	0.21	1.000	0.99999
3472	3	2.47	18	708	1,101	0.016	39.36	0.64	1.000	0.99999
3551	1	.77	1	47	954	0.001	46.57	0.05	1.000	0.99999
3553	1	2.78	1	167	787	0.001	166.77	0.21	1.000	0.99999
3591	2	1.67	62	3,034	1,587	0.039	48.94	1.91	1.000	0.99996
3592	7	18.42	16	1,928	1,754	0.009	120.52	1.10	1.140	0.99997
3593	7	11.97	1,041	164,815	943	1.104	158.32	174.78	1.130	0.99595
3594	4	5.92	82	7,541	888	0.092	91.96	8.49	1.000	0.99980
3661	2	1.63	136	7,632	1,047	0.130	56.11	7.29	1.010	0.99983
3663	1	.53	3	97	282	0.011	32.47	0.35	1.000	0.99999
3664	3	3.48	9	386	480	0.019	42.85	0.80	1.000	0.99998
3694	1	2.17	1	130	534	0.002	130.48	0.24	1.000	0.99999
3701	2	1.62	2	98	526	0.004	48.85	0.19	1.000	0.99999
3751	2	2.67	14	1,119	837	0.017	79.92	1.34	2.000	0.99997
3871	1	2.43	1	146	960	0.001	146.00	0.15	1.000	0.99999
3873	4	3.95	8	485	767	0.010	60.57	0.63	1.000	0.99999
3878	1	1.08	18	1,177	758	0.024	65.37	1.55	1.000	0.99996
3891	2	1.30	15	639	408	0.037	42.58	1.57	1.000	0.99996
3892	1	1.03	1	62	528	0.002	61.70	0.12	1.000	0.99999
3893	5	5.68	7	392	1,000	0.007	55.95	0.39	1.000	0.99999
3894	1	.57	1	34	145	0.007	34.40	0.24	1.000	0.99999
3901	1	5.40	737	238,923	750	0.983	324.18	318.56	1.000	0.99263
3903	1	2.50	222	33,256	262	0.847	149.80	126.93	1.000	0.99706
3912	2	3.85	500	19,643	1,366	0.366	39.29	14.38	1.010	0.99967
3913	4	4.43	383	47,005	916	0.418	122.73	51.32	1.000	0.99881

3951	8	26.10	59	10,498	852	0.069	177.93	12.32	1.000	0.99971
3952	2	1.42	13	584	802	0.016	44.93	0.73	1.000	0.99998
3953	5	6.17	32	2,287	458	0.070	71.48	4.99	1.000	0.99988
3981	4	9.27	54	11,831	1,298	0.042	219.09	9.11	1.000	0.99979
3982	8	11.38	1,984	79,203	1,743	1.138	39.92	45.44	1.150	0.99895
3991	4	5.90	26	2,457	618	0.042	94.50	3.98	1.000	0.99991
3992	2	2.63	10	798	128	0.078	79.80	6.23	1.000	0.99986
4031	4	9.00	67	4,530	601	0.111	67.62	7.54	1.000	0.99983
4091	1	1.28	7	541	1,055	0.007	77.28	0.51	1.000	0.99999
4092	1	.95	6	342	401	0.015	56.98	0.85	1.000	0.99998
4101	6	18.00	114	15,016	888	0.128	131.72	16.91	1.190	0.99961
4102	4	1.25	562	19,994	514	1.093	35.58	38.90	1.090	0.99910
4131	2	3.12	2	187	192	0.010	93.28	0.97	1.000	0.99998
4132	1	2.83	1	170	551	0.002	170.33	0.31	1.000	0.99999
4137	1	2.00	1	120	754	0.001	120.02	0.16	1.000	0.99999
4138	3	4.78	27	2,340	570	0.047	86.68	4.11	1.000	0.99990
4142	2	5.35	11	1,603	525	0.021	145.68	3.05	1.000	0.99993
4152	4	3.70	26	1,613	1,270	0.020	62.05	1.27	1.000	0.99997
4153	1	2.93	21	3,693	1,183	0.018	175.85	3.12	1.000	0.99993
4154	1	1.00	32	1,931	1,428	0.022	60.33	1.35	1.000	0.99997
4155	2	6.08	10	2,906	1,706	0.006	290.62	1.70	1.000	0.99996
4171	3	8.12	20	1,592	1,095	0.018	79.61	1.45	1.000	0.99997
4172	3	2.30	3	138	1,738	0.002	45.88	0.08	1.000	0.99999
4181	7	8.08	131	11,658	720	0.182	88.99	16.19	1.440	0.99963
4182	2	2.50	2	150	706	0.003	75.04	0.21	1.000	0.99999
4211	2	2.38	13	874	767	0.017	67.20	1.14	1.000	0.99997
4212	8	6.58	142	8,145	951	0.149	57.36	8.56	1.170	0.99980
4312	1	2.93	16	2,804	925	0.017	175.27	3.03	1.000	0.99993
4321	5	4.38	162	10,098	661	0.245	62.33	15.28	1.140	0.99965
4332	1	.75	1	45	373	0.003	44.87	0.12	1.000	0.99999
4341	6	11.05	30	3,916	1,750	0.017	130.53	2.24	1.000	0.99995
4342	1	.68	1	41	779	0.001	41.45	0.05	1.000	0.99999
4343	2	1.75	31	1,905	1,655	0.019	61.47	1.15	1.000	0.99997
4344	2	.77	2	46	334	0.006	23.06	0.14	1.000	0.99999
4361	3	9.27	48	12,229	1,530	0.031	254.76	7.99	1.000	0.99981
4363	1	6.15	14	5,166	705	0.020	369.02	7.33	1.000	0.99983
4364	1	1.18	1	71	749	0.001	71.05	0.09	1.000	0.99999
4371	3	5.03	3	302	1,424	0.002	100.74	0.21	1.000	0.99999
4373	1	3.13	488	91,703	713	0.684	187.92	128.62	1.000	0.99702
4385	2	.92	42	1,122	1,021	0.041	26.70	1.10	1.000	0.99997
4386	2	1.52	293	18,381	1,623	0.181	62.73	11.33	1.000	0.99974
4431	3	7.33	69	3,787	1,204	0.057	54.88	3.15	1.000	0.99993

4432	1	3.18	186	16,365	355	0.524	87.99	46.10	1.000	0.99893
4511	3	1.73	3	104	1,096	0.003	34.72	0.10	1.000	0.99999
4512	1	6.15	97	35,785	1,077	0.090	368.92	33.23	1.000	0.99923
4601	2	2.85	8	684	368	0.022	85.56	1.86	2.000	0.99996
4602	1	1.03	47	2,898	850	0.055	61.67	3.41	1.000	0.99992
4692	2	2.72	9	753	419	0.021	83.70	1.80	1.000	0.99996
4712	2	10.35	12	6,228	117	0.103	519.04	53.23	1.000	0.99877
4714	1	1.03	5	310	301	0.017	62.00	1.03	1.000	0.99998
4891	1	1.37	1	81	452	0.002	81.23	0.18	1.000	0.99999
4906	3	5.90	36	1,167	1,224	0.029	32.43	0.95	1.800	0.99998
5602	1	2.00	1	120	613	0.002	120.38	0.20	1.000	0.99999
5603	7	8.98	74	12,013	1,378	0.054	162.33	8.72	1.000	0.99980
5901	1	1.35	10	810	862	0.012	80.98	0.94	1.000	0.99998
5904	2	9.32	10	1,298	1,261	0.008	129.82	1.03	1.110	0.99998
5905	3	2.17	30	1,001	1,745	0.017	33.38	0.57	1.030	0.99999
6021	5	4.47	1,280	27,234	1,259	1.017	21.28	21.63	1.020	0.99950
6022	2	2.77	505	11,169	507	0.996	22.12	22.03	1.010	0.99949
6023	2	2.22	114	2,214	113	1.009	19.42	19.59	1.010	0.99955
6024	1	3.33	366	73,115	369	0.992	199.77	198.14	1.000	0.99541
6141	1	2.02	1	121	537	0.002	120.77	0.22	1.000	0.99999
6142	1	2.23	13	1,741	301	0.043	133.90	5.78	1.000	0.99987
6143	1	1.85	1	111	308	0.003	110.82	0.36	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	352	566.37	13,602	1,378,443	160,753	0.085	101.34	8.57	1.050	0.99980

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

10/01/2024 to 10/31/2024

EXCLUDING MAJOR EVENT DAYS

CIRCUIT NUMBER	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUST. ON AFFECTED CIRCUITS	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
1050	5	5.05	391	27,359	1,716	0.228	69.97	15.94	1.000	0.99964
1051	8	8.38	58	3,366	497	0.117	58.03	6.77	1.000	0.99985
1082	4	4.45	17	987	1,219	0.014	58.08	0.81	1.060	0.99998
1091	6	25.17	84	17,105	752	0.112	203.63	22.75	1.010	0.99949
1092	2	1.07	4	125	895	0.004	31.29	0.14	2.000	0.99999
1094	2	2.03	124	5,993	1,254	0.099	48.33	4.78	1.000	0.99989
1102	8	13.70	129	22,210	1,093	0.118	172.17	20.32	1.070	0.99954
1103	1	1.02	33	2,013	857	0.039	61.00	2.35	1.000	0.99995
1141	2	3.47	48	4,950	863	0.056	103.13	5.74	2.000	0.99987
1142	1	1.10	1	66	145	0.007	65.92	0.45	1.000	0.99999
1211	4	5.07	29	1,465	1,342	0.022	50.53	1.09	1.040	0.99998
1213	3	2.60	4	241	521	0.008	60.19	0.46	1.000	0.99999
1230	3	2.83	4	200	1,021	0.004	50.12	0.20	1.000	0.99999
1232	5	10.42	49	4,410	1,081	0.045	90.00	4.08	1.000	0.99991
1271	4	5.77	26	1,850	875	0.030	71.17	2.11	1.300	0.99995
1282	3	1.80	3	109	677	0.004	36.47	0.16	1.500	0.99999
1283	1	.47	1	28	316	0.003	28.27	0.09	1.000	0.99999
1284	2	2.68	43	2,934	890	0.048	68.24	3.30	1.000	0.99993
1311	1	1.48	1	89	228	0.004	89.22	0.39	1.000	0.99999
1312	1	1.43	36	3,115	849	0.042	86.53	3.67	1.000	0.99992
1452	2	2.35	2	140	404	0.005	70.16	0.35	1.000	0.99999
1453	5	4.98	76	4,187	1,576	0.048	55.09	2.66	1.010	0.99994
1454	1	.58	1	36	824	0.001	35.87	0.04	1.000	0.99999
1521	1	.98	7	411	314	0.022	58.65	1.31	1.000	0.99997
1523	5	5.55	40	1,930	698	0.057	48.25	2.76	1.000	0.99994
1843	3	6.25	131	16,251	935	0.140	124.06	17.38	1.070	0.99961
2091	3	4.58	3	275	739	0.004	91.57	0.37	1.500	0.99999
2092	5	10.27	56	5,880	750	0.075	105.00	7.84	1.370	0.99982
2171	6	9.65	47	2,444	473	0.099	52.00	5.17	1.810	0.99988
2211	7	4.75	45	1,544	663	0.068	34.32	2.33	1.070	0.99995
2212	3	4.48	34	1,552	1,385	0.025	45.64	1.12	1.000	0.99997
2491	1	1.95	1	116	52	0.019	116.27	2.24	1.000	0.99995

2511	1	1.27	1	76	491	0.002	76.05	0.15	1.000	0.99999
2621	5	13.65	33	6,680	964	0.034	202.42	6.93	1.000	0.99984
2921	2	2.55	2	153	370	0.005	76.71	0.41	1.000	0.99999
2951	5	15.00	1,140	83,836	974	1.170	73.54	86.07	1.180	0.99807
2961	4	4.55	31	2,169	632	0.049	69.96	3.43	1.000	0.99992
3041	1	2.58	2	309	63	0.032	154.65	4.91	1.000	0.99989
3121	4	3.65	19	847	1,077	0.018	44.60	0.79	2.710	0.99998
3122	5	5.33	25	2,056	803	0.031	82.24	2.56	1.000	0.99994
3123	1	5.32	2	639	1,080	0.002	319.74	0.59	1.000	0.99999
3221	2	1.25	28	768	1,121	0.025	27.43	0.69	1.000	0.99998
3222	1	1.68	1	101	630	0.002	101.12	0.16	1.000	0.99999
3301	4	2.53	74	2,832	714	0.104	38.28	3.97	1.420	0.99991
3303	4	2.80	51	2,533	1,382	0.037	49.67	1.83	1.890	0.99996
3313	2	1.97	6	356	1,505	0.004	59.25	0.24	2.000	0.99999
3314	2	3.32	40	4,965	204	0.196	124.13	24.34	1.030	0.99945
3315	4	10.52	72	17,172	1,530	0.047	238.51	11.22	1.000	0.99975
3422	1	2.15	7	907	855	0.008	129.50	1.06	1.000	0.99998
3423	1	1.53	1	92	342	0.003	92.37	0.27	1.000	0.99999
3471	1	1.28	3	228	423	0.007	76.15	0.54	1.000	0.99999
3472	5	8.20	52	4,908	1,101	0.047	94.38	4.46	1.000	0.99990
3551	2	5.73	2	343	954	0.002	171.27	0.36	2.000	0.99999
3553	2	6.20	2	372	787	0.003	186.04	0.47	1.000	0.99999
3591	2	2.47	46	3,502	1,587	0.029	76.12	2.21	1.000	0.99995
3592	4	9.20	35	4,735	1,754	0.020	135.29	2.70	1.000	0.99994
3593	2	1.85	80	4,049	943	0.085	50.61	4.29	1.000	0.99990
3621	7	7.70	1,738	117,975	1,386	1.254	67.88	85.12	1.290	0.99809
3662	3	1.25	23	533	826	0.028	23.19	0.65	1.000	0.99999
3663	3	2.72	9	489	282	0.032	54.29	1.73	3.000	0.99996
3664	6	6.28	61	2,827	480	0.127	46.35	5.89	1.690	0.99987
3671	4	6.05	46	3,726	647	0.071	81.00	5.76	2.880	0.99987
3675	1	1.32	1	79	510	0.002	78.95	0.15	1.000	0.99999
3693	1	2.20	1	132	186	0.005	132.05	0.71	1.000	0.99998
3701	8	8.78	60	3,719	526	0.114	61.98	7.07	1.000	0.99984
3702	2	1.72	28	1,295	674	0.042	46.24	1.92	1.000	0.99996
3751	1	2.18	1	131	837	0.001	131.00	0.16	1.000	0.99999
3871	6	5.37	159	10,593	960	0.166	66.62	11.03	1.010	0.99975
3872	4	3.63	110	4,753	1,163	0.095	43.21	4.09	1.960	0.99991
3873	1	.90	30	1,620	767	0.039	54.00	2.11	1.000	0.99995
3878	3	2.87	41	2,366	758	0.054	57.70	3.12	1.780	0.99993
3891	1	.53	75	2,364	408	0.184	31.52	5.79	1.000	0.99987
3892	4	6.48	1,057	151,739	528	2.002	143.56	287.38	2.010	0.99356
3893	8	7.27	19	898	1,000	0.019	47.24	0.90	1.060	0.99998

3894	3	1.82	165	8,984	145	1.138	54.45	61.96	1.140	0.99861
3901	1	.70	42	1,770	750	0.056	42.15	2.36	1.000	0.99995
3902	1	1.27	1	76	74	0.014	76.08	1.03	1.000	0.99998
3912	2	2.18	25	1,669	1,366	0.018	66.74	1.22	1.000	0.99997
3913	1	1.48	88	7,880	916	0.096	89.55	8.60	1.000	0.99981
3951	3	6.90	138	43,350	852	0.162	314.13	50.88	1.000	0.99886
3952	1	1.13	12	818	802	0.015	68.13	1.02	1.000	0.99998
3953	6	6.52	38	2,708	458	0.083	71.27	5.91	2.530	0.99987
3971	5	6.72	59	4,606	657	0.090	78.06	7.01	2.570	0.99984
3981	9	12.05	24	2,152	1,298	0.018	89.69	1.66	1.500	0.99996
3982	9	10.52	2,123	62,814	1,743	1.218	29.59	36.04	1.230	0.99919
3991	5	7.47	51	3,941	618	0.083	77.28	6.38	1.000	0.99986
3992	2	2.87	7	449	128	0.055	64.12	3.51	1.170	0.99992
4031	1	1.27	1	76	601	0.002	75.50	0.13	1.000	0.99999
4091	7	26.37	438	121,410	1,055	0.415	277.19	115.08	1.050	0.99742
4092	1	.73	1	44	401	0.002	43.75	0.11	1.000	0.99999
4101	6	6.85	57	5,429	888	0.064	95.24	6.11	1.060	0.99986
4102	2	1.90	1,026	58,756	514	1.996	57.27	114.31	2.000	0.99744
4132	2	.83	2	50	551	0.004	24.87	0.09	2.000	0.99999
4133	2	4.23	2	254	639	0.003	126.94	0.40	1.000	0.99999
4138	4	4.35	14	887	570	0.025	63.36	1.56	1.080	0.99997
4142	1	1.05	21	1,322	525	0.040	62.97	2.52	1.000	0.99994
4152	1	1.17	23	1,597	1,270	0.018	69.45	1.26	1.000	0.99997
4171	5	3.90	60	2,681	1,095	0.055	44.68	2.45	1.540	0.99995
4182	2	1.62	24	1,028	706	0.034	42.84	1.46	1.000	0.99997
4211	7	8.57	80	4,409	767	0.104	55.12	5.75	3.200	0.99987
4212	14	17.87	107	8,090	951	0.113	75.61	8.51	1.180	0.99981
4222	3	5.82	11	964	1,021	0.011	87.60	0.94	1.380	0.99998
4223	1	1.37	20	1,651	1,106	0.018	82.57	1.49	1.000	0.99997
4224	2	6.65	13	952	766	0.017	73.21	1.24	1.000	0.99997
4303	2	2.82	55	4,408	1,367	0.040	80.14	3.22	1.000	0.99993
4311	1	1.78	22	2,350	711	0.031	106.80	3.30	1.000	0.99993
4321	1	5.87	1	352	661	0.002	351.70	0.53	1.000	0.99999
4322	2	2.23	2	133	3	0.667	66.73	44.48	1.000	0.99900
4331	2	2.05	313	18,520	296	1.057	59.17	62.57	1.080	0.99860
4332	1	.98	373	21,839	373	1.000	58.55	58.55	1.000	0.99869
4333	1	1.00	713	42,661	715	0.997	59.83	59.67	1.000	0.99866
4334	1	.73	221	9,650	222	0.995	43.67	43.47	1.000	0.99903
4342	1	.92	1	55	779	0.001	55.32	0.07	1.000	0.99999
4343	1	.77	1	46	1,655	0.001	46.18	0.03	1.000	0.99999
4344	1	5.18	1	311	334	0.003	310.53	0.93	1.000	0.99998
4361	5	9.50	1,609	209,109	1,530	1.052	129.96	136.67	1.060	0.99694

4362	1	2.20	765	100,483	767	0.997	131.35	131.01	1.000	0.99707
4363	3	4.60	741	94,856	705	1.051	128.01	134.55	1.060	0.99699
4364	1	2.20	737	96,793	749	0.984	131.33	129.23	1.000	0.99711
4371	4	7.33	62	6,568	1,424	0.044	105.94	4.61	1.000	0.99990
4373	3	6.73	489	96,632	713	0.686	197.61	135.53	1.000	0.99696
4385	3	5.67	83	12,086	1,021	0.081	145.61	11.84	1.980	0.99973
4386	1	1.62	193	18,615	1,623	0.119	96.45	11.47	1.000	0.99974
4431	8	27.53	104	8,839	1,204	0.086	84.99	7.34	1.000	0.99984
4432	1	3.33	1	200	355	0.003	200.15	0.56	1.000	0.99999
4511	2	2.30	48	3,278	1,096	0.044	68.28	2.99	2.000	0.99993
4512	3	8.13	4	784	1,077	0.004	195.98	0.73	1.330	0.99998
4513	1	2.73	1	164	760	0.001	163.68	0.22	1.000	0.99999
4602	4	3.03	188	8,587	850	0.221	45.68	10.10	4.000	0.99977
4692	1	1.02	11	671	419	0.026	61.00	1.60	1.000	0.99996
4791	7	9.58	45	4,769	628	0.072	105.97	7.59	1.020	0.99983
4794	8	4.05	8	242	375	0.021	30.22	0.64	1.000	0.99999
4903	1	.65	2	77	144	0.014	38.40	0.53	1.000	0.99999
5601	8	10.05	98	3,719	1,224	0.080	37.95	3.04	1.030	0.99993
5603	7	8.30	2,749	175,347	1,378	1.995	63.79	127.25	2.020	0.99715
5902	2	2.03	19	1,411	889	0.021	74.25	1.59	1.000	0.99996
5904	2	9.73	2	584	1,261	0.002	292.10	0.46	2.000	0.99999
5905	2	2.65	73	5,773	1,745	0.042	79.08	3.31	1.970	0.99993
6021	4	7.00	1,291	211,813	1,259	1.025	164.07	168.24	1.030	0.99623
6022	1	1.17	1	70	507	0.002	69.70	0.14	1.000	0.99999
6023	1	.78	1	47	113	0.009	47.45	0.42	1.000	0.99999
6024	2	2.73	24	1,965	369	0.065	81.88	5.33	2.000	0.99988
6141	2	2.45	2	147	537	0.004	73.73	0.27	1.000	0.99999
6142	1	1.03	1	62	301	0.003	62.12	0.21	1.000	0.99999
6402	1	.88	26	1,386	132	0.197	53.32	10.50	1.000	0.99976
6403	1	7.13	1	428	215	0.005	427.88	1.99	1.000	0.99996

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	452	678.85	22,497	2,099,895	160,753	0.140	93.34	13.06	1.250	0.99971

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

11/01/2024 to 11/30/2024

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	.83	47	2,326	1,716	0.027	49.48	1.36	1.000	0.99997
1051	1	1.58	36	3,407	497	0.072	94.63	6.85	1.000	0.99984
1052	3	2.63	43	2,355	981	0.044	54.77	2.40	1.000	0.99994
1082	7	22.92	381	38,406	1,219	0.313	100.80	31.51	1.000	0.99927
1091	2	1.65	51	981	752	0.068	19.23	1.30	1.000	0.99997
1092	3	3.73	890	86,146	895	0.994	96.79	96.25	1.000	0.99777
1093	3	11.05	4	929	206	0.019	232.15	4.51	1.330	0.99990
1094	6	5.82	109	3,504	1,254	0.087	32.15	2.79	1.000	0.99994
1102	2	6.58	7	707	1,093	0.006	101.05	0.65	1.000	0.99999
1103	2	6.22	57	12,178	857	0.067	213.65	14.21	1.000	0.99967
1104	1	1.95	1	117	192	0.005	117.08	0.61	1.000	0.99999
1141	1	.75	1	44	863	0.001	44.33	0.05	1.000	0.99999
1211	2	2.35	16	886	1,342	0.012	55.38	0.66	1.000	0.99998
1212	1	1.12	1	67	320	0.003	67.03	0.21	1.000	0.99999
1213	1	1.43	1	86	521	0.002	86.33	0.17	1.000	0.99999
1232	2	3.83	46	7,098	1,081	0.043	154.30	6.57	1.000	0.99985
1242	1	1.05	13	820	735	0.018	63.05	1.12	1.000	0.99997
1243	3	4.00	100	6,664	1,151	0.087	66.64	5.79	1.000	0.99987
1273	1	.70	1	42	793	0.001	41.72	0.05	1.000	0.99999
1282	3	8.68	6	1,367	677	0.009	227.89	2.02	1.000	0.99995
1285	4	6.82	108	6,744	1,115	0.097	62.44	6.05	1.010	0.99986
1311	1	5.52	1	332	228	0.004	331.80	1.46	1.000	0.99997
1312	5	3.60	881	43,324	849	1.038	49.18	51.03	1.050	0.99882
1451	1	.40	23	533	539	0.043	23.17	0.99	1.000	0.99998
1452	1	.83	1	50	404	0.002	50.47	0.12	1.000	0.99999
1454	2	3.87	3	446	824	0.004	148.63	0.54	1.000	0.99999
1523	2	5.97	4	648	698	0.006	162.12	0.93	1.000	0.99998
1841	7	6.07	62	3,661	568	0.109	59.05	6.45	1.000	0.99985
1843	2	8.27	20	2,649	935	0.021	132.43	2.83	1.000	0.99993
2051	1	.80	1	48	181	0.006	48.18	0.27	1.000	0.99999
2091	6	7.98	427	43,613	739	0.578	102.14	59.02	1.010	0.99863
2092	2	5.95	2	357	750	0.003	178.41	0.48	2.000	0.99999

2171	2	4.35	9	1,262	473	0.019	140.20	2.67	1.000	0.99994
2211	3	5.82	78	9,396	663	0.118	120.47	14.17	1.000	0.99967
2212	4	4.03	75	4,073	1,385	0.054	54.31	2.94	1.740	0.99993
2621	4	5.60	8	708	964	0.008	88.47	0.73	1.000	0.99998
2921	1	.48	12	339	370	0.032	28.22	0.92	1.000	0.99998
2951	2	1.62	2	83	974	0.002	41.32	0.08	1.000	0.99999
2961	2	1.93	2	116	632	0.003	58.14	0.18	1.000	0.99999
3121	3	3.77	1,078	70,318	1,077	1.001	65.23	65.29	1.010	0.99849
3122	6	12.42	83	17,054	803	0.103	205.47	21.24	1.010	0.99951
3123	3	2.80	6	206	1,080	0.006	34.38	0.19	1.000	0.99999
3221	2	2.77	11	895	1,121	0.010	81.34	0.80	1.000	0.99998
3222	1	.90	1	54	630	0.002	53.88	0.09	1.000	0.99999
3301	4	3.13	62	4,092	714	0.087	65.99	5.73	1.030	0.99987
3302	1	.77	61	2,779	679	0.090	45.55	4.09	1.000	0.99991
3303	3	5.22	23	2,671	1,382	0.017	116.14	1.93	1.000	0.99996
3304	5	8.77	1,114	263,100	1,113	1.001	236.18	236.39	1.000	0.99453
3311	1	1.03	10	613	515	0.019	61.30	1.19	1.000	0.99997
3315	2	2.58	18	733	1,530	0.012	40.70	0.48	1.000	0.99999
3422	3	9.20	112	13,927	855	0.131	124.35	16.29	1.020	0.99962
3471	1	1.78	35	3,754	423	0.083	107.25	8.87	1.000	0.99979
3472	5	11.90	1,099	135,012	1,101	0.998	122.85	122.63	1.010	0.99716
3551	2	9.80	964	359,707	954	1.010	373.14	377.05	1.040	0.99127
3552	2	4.25	12	1,376	504	0.024	114.71	2.73	1.000	0.99994
3553	1	1.15	29	2,014	787	0.037	69.45	2.56	1.000	0.99994
3591	1	.68	24	973	1,587	0.015	40.53	0.61	1.000	0.99999
3592	2	4.03	89	8,685	1,754	0.051	97.58	4.95	1.000	0.99989
3593	5	12.67	75	9,219	943	0.080	122.91	9.78	1.000	0.99977
3661	1	.53	38	1,215	1,047	0.036	31.98	1.16	1.000	0.99997
3662	1	.40	1	24	826	0.001	24.07	0.03	1.000	0.99999
3663	2	4.22	23	1,159	282	0.082	50.41	4.11	1.000	0.99990
3664	1	.42	1	25	480	0.002	25.27	0.05	1.000	0.99999
3671	2	1.68	19	614	647	0.029	32.33	0.95	1.000	0.99998
3691	1	6.82	388	158,692	391	0.992	409.00	405.86	1.000	0.99061
3692	1	7.32	412	180,868	413	0.998	439.00	437.94	1.000	0.98986
3701	2	1.55	8	369	526	0.015	46.08	0.70	1.000	0.99998
3751	4	10.55	1,057	46,170	837	1.263	43.68	55.16	1.070	0.99872
3871	1	.73	1	44	960	0.001	44.02	0.05	1.000	0.99999
3872	1	2.70	21	3,403	1,163	0.018	162.03	2.93	1.000	0.99993
3873	3	1.92	41	1,671	767	0.053	40.75	2.18	1.000	0.99995
3878	4	5.77	76	5,193	758	0.100	68.33	6.85	1.290	0.99984
3891	1	1.93	404	22,023	408	0.990	54.51	53.98	1.000	0.99875
3893	7	11.62	11	1,057	1,000	0.011	96.09	1.06	1.000	0.99998

3894	1	1.05	2	126	145	0.014	62.79	0.87	1.000	0.99998
3901	2	6.85	737	236,860	750	0.983	321.38	315.81	1.000	0.99269
3902	1	5.30	74	23,489	74	1.000	317.42	317.42	1.000	0.99265
3903	1	5.32	259	82,617	262	0.989	318.98	315.33	1.000	0.99270
3912	5	3.15	352	16,043	1,366	0.258	45.58	11.74	1.200	0.99973
3913	5	13.07	37	3,824	916	0.040	103.34	4.17	1.000	0.99990
3951	2	4.00	69	8,926	852	0.081	129.36	10.48	1.000	0.99976
3953	4	15.80	12	2,547	458	0.026	212.28	5.56	1.000	0.99987
3971	3	8.62	37	4,403	657	0.056	119.01	6.70	1.950	0.99984
3981	5	12.25	126	17,014	1,298	0.097	135.03	13.11	1.020	0.99970
3982	2	3.25	23	2,965	1,743	0.013	128.92	1.70	1.000	0.99996
3991	4	7.03	5	481	618	0.008	96.12	0.78	1.000	0.99998
3992	1	1.15	1	69	128	0.008	68.77	0.54	1.000	0.99999
4091	5	8.52	70	5,997	1,055	0.066	85.68	5.68	1.490	0.99987
4092	2	2.57	4	322	401	0.010	80.38	0.80	1.000	0.99998
4101	4	5.98	99	8,130	888	0.111	82.12	9.16	1.010	0.99979
4102	1	1.22	1	73	514	0.002	72.67	0.14	1.000	0.99999
4133	1	2.05	1	79	639	0.002	79.13	0.12	1.000	0.99999
4138	3	3.05	17	1,007	570	0.030	59.25	1.77	1.000	0.99996
4153	1	2.42	1	145	1,183	0.001	145.22	0.12	1.000	0.99999
4155	1	1.18	1	71	1,706	0.001	71.43	0.04	1.000	0.99999
4171	4	2.82	114	3,261	1,095	0.104	28.60	2.98	1.000	0.99993
4172	3	3.72	93	9,160	1,738	0.054	98.50	5.27	1.000	0.99988
4181	1	.52	37	1,137	720	0.051	30.73	1.58	1.000	0.99996
4211	3	13.20	47	8,013	767	0.061	170.49	10.45	1.000	0.99976
4212	2	5.00	938	49,938	951	0.986	53.24	52.51	1.000	0.99878
4222	1	.65	20	777	1,021	0.020	38.87	0.76	1.000	0.99998
4224	2	1.07	42	1,610	766	0.055	38.33	2.10	1.000	0.99995
4311	4	3.95	32	1,745	711	0.045	54.53	2.45	1.000	0.99994
4313	2	1.93	2	117	520	0.004	58.33	0.22	1.000	0.99999
4321	2	2.83	65	5,143	661	0.098	79.13	7.78	1.000	0.99982
4322	1	1.10	2	133	3	0.667	66.27	44.18	1.000	0.99898
4323	1	1.78	1	107	316	0.003	106.60	0.34	1.000	0.99999
4324	1	1.23	1	73	1	1.000	73.40	73.40	1.000	0.99830
4332	1	.53	1	32	373	0.003	31.98	0.09	1.000	0.99999
4341	4	6.85	4	410	1,750	0.002	102.55	0.23	1.000	0.99999
4344	1	.65	29	1,147	334	0.087	39.55	3.43	1.000	0.99992
4361	3	3.63	3	217	1,530	0.002	72.41	0.14	1.000	0.99999
4362	1	2.75	1	164	767	0.001	164.48	0.21	1.000	0.99999
4364	5	10.78	14	2,128	749	0.019	152.01	2.84	1.170	0.99993
4372	3	4.70	10	967	399	0.025	96.70	2.42	1.000	0.99994
4373	11	109.92	516	165,937	713	0.724	321.58	232.73	1.020	0.99461

4385	1	1.25	3	225	1,021	0.003	75.10	0.22	1.000	0.99999
4431	3	8.53	3	512	1,204	0.002	170.62	0.43	1.000	0.99999
4602	3	3.90	72	5,428	850	0.085	75.38	6.39	1.000	0.99985
4692	3	3.17	19	1,216	419	0.045	64.03	2.90	1.000	0.99993
4712	1	3.22	3	581	117	0.026	193.68	4.97	1.000	0.99989
4714	1	.85	1	51	301	0.003	51.17	0.17	1.000	0.99999
4791	1	3.33	1	200	628	0.002	200.32	0.32	1.000	0.99999
4891	1	.82	3	148	452	0.007	49.25	0.33	1.000	0.99999
4902	4	10.40	189	26,586	1,188	0.159	140.67	22.38	1.000	0.99948
4903	1	4.73	1	284	144	0.007	283.82	1.97	1.000	0.99995
5601	4	7.55	27	2,745	1,224	0.022	101.67	2.24	1.040	0.99995
5603	6	6.72	73	3,095	1,378	0.053	42.40	2.25	1.000	0.99995
5902	3	15.23	43	12,140	889	0.048	282.32	13.66	1.000	0.99968
5904	1	.95	1	57	1,261	0.001	57.28	0.05	1.000	0.99999
6402	1	.73	1	44	132	0.008	43.97	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:	327	691.37	15,277	2,326,937	160,753	0.095	152.32	14.48	1.020	0.99966

THE EMPIRE DISTRICT ELECTRIC COMPANY
CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI
12/01/2024 to 12/31/2024
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
1081	1	1.22	1	74	21	0.048	73.65	3.51	1.000	0.99992
1082	3	7.03	17	3,169	1,219	0.014	186.42	2.60	1.000	0.99994
1091	2	9.48	73	4,056	752	0.097	55.56	5.39	1.000	0.99988
1092	6	15.27	26	6,984	895	0.029	268.63	7.80	1.730	0.99983
1094	3	6.42	3	384	1,254	0.002	128.07	0.31	1.000	0.99999
1103	4	8.53	6	740	857	0.007	123.37	0.86	1.200	0.99998
1211	1	2.33	11	1,536	1,342	0.008	139.62	1.14	1.000	0.99997
1212	1	.85	1	51	320	0.003	51.07	0.16	1.000	0.99999
1213	4	3.98	9	528	521	0.017	58.71	1.01	1.000	0.99998
1233	1	1.15	38	2,609	606	0.063	68.67	4.31	1.000	0.99990
1241	2	3.65	10	990	804	0.012	99.01	1.23	1.000	0.99997
1243	2	2.18	18	1,041	1,151	0.016	57.83	0.90	1.000	0.99998
1271	1	.90	2	108	875	0.002	53.97	0.12	1.000	0.99999
1273	1	.90	1	54	793	0.001	53.85	0.07	1.000	0.99999
1284	1	.50	5	152	890	0.006	30.45	0.17	1.000	0.99999
1312	3	4.38	896	76,452	849	1.055	85.33	90.05	1.070	0.99798
1451	2	1.62	29	1,009	539	0.054	34.81	1.87	1.000	0.99996
1452	1	.52	12	363	404	0.030	30.27	0.90	1.000	0.99998
1453	2	4.33	2	261	1,576	0.001	130.60	0.17	1.000	0.99999
1521	1	1.00	6	360	314	0.019	59.98	1.15	1.000	0.99997
1841	1	1.58	1	95	568	0.002	94.88	0.17	1.000	0.99999
1843	2	6.65	2	399	935	0.002	199.42	0.43	1.000	0.99999
2051	1	2.35	1	142	181	0.006	141.52	0.78	1.000	0.99998
2092	2	3.13	2	188	750	0.003	94.23	0.25	1.000	0.99999
2211	2	2.40	46	3,323	663	0.069	72.24	5.01	1.000	0.99989
2212	5	5.85	46	3,720	1,385	0.033	80.87	2.69	1.000	0.99994
2492	1	2.42	1	145	26	0.038	144.98	5.58	1.000	0.99988
2511	1	.92	1	54	491	0.002	54.48	0.11	1.000	0.99999
2621	5	8.50	37	2,940	964	0.038	79.45	3.05	1.030	0.99993
2921	2	14.05	2	843	370	0.005	421.29	2.28	1.000	0.99995
3121	3	2.97	16	823	1,077	0.015	51.44	0.76	1.000	0.99998
3122	1	.90	1	53	803	0.001	53.37	0.07	1.000	0.99999

3123	2	1.32	4	221	1,080	0.004	55.27	0.20	1.000	0.99999
3221	4	7.25	1,133	61,865	1,121	1.011	54.60	55.19	1.020	0.99876
3222	8	18.80	534	73,013	630	0.848	136.73	115.89	1.020	0.99740
3232	2	3.30	11	1,249	390	0.028	113.53	3.20	1.100	0.99993
3301	1	1.18	16	1,125	714	0.022	70.33	1.58	1.000	0.99996
3302	2	2.80	2	167	679	0.003	83.51	0.25	1.000	0.99999
3303	1	1.40	35	2,938	1,382	0.025	83.95	2.13	1.000	0.99995
3304	1	2.50	1	150	1,113	0.001	150.28	0.14	1.000	0.99999
3311	2	1.98	181	14,696	515	0.351	81.19	28.54	1.000	0.99936
3312	1	.92	1	55	454	0.002	55.02	0.12	1.000	0.99999
3314	3	4.10	3	245	204	0.015	81.56	1.20	1.000	0.99997
3315	3	2.93	32	1,578	1,530	0.021	49.30	1.03	1.000	0.99998
3422	2	7.97	2	478	855	0.002	239.05	0.56	1.000	0.99999
3423	1	.85	1	51	342	0.003	50.73	0.15	1.000	0.99999
3471	1	2.22	1	133	423	0.002	133.05	0.31	1.000	0.99999
3472	3	4.45	75	7,710	1,101	0.068	102.80	7.00	1.000	0.99984
3591	1	1.50	20	1,789	1,587	0.013	89.45	1.13	1.000	0.99997
3592	3	7.28	10	2,487	1,754	0.006	248.73	1.42	1.000	0.99997
3621	4	7.32	94	11,809	1,386	0.068	125.63	8.52	1.010	0.99981
3661	2	1.33	39	2,111	1,047	0.037	54.13	2.02	1.000	0.99995
3662	3	4.55	26	750	826	0.031	28.85	0.91	1.000	0.99998
3664	1	1.07	1	64	480	0.002	64.08	0.13	1.000	0.99999
3671	1	1.15	1	69	647	0.002	68.98	0.11	1.000	0.99999
3694	1	2.17	1	130	534	0.002	130.27	0.24	1.000	0.99999
3701	2	2.37	7	492	526	0.013	70.27	0.94	1.000	0.99998
3751	4	5.85	51	3,952	837	0.061	77.49	4.72	1.000	0.99989
3872	1	.92	12	663	1,163	0.010	55.28	0.57	1.000	0.99999
3874	2	5.18	45	7,453	180	0.250	165.62	41.40	1.000	0.99907
3878	4	4.32	126	6,316	758	0.166	50.13	8.33	1.330	0.99981
3891	1	1.02	1	60	408	0.002	60.23	0.15	1.000	0.99999
3893	5	11.20	59	7,177	1,000	0.059	121.64	7.18	1.000	0.99984
3901	1	1.58	733	69,378	750	0.977	94.65	92.50	1.000	0.99793
3912	2	1.57	2	94	1,366	0.001	46.78	0.07	1.000	0.99999
3913	3	8.38	13	862	916	0.014	66.27	0.94	1.000	0.99998
3951	4	9.97	71	4,143	852	0.083	58.36	4.86	1.010	0.99989
3953	4	2.97	4	177	458	0.009	44.29	0.39	1.000	0.99999
3971	2	1.78	656	41,560	657	0.998	63.35	63.26	1.000	0.99858
3981	1	1.03	6	373	1,298	0.005	62.13	0.29	1.000	0.99999
3982	4	5.10	196	14,004	1,743	0.112	71.45	8.03	1.370	0.99982
4031	1	1.98	1	119	601	0.002	119.25	0.20	1.000	0.99999
4091	2	4.67	16	1,708	1,055	0.015	106.75	1.62	1.000	0.99996
4134	1	1.87	18	2,012	835	0.022	111.75	2.41	1.000	0.99995

4141	1	.40	1	24	62	0.016	23.98	0.39	1.000	0.99999
4142	2	6.78	34	9,080	525	0.065	267.05	17.29	1.000	0.99961
4152	3	4.10	61	4,747	1,270	0.048	77.81	3.74	1.610	0.99992
4154	1	.60	32	1,133	1,428	0.022	35.40	0.79	1.000	0.99998
4171	1	1.27	12	912	1,095	0.011	76.02	0.83	1.000	0.99998
4172	3	2.25	54	2,528	1,738	0.031	46.81	1.45	1.690	0.99997
4182	3	3.48	17	1,410	706	0.024	82.97	2.00	1.000	0.99996
4212	1	2.53	119	18,090	951	0.125	152.02	19.02	1.000	0.99957
4222	3	7.47	13	2,439	1,021	0.013	187.60	2.39	1.000	0.99995
4224	1	.80	1	48	766	0.001	48.23	0.06	1.000	0.99999
4302	1	7.23	1	434	637	0.002	434.30	0.68	1.000	0.99998
4303	1	.58	32	1,118	1,367	0.023	34.95	0.82	1.000	0.99998
4311	2	1.20	72	2,677	711	0.101	37.17	3.76	1.000	0.99992
4313	1	1.25	12	895	520	0.023	74.62	1.72	1.000	0.99996
4321	2	2.08	54	3,326	661	0.082	61.59	5.03	1.000	0.99989
4324	1	1.50	1	90	1	1.000	90.45	90.45	1.000	0.99797
4331	1	1.70	1	102	296	0.003	101.90	0.34	1.000	0.99999
4341	2	.77	2	46	1,750	0.001	22.99	0.03	1.000	0.99999
4343	2	1.57	10	246	1,655	0.006	24.64	0.15	1.000	0.99999
4361	3	3.70	21	886	1,530	0.014	42.20	0.58	1.000	0.99999
4371	2	3.68	2	222	1,424	0.001	110.86	0.16	1.000	0.99999
4372	1	.87	1	52	399	0.003	51.67	0.13	1.000	0.99999
4373	1	1.20	1	72	713	0.001	71.75	0.10	1.000	0.99999
4385	1	.93	1	56	1,021	0.001	55.92	0.05	1.000	0.99999
4602	2	1.82	28	1,296	850	0.033	46.29	1.52	1.000	0.99997
4692	5	4.67	52	2,778	419	0.124	53.43	6.63	1.330	0.99985
4714	3	4.68	17	1,195	301	0.056	70.27	3.97	1.000	0.99991
4783	1	.73	2	88	235	0.009	43.94	0.37	1.000	0.99999
4891	2	3.95	32	2,179	452	0.071	68.10	4.82	1.000	0.99989
4906	2	1.00	20	611	1,224	0.016	30.56	0.50	1.000	0.99999
5601	1	3.65	1	218	1,224	0.001	218.32	0.18	1.000	0.99999
5603	4	3.40	45	2,085	1,378	0.033	46.32	1.51	1.000	0.99997
5905	2	1.27	54	2,575	1,745	0.031	47.68	1.48	1.000	0.99997
6021	2	2.45	2	147	1,259	0.002	73.57	0.12	1.000	0.99999
6023	1	1.60	1	95	113	0.009	95.27	0.84	1.000	0.99998
6141	1	4.35	1	261	537	0.002	260.87	0.49	1.000	0.99999
6401	1	.77	15	698	199	0.075	46.50	3.51	1.000	0.99992
6403	1	1.25	1	75	215	0.005	75.37	0.35	1.000	0.99999

	NUMBER OF OUTAGES	OUTAGE HOURS REPORTED	CUSTOMERS AFFECTED	CUSTOMER OUTAGE MINUTES	TOTAL CUSTOMERS SERVED	SAIFI	CAIDI	SAIDI	CAIFI	ASAI
Total:	233	383.58	6,389	524,006	160,753	0.040	82.02	3.26	1.040	0.99993