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April 29, 2024

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Missouri Public Service Commission

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**RE: Reliability Performance Report**

The Empire District Electric Company ("Liberty") respectfully submits its annual reliability report for calendar year 2023. 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 2023 performance and planned 2024 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



# 2023 Missouri Annual Reliability Report

The Empire District Electric Company  
d/b/a Liberty

April 29, 2024



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## **Section 1:**

### **Introduction**

This report details The Empire District Electric Company (“Liberty” or “Company”) annual reliability metrics and worst performing circuits for calendar year 2023 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.

### 2023 Missouri Reliability Indices including Major Event Days

| Month     | SAIDI  | SAIFI | CAIDI  |
|-----------|--------|-------|--------|
| January   | 8.27   | 0.093 | 89.13  |
| February  | 8.88   | 0.086 | 102.81 |
| March     | 12.41  | 0.112 | 110.82 |
| April     | 2.95   | 0.038 | 77.92  |
| May       | 8.66   | 0.075 | 115.45 |
| June      | 26.08  | 0.178 | 146.55 |
| July      | 174.37 | 0.443 | 393.24 |
| August    | 14.4   | 0.103 | 140.48 |
| September | 21.23  | 0.152 | 139.32 |
| October   | 12.01  | 0.051 | 235.22 |
| November  | 4.01   | 0.054 | 74.5   |
| December  | 3.77   | 0.039 | 96.21  |

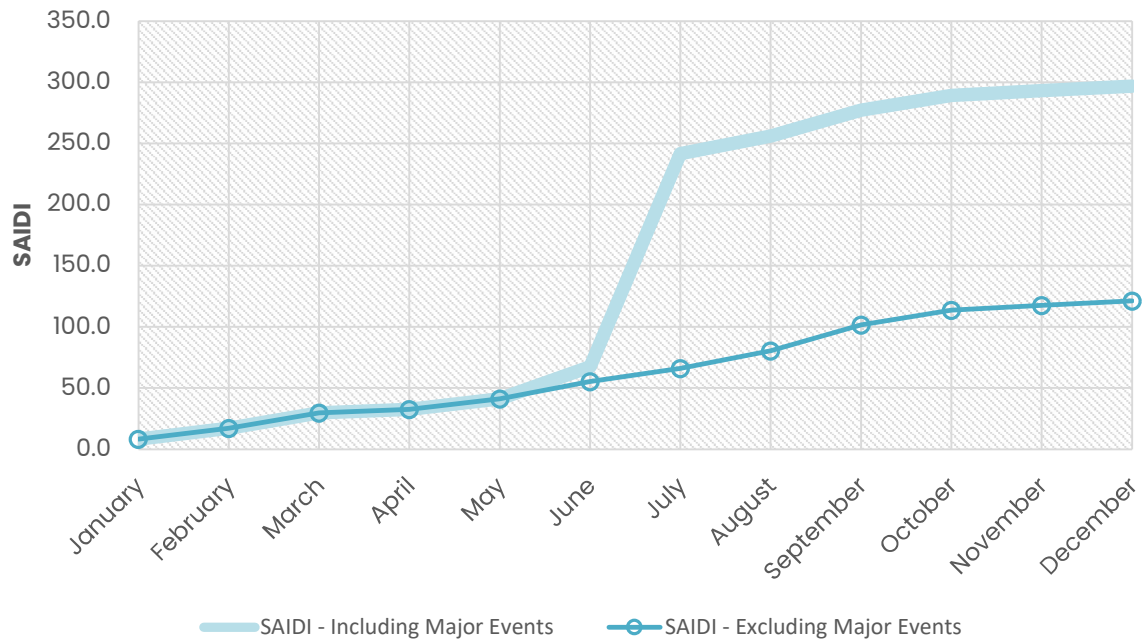


**2023 Missouri Reliability Indices excluding Major Event Days**

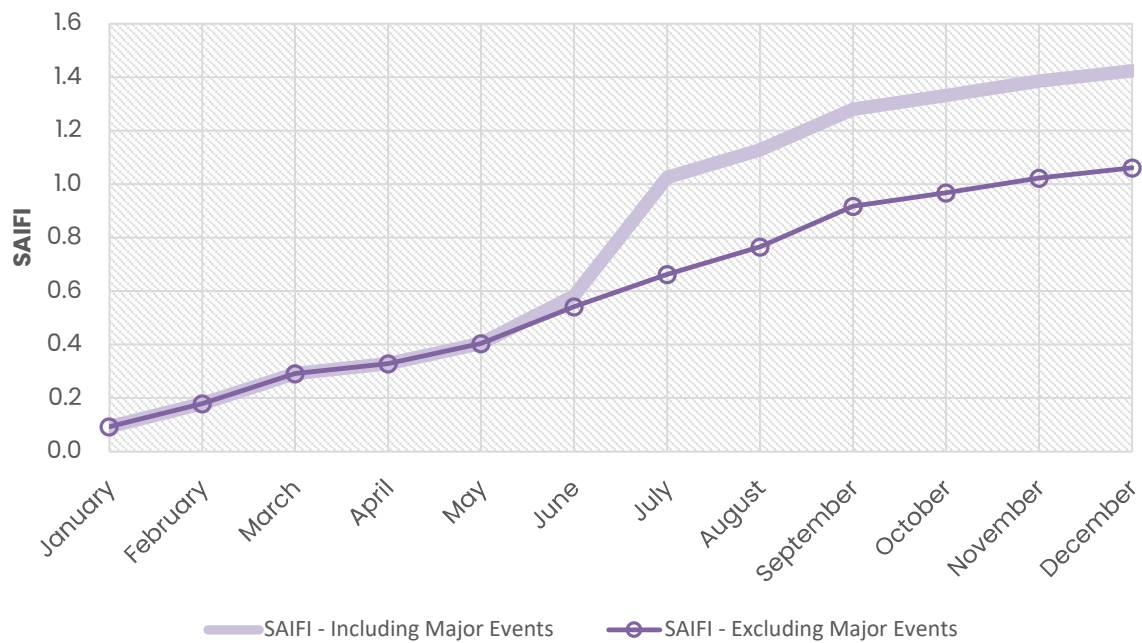
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|-----------|-------|-------|--------|
| January   | 8.27  | 0.093 | 89.13  |
| February  | 8.88  | 0.086 | 102.81 |
| March     | 12.41 | 0.112 | 110.82 |
| April     | 2.95  | 0.038 | 77.92  |
| May       | 8.66  | 0.075 | 115.45 |
| June      | 13.97 | 0.138 | 101.17 |
| July      | 10.76 | 0.12  | 89.73  |
| August    | 14.4  | 0.103 | 140.48 |
| September | 21.23 | 0.152 | 139.32 |
| October   | 12.01 | 0.051 | 235.22 |
| November  | 4.01  | 0.054 | 74.5   |
| December  | 3.77  | 0.039 | 96.21  |

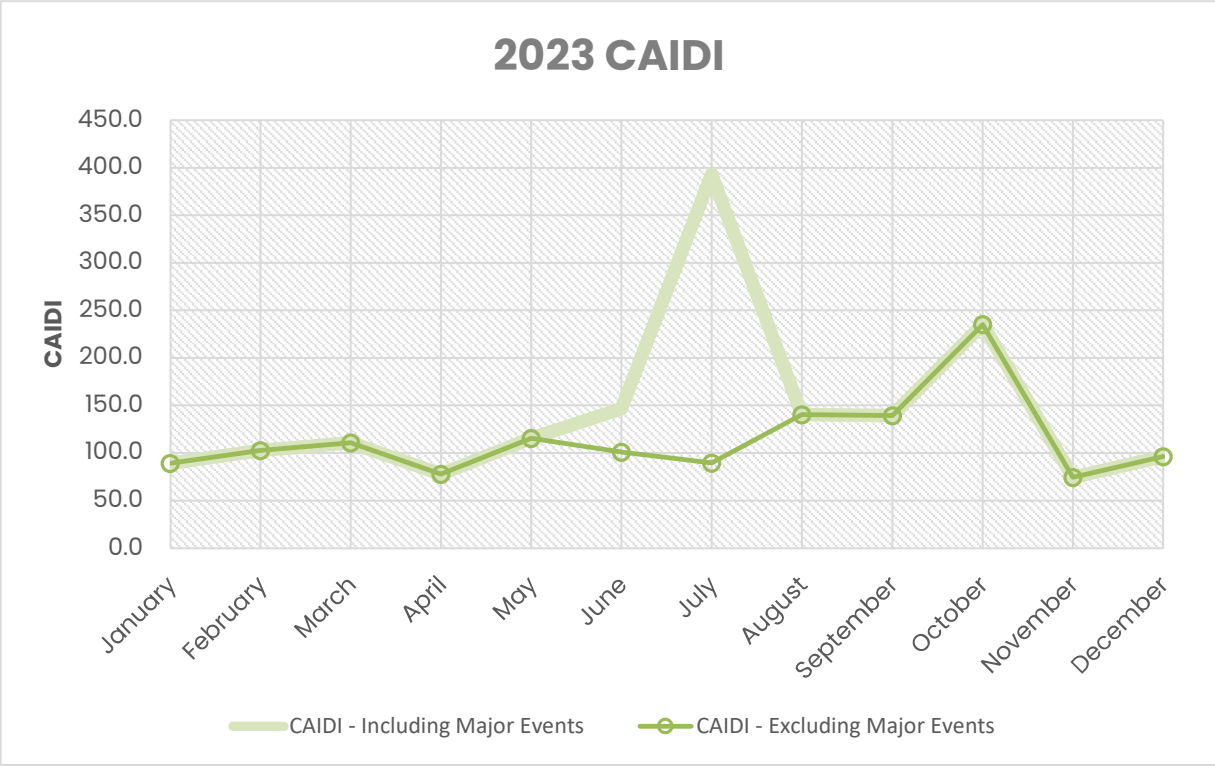


## 2023 Cumulative SAIDI



## 2023 Cumulative SAIFI







### Section 3:

#### Worst Performing Circuit Analysis/Improvement Program

Liberty's top 5% worst performing circuits for 2023 are provided in the table below.

#### 2023 Worst Performing Circuits

| Circuit Number | Location           | Customer Outage Minutes | Customers Affected | Total Customers on Affected Circuits | SAIFI | SAIDI    |
|----------------|--------------------|-------------------------|--------------------|--------------------------------------|-------|----------|
| 3315           | Branson - North    | 1,985,450               | 8,910              | 1,622                                | 5.496 | 1,225.17 |
| 1523           | Monett - H.T.      | 214,587                 | 4,236              | 776                                  | 5.432 | 275.02   |
| 2511           | Golden City        | 288,664                 | 2,863              | 631                                  | 4.537 | 457.47   |
| 2091           | Hermitage - East   | 661,802                 | 3,587              | 952                                  | 3.767 | 694.02   |
| 6142           | Greenfield         | 189,495                 | 1,149              | 340                                  | 3.375 | 556.40   |
| 5602           | Neosho - West      | 218,640                 | 2,243              | 720                                  | 3.115 | 303.67   |
| 4092           | Buffalo - North    | 120,207                 | 1,419              | 466                                  | 3.032 | 256.86   |
| 3913           | Joplin - Southeast | 221,652                 | 2,623              | 902                                  | 2.898 | 244.54   |
| 6141           | Greenfield         | 235,928                 | 1,812              | 659                                  | 2.752 | 358.21   |
| 4313           | Bolivar - South    | 133,905                 | 1,474              | 562                                  | 2.624 | 238.48   |
| 2621           | Albatross          | 218,747                 | 3,084              | 1,223                                | 2.505 | 177.78   |
| 2501           | Arcola - North     | 18,657                  | 204                | 84                                   | 2.429 | 222.11   |
| 3893           | Joplin - Southwest | 190,347                 | 2,911              | 1,211                                | 2.398 | 156.99   |
| 4432           | Noel City          | 192,225                 | 1,151              | 488                                  | 2.356 | 393.72   |

#### Worst Performing Circuit Assessment

##### Circuit 3315

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.



This circuit received an overhead detail inspection in 2021 and an underground detail inspection in 2022. This circuit is scheduled for an intrusive inspection in 2025.

This circuit lost power multiple times due to vegetation fall-ins from trees outside of the utility right-of-way. Vegetation maintenance activities have been performed as a response to these outages. Vegetation maintenance activities will also be performed in 2024.

This circuit also received a circuit-wide outage due to a faulty voltage regulator. The regulator has been replaced. Liberty is analyzing this circuit for further reliability improvement opportunities.

### **Circuit 1523**

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.

This circuit received both overhead and underground detail inspections in 2021. This circuit also received an intrusive inspection in 2023. This circuit is scheduled for patrol inspections in 2026 of both overhead and underground facilities.

This circuit had a variety of issues causing five full circuit outages. Two of the outages were caused by wildlife, two were caused by weather, and the remaining outage was caused by a car hitting a pole. Liberty has scheduled sectionalization and wildlife guarding for main trunk transformers on this circuit in 2024. This project will potentially reduce the scope of future outages and prevent wildlife related interruptions.

### **Circuit 2511**

Vegetation maintenance was last performed in 2019 and is scheduled to be performed in 2023.

This circuit received both overhead and underground patrol inspections in 2019. This circuit is scheduled for both overhead and underground detail inspections in 2025.

This circuit has experienced repeated issues with wildlife in the circuit and inside the substation. The entire circuit is scheduled to have wildlife guarding installed on distribution devices in 2024.

The substation transformer serving this circuit was replaced in early 2024. Wildlife guarding was installed within the substation as a part of this project to reduce the potential for future wildlife issues inside the substation.



### **Circuit 2091**

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.

This circuit received both overhead and underground patrol inspections in 2018 and an intrusive inspection in 2023. This circuit is scheduled for both overhead and underground detail inspections in 2024.

This circuit experienced multiple vegetation fall-ins from trees outside of the utility right-of-way. Vegetation maintenance activities have been performed as a response to these outages and further vegetation maintenance activities are scheduled to be performed in 2024.

Circuit 2091 also experienced a circuit-wide interruption due to an equipment failure of a distribution recloser. The offending recloser was removed and replaced. No further equipment replacement activities are scheduled.

### **Circuit 6142**

Vegetation maintenance was last performed in 2022 and is scheduled to be performed in 2024.

This circuit received an intrusive inspection in 2020 and both overhead and underground detail inspections in 2023. This circuit is scheduled for both overhead and underground patrol inspections in 2028.

This circuit experienced two transmission related outages in 2023. One interruption was due to a conductor connection failure and the other was associated with construction activities to retire the existing #614 – Greenfield substation. The incidents have been reviewed and no further action is warranted.

Circuits 6141 and 6142 are undergoing the process of voltage conversion from 4 kV to 12 kV. The voltage conversion will provide the benefit of distribution transformer replacements, including wildlife guard installation, which will enhance reliability.

This circuit also experienced an interruption due to a vegetation fall-in from a tree outside of the utility right-of-way. Vegetation maintenance activities are scheduled to be performed in 2024.

### **Circuit 5602**

Vegetation maintenance was last performed in 2019 and is scheduled to be performed in 2023.



This circuit received an intrusive inspection in 2019 and both overhead and underground patrol inspections in 2022. This circuit is scheduled for both overhead and underground detail inspections in 2025.

This circuit experienced three circuit-wide outages due to varying issues. A wildlife related fault within the #56 – Neosho West substation was responsible for one of the interruptions. As a result, Liberty has scheduled to install wildlife guarding to substation #56 – Neosho West in 2024. The other outage causes resulting in circuit-wide outages were a car hitting a structure and severe weather. No further remediation is currently planned as a result of these outages.

### **Circuit 4092**

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

This circuit received both overhead and underground detail inspections in 2021. This circuit is scheduled for both overhead and underground patrol inspections in 2026.

This circuit experienced three circuit-wide outages due to varying issues in 2023. These outages were caused by a car hitting a pole, a raccoon in the substation, and a squirrel within the distribution circuit. Liberty has scheduled to provide wildlife guarding to substation #409 – Buffalo North – which feeds circuit 4092 – in 2024.

This circuit is also being analyzed for potential sectionalization and wildlife protection improvements.

### **Circuit 3913**

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.

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

This circuit experienced two circuit-wide outages in 2023. One of the outages was caused by a car hitting a pole and the other was caused by a broken pole on Liberty's 69 kV transmission system. After the broken pole was identified, Liberty patrolled the transmission line segment and found no other issues requiring immediate attention. This line segment is scheduled for additional remedial work to be performed in 2024 as the result of routine inspection.



### **Circuit 6141**

Vegetation maintenance was last performed in 2022 and is scheduled to be performed in 2024.

This circuit received an intrusive inspection in 2021 and both overhead and underground patrol inspections in 2022. This circuit is scheduled for both overhead and underground detail inspections in 2027.

As previously reported for circuit 6142, this circuit experienced two transmission related outages in 2023. One interruption was due to a conductor connection failure and the other was associated with construction activities to retire the existing #614 – Greenfield substation. The incidents have been reviewed and no further action is warranted.

Circuits 6141 and 6142 are undergoing the process of voltage conversion from 4 kV to 12 kV. The voltage conversion will provide the benefit of distribution transformer replacements, including wildlife guard installation, which will enhance reliability.

### **Circuit 4313**

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.

This circuit received both overhead and underground detail inspections in 2023. This circuit is scheduled for an intrusive inspection in 2025.

This circuit experienced multiple outages due to vegetation fall-ins from trees outside of the utility right-of-way. Vegetation maintenance activities were performed in response to these outages and additional vegetation maintenance is scheduled to be performed in 2024.

### **Circuit 2621**

Vegetation maintenance was last performed in 2022 and is scheduled to be performed in 2024.

This circuit received both overhead and underground detail inspections in 2023. This circuit is scheduled for an intrusive inspection in 2025.

This circuit experienced an outage due to lightning and the ensuing equipment failure. Liberty sectionalized the faulted portion of the circuit by temporarily removing conductor jumpers and restoring power to a portion of the circuit's customers. This activity reduced the overall interruption duration for a portion of the customers, but required a second interruption to safely restore all customers. Liberty crews needed to de-energize the circuit breaker to safely reinstall the conductor jumpers before fully restoring power to all customers. This activity resulted in two



interruptions for each of the circuit's customers within three hours. No further activities are scheduled for this circuit.

### **Circuit 2501**

Vegetation maintenance was last performed in 2022 and is scheduled to be performed in 2024.

This circuit received both overhead and underground patrol inspections in 2021 and an intrusive inspection in 2023. This circuit is scheduled for both overhead and underground detail inspections in 2026.

This circuit experienced multiple outages caused by wildlife which impacted a significant portion of the customers on the circuit. Liberty will analyze this circuit for wildlife guarding opportunities.

### **Circuit 3893**

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

This circuit received both overhead and underground detail inspections in 2019. This circuit is scheduled for both overhead and underground patrol inspections in 2025.

This circuit had two circuit-wide outages caused by a recloser failure and an unknown cause. Liberty does not have any remediation currently planned. This circuit is being analyzed for reliability improvements.

### **Circuit 4432**

Vegetation maintenance was last performed in 2023 and is scheduled to be performed in 2024.

This circuit received both overhead and underground detail inspections in 2023. This circuit is scheduled for patrol inspections in 2028.

This circuit experienced two instances of cars hitting poles resulting in circuit-wide interruptions. Liberty does not have any remediation planned for this circuit. This circuit's reliability will continue to be monitored.



### Multi-Year Worst Performing Circuits

Liberty has identified three 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 2023 SAIFI value. A more detailed list of each circuit’s corrective action will follow.

### 2023 Multi-Year Worst Performing Circuits

| Location         | Circuit Number | SAIFI |       |       |
|------------------|----------------|-------|-------|-------|
|                  |                | 2021  | 2022  | 2023  |
| Golden City      | 2511           | 3.171 | 1.133 | 4.537 |
| Buffalo – North  | 4092           | 1.140 | 3.144 | 3.032 |
| Wentworth – West | 2051           | 3.067 | 4.152 | 0.177 |



### **Circuit 2511**

Vegetation maintenance was last performed in 2019 and is scheduled to be performed in 2023.

This circuit received both overhead and underground patrol inspections in 2019. This circuit is scheduled for both overhead and underground detail inspections in 2025.

This circuit has experienced repeated issues with wildlife in the circuit and inside the substation in both 2021 and 2023. The entire circuit is scheduled to have wildlife guarding installed on distribution devices in 2024.

The substation transformer serving this circuit was replaced in early 2024. Wildlife guarding was installed within the substation as a part of this project to reduce the potential for future wildlife issues inside the substation.

### **Circuit 4092**

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

This circuit received both overhead and underground detail inspections in 2021. This circuit is scheduled for both overhead and underground patrol inspections in 2026.

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 has scheduled to provide wildlife guarding to substation #409 – Buffalo North – which feeds circuit 4092 – in 2024.

This circuit is also being analyzed for potential sectionalization improvements.

### **Circuit 2051**

Vegetation maintenance was last performed in 2023.



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

The circuit had been identified as a worst performing circuit for 2021 and 2022. Over that two-year period, circuit 2051 experienced four outages caused by lightning and a single outage caused by wildlife. These types of outages can attempt to reclose at the breaker if the fault current does not exceed certain values. These types of outages are frequently momentary in nature and sustained outages are avoided by reclosing protective equipment. Given the approximate locations of the faults, Liberty suspected the reclosing mechanisms within the substation breaker were not properly operating.

Liberty investigated the substation breaker's reclosing mechanism and discovered the physical components were failing. This prevented the reclosing mechanism from consistently operating properly. Liberty also reviewed the circuit's downstream recloser settings and confirmed the settings were correct.

Substation #205 – Wentworth was entirely rebuilt in 2014, including a new circuit breaker for circuit 2051. Despite Liberty regularly maintaining this equipment, the circuit breaker required replacement to correct the issue. The circuit breaker replacement was completed in late 2022. The circuit's reliability performance – Circuit 2051 had a SAIFI of 0.177 in 2023 – indicates enhanced reliability as a result of the 2022 remediation activities.

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
1/1/2023 to 1/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1091              | 1                    | 1.28                        | 1                     | 77                            | 815                                    | 0.001 | 77.00  | 0.09  | 1.000 | 0.99999 |
| 1092              | 1                    | 1.52                        | 1                     | 91                            | 1,050                                  | 0.001 | 91.00  | 0.09  | 1.000 | 0.99999 |
| 1102              | 3                    | 2.23                        | 52                    | 2,422                         | 1,127                                  | 0.046 | 46.58  | 2.15  | 1.000 | 0.99995 |
| 1103              | 1                    | 0.67                        | 47                    | 1,892                         | 1,017                                  | 0.046 | 40.26  | 1.86  | 1.000 | 0.99996 |
| 1141              | 1                    | 0.85                        | 1                     | 51                            | 915                                    | 0.001 | 51.00  | 0.06  | 1.000 | 0.99999 |
| 1211              | 3                    | 3.58                        | 13                    | 562                           | 1,517                                  | 0.009 | 43.23  | 0.37  | 1.000 | 0.99999 |
| 1213              | 1                    | 1.87                        | 1                     | 112                           | 583                                    | 0.002 | 112.00 | 0.19  | 1.000 | 0.99999 |
| 1233              | 2                    | 3.51                        | 7                     | 1,034                         | 652                                    | 0.011 | 147.71 | 1.59  | 1.000 | 0.99996 |
| 1241              | 1                    | 1.33                        | 11                    | 882                           | 896                                    | 0.012 | 80.18  | 0.98  | 1.000 | 0.99998 |
| 1242              | 1                    | 2.07                        | 13                    | 1,620                         | 862                                    | 0.015 | 124.62 | 1.88  | 1.000 | 0.99996 |
| 1243              | 4                    | 4.13                        | 4                     | 248                           | 1,259                                  | 0.003 | 62.00  | 0.20  | 1.333 | 0.99999 |
| 1451              | 2                    | 1.20                        | 2                     | 72                            | 586                                    | 0.003 | 36.00  | 0.12  | 1.000 | 0.99999 |
| 1452              | 4                    | 3.40                        | 10                    | 555                           | 472                                    | 0.021 | 55.50  | 1.18  | 1.111 | 0.99997 |
| 1453              | 1                    | 1.47                        | 1                     | 88                            | 1,845                                  | 0.001 | 88.00  | 0.05  | 1.000 | 0.99999 |
| 1455              | 1                    | 2.85                        | 30                    | 5,138                         | 425                                    | 0.071 | 171.27 | 12.09 | 1.000 | 0.99973 |
| 1521              | 1                    | 0.82                        | 1                     | 49                            | 390                                    | 0.003 | 49.00  | 0.13  | 1.000 | 0.99999 |
| 1523              | 4                    | 7.43                        | 845                   | 24,301                        | 773                                    | 1.093 | 28.76  | 31.44 | 1.093 | 0.99930 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1841              | 1                    | 0.63                        | 12                    | 465                           | 653                                    | 0.018 | 38.75  | 0.71   | 1.000 | 0.99998 |
| 2051              | 1                    | 0.68                        | 1                     | 41                            | 213                                    | 0.005 | 41.00  | 0.19   | 1.000 | 0.99999 |
| 2091              | 5                    | 9.42                        | 185                   | 25,638                        | 950                                    | 0.195 | 138.58 | 26.99  | 1.063 | 0.99940 |
| 2212              | 1                    | 0.87                        | 8                     | 420                           | 1,394                                  | 0.006 | 52.50  | 0.30   | 1.000 | 0.99999 |
| 2491              | 2                    | 4.80                        | 2                     | 288                           | 66                                     | 0.030 | 144.00 | 4.36   | 1.000 | 0.99990 |
| 2492              | 1                    | 1.17                        | 1                     | 70                            | 30                                     | 0.033 | 70.00  | 2.33   | 1.000 | 0.99995 |
| 2621              | 2                    | 2.08                        | 2,468                 | 155,216                       | 1,234                                  | 2.000 | 62.89  | 125.78 | 2.000 | 0.99718 |
| 2622              | 1                    | 1.23                        | 1                     | 74                            | 122                                    | 0.008 | 74.00  | 0.61   | 1.000 | 0.99999 |
| 2951              | 7                    | 15.99                       | 54                    | 7,185                         | 1,275                                  | 0.042 | 133.06 | 5.64   | 1.174 | 0.99987 |
| 2961              | 2                    | 7.13                        | 79                    | 15,034                        | 660                                    | 0.120 | 190.30 | 22.78  | 1.000 | 0.99949 |
| 3121              | 1                    | 1.07                        | 28                    | 1,799                         | 1,164                                  | 0.024 | 64.25  | 1.55   | 1.000 | 0.99997 |
| 3181              | 7                    | 18.44                       | 842                   | 98,203                        | 771                                    | 1.092 | 116.63 | 127.37 | 1.092 | 0.99715 |
| 3221              | 2                    | 4.45                        | 1,299                 | 140,767                       | 1,299                                  | 1.000 | 108.37 | 108.37 | 1.205 | 0.99757 |
| 3231              | 1                    | 1.23                        | 2                     | 149                           | 229                                    | 0.009 | 74.50  | 0.65   | 1.000 | 0.99999 |
| 3302              | 1                    | 1.32                        | 51                    | 4,048                         | 663                                    | 0.077 | 79.37  | 6.11   | 1.000 | 0.99986 |
| 3303              | 5                    | 4.32                        | 68                    | 2,658                         | 1,475                                  | 0.046 | 39.09  | 1.80   | 1.046 | 0.99996 |
| 3304              | 3                    | 4.72                        | 3                     | 283                           | 1,186                                  | 0.003 | 94.33  | 0.24   | 1.000 | 0.99999 |
| 3421              | 1                    | 1.92                        | 1                     | 115                           | 308                                    | 0.003 | 115.00 | 0.37   | 1.000 | 0.99999 |
| 3422              | 2                    | 4.80                        | 469                   | 27,878                        | 1,011                                  | 0.464 | 59.44  | 27.57  | 1.000 | 0.99938 |
| 3551              | 2                    | 2.42                        | 25                    | 1,554                         | 1,049                                  | 0.024 | 62.16  | 1.48   | 1.000 | 0.99997 |
| 3591              | 4                    | 5.47                        | 59                    | 3,834                         | 1,587                                  | 0.037 | 64.98  | 2.42   | 1.035 | 0.99995 |
| 3661              | 2                    | 1.54                        | 124                   | 5,072                         | 1,120                                  | 0.111 | 40.90  | 4.53   | 1.008 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3701              | 2                    | 1.66                        | 14                    | 720                           | 549                                    | 0.026 | 51.43  | 1.31   | 1.000 | 0.99997 |
| 3871              | 2                    | 2.61                        | 40                    | 2,929                         | 1,100                                  | 0.036 | 73.23  | 2.66   | 1.000 | 0.99994 |
| 3872              | 1                    | 0.65                        | 2                     | 78                            | 1,214                                  | 0.002 | 39.00  | 0.06   | 1.000 | 0.99999 |
| 3873              | 1                    | 1.60                        | 1                     | 96                            | 821                                    | 0.001 | 96.00  | 0.12   | 1.000 | 0.99999 |
| 3878              | 1                    | 2.85                        | 17                    | 2,913                         | 856                                    | 0.020 | 171.35 | 3.40   | 1.000 | 0.99992 |
| 3891              | 1                    | 0.95                        | 1                     | 57                            | 466                                    | 0.002 | 57.00  | 0.12   | 1.000 | 0.99999 |
| 3892              | 2                    | 4.98                        | 529                   | 69,600                        | 554                                    | 0.955 | 131.57 | 125.63 | 1.002 | 0.99719 |
| 3893              | 2                    | 2.46                        | 141                   | 11,120                        | 1,205                                  | 0.117 | 78.87  | 9.23   | 1.060 | 0.99979 |
| 3894              | 2                    | 2.57                        | 2                     | 154                           | 166                                    | 0.012 | 77.00  | 0.93   | 2.000 | 0.99998 |
| 3912              | 1                    | 0.77                        | 51                    | 2,385                         | 1,429                                  | 0.036 | 46.76  | 1.67   | 1.000 | 0.99996 |
| 3913              | 1                    | 3.68                        | 2                     | 442                           | 831                                    | 0.002 | 221.00 | 0.53   | 1.000 | 0.99999 |
| 3914              | 1                    | 0.40                        | 1                     | 24                            | 400                                    | 0.003 | 24.00  | 0.06   | 1.000 | 0.99999 |
| 3951              | 3                    | 3.81                        | 23                    | 1,596                         | 967                                    | 0.024 | 69.39  | 1.65   | 1.000 | 0.99996 |
| 3952              | 2                    | 11.43                       | 2                     | 686                           | 917                                    | 0.002 | 343.00 | 0.75   | 1.000 | 0.99998 |
| 3971              | 1                    | 0.88                        | 30                    | 1,577                         | 703                                    | 0.043 | 52.57  | 2.24   | 1.000 | 0.99995 |
| 3981              | 3                    | 2.96                        | 3                     | 178                           | 1,587                                  | 0.002 | 59.33  | 0.11   | 1.000 | 0.99999 |
| 3991              | 2                    | 1.65                        | 15                    | 562                           | 769                                    | 0.020 | 37.47  | 0.73   | 1.000 | 0.99998 |
| 3992              | 1                    | 3.47                        | 65                    | 13,389                        | 175                                    | 0.371 | 205.98 | 76.51  | 1.000 | 0.99829 |
| 4091              | 3                    | 7.05                        | 1,221                 | 74,763                        | 1,216                                  | 1.004 | 61.23  | 61.48  | 1.010 | 0.99862 |
| 4101              | 2                    | 2.35                        | 100                   | 7,229                         | 991                                    | 0.101 | 72.29  | 7.29   | 1.020 | 0.99984 |
| 4133              | 1                    | 0.48                        | 1                     | 29                            | 285                                    | 0.004 | 29.00  | 0.10   | 1.000 | 0.99999 |
| 4134              | 1                    | 2.98                        | 3                     | 538                           | 1,288                                  | 0.002 | 179.33 | 0.42   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4138              | 4                    | 4.43                        | 4                     | 266                           | 756                                    | 0.005 | 66.50  | 0.35   | 1.333 | 0.99999 |
| 4141              | 1                    | 1.42                        | 1                     | 85                            | 85                                     | 0.012 | 85.00  | 1.00   | 1.000 | 0.99998 |
| 4153              | 1                    | 2.42                        | 4                     | 582                           | 1,209                                  | 0.003 | 145.50 | 0.48   | 1.000 | 0.99999 |
| 4171              | 1                    | 0.28                        | 1                     | 17                            | 1,211                                  | 0.001 | 17.00  | 0.01   | 1.000 | 0.99999 |
| 4172              | 1                    | 5.12                        | 40                    | 12,288                        | 1,908                                  | 0.021 | 307.20 | 6.44   | 1.000 | 0.99986 |
| 4212              | 3                    | 3.83                        | 1,257                 | 97,312                        | 1,101                                  | 1.142 | 77.42  | 88.39  | 1.336 | 0.99802 |
| 4224              | 3                    | 4.98                        | 4                     | 438                           | 786                                    | 0.005 | 109.50 | 0.56   | 1.000 | 0.99999 |
| 4311              | 1                    | 0.67                        | 10                    | 403                           | 764                                    | 0.013 | 40.30  | 0.53   | 1.000 | 0.99999 |
| 4331              | 3                    | 12.19                       | 366                   | 30,120                        | 340                                    | 1.076 | 82.30  | 88.59  | 1.076 | 0.99802 |
| 4341              | 2                    | 1.45                        | 9                     | 626                           | 1,861                                  | 0.005 | 69.56  | 0.34   | 1.125 | 0.99999 |
| 4343              | 3                    | 4.50                        | 28                    | 2,836                         | 1,700                                  | 0.016 | 101.29 | 1.67   | 1.037 | 0.99996 |
| 4361              | 2                    | 2.85                        | 687                   | 68,190                        | 1,702                                  | 0.404 | 99.26  | 40.06  | 1.042 | 0.99910 |
| 4362              | 1                    | 1.65                        | 844                   | 83,907                        | 844                                    | 1.000 | 99.42  | 99.42  | 1.000 | 0.99777 |
| 4363              | 1                    | 1.63                        | 710                   | 69,923                        | 710                                    | 1.000 | 98.48  | 98.48  | 1.000 | 0.99779 |
| 4364              | 1                    | 1.65                        | 868                   | 86,337                        | 868                                    | 1.000 | 99.47  | 99.47  | 1.000 | 0.99777 |
| 4371              | 2                    | 2.02                        | 2                     | 121                           | 1,575                                  | 0.001 | 60.50  | 0.08   | 1.000 | 0.99999 |
| 4372              | 2                    | 3.65                        | 441                   | 52,358                        | 440                                    | 1.002 | 118.73 | 119.00 | 1.002 | 0.99733 |
| 4373              | 3                    | 3.98                        | 797                   | 108,121                       | 794                                    | 1.004 | 135.66 | 136.17 | 1.004 | 0.99695 |
| 4385              | 2                    | 3.77                        | 81                    | 17,828                        | 1,160                                  | 0.070 | 220.10 | 15.37  | 1.013 | 0.99966 |
| 4386              | 1                    | 1.52                        | 45                    | 4,098                         | 1,659                                  | 0.027 | 91.07  | 2.47   | 1.000 | 0.99994 |
| 4431              | 1                    | 3.60                        | 4                     | 867                           | 1,449                                  | 0.003 | 216.75 | 0.60   | 1.000 | 0.99999 |
| 4432              | 1                    | 1.75                        | 65                    | 6,856                         | 488                                    | 0.133 | 105.48 | 14.05  | 1.000 | 0.99969 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4602              | 1                    | 1.03                        | 1                     | 62                            | 988                                    | 0.001 | 62.00  | 0.06   | 1.000 | 0.99999 |
| 4714              | 1                    | 0.75                        | 4                     | 182                           | 360                                    | 0.011 | 45.50  | 0.51   | 1.000 | 0.99999 |
| 4774              | 1                    | 1.72                        | 4                     | 413                           | 4                                      | 1.000 | 103.25 | 103.25 | 1.000 | 0.99769 |
| 4891              | 2                    | 2.53                        | 604                   | 58,196                        | 600                                    | 1.007 | 96.35  | 96.99  | 1.007 | 0.99783 |
| 4892              | 1                    | 1.62                        | 332                   | 32,419                        | 332                                    | 1.000 | 97.65  | 97.65  | 1.000 | 0.99781 |
| 4905              | 1                    | 0.70                        | 1                     | 42                            | 410                                    | 0.002 | 42.00  | 0.10   | 1.000 | 0.99999 |
| 4906              | 4                    | 4.21                        | 19                    | 1,885                         | 1,318                                  | 0.014 | 99.21  | 1.43   | 1.000 | 0.99997 |
| 5602              | 1                    | 1.23                        | 1                     | 74                            | 720                                    | 0.001 | 74.00  | 0.10   | 1.000 | 0.99999 |
| 5603              | 1                    | 0.42                        | 16                    | 406                           | 1,527                                  | 0.010 | 25.38  | 0.27   | 1.000 | 0.99999 |
| 5902              | 1                    | 1.72                        | 22                    | 2,286                         | 978                                    | 0.022 | 103.91 | 2.34   | 1.000 | 0.99995 |
| 5904              | 2                    | 2.74                        | 2                     | 164                           | 1,307                                  | 0.002 | 82.00  | 0.13   | 1.000 | 0.99999 |
| 5905              | 2                    | 1.28                        | 2                     | 77                            | 1,953                                  | 0.001 | 38.50  | 0.04   | 1.000 | 0.99999 |
| 6021              | 1                    | 0.78                        | 66                    | 3,129                         | 1,381                                  | 0.048 | 47.41  | 2.27   | 1.000 | 0.99995 |
| 6142              | 1                    | 0.42                        | 1                     | 25                            | 340                                    | 0.003 | 25.00  | 0.07   | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 182                  | 287.68                      | 16,429                | 1,463,990                     | 177,119                                | 0.093 | 89.11  | 8.27   | 1.141 | 0.99981 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
*2/1/2023 to 2/28/2023*  
**INCLUDING MAJOR EVENT DAYS**

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 20                   | 7.08                        | 208                   | 4,811                         | 1,777                                  | 0.117 | 23.13  | 2.71  | 1.030 | 0.99993 |
| 1051              | 4                    | 5.37                        | 164                   | 19,510                        | 560                                    | 0.293 | 118.96 | 34.84 | 2.025 | 0.99914 |
| 1082              | 3                    | 4.59                        | 630                   | 52,943                        | 1,419                                  | 0.444 | 84.04  | 37.31 | 1.003 | 0.99907 |
| 1092              | 2                    | 8.50                        | 6                     | 1,526                         | 1,050                                  | 0.006 | 254.33 | 1.45  | 1.000 | 0.99996 |
| 1093              | 1                    | 1.08                        | 1                     | 65                            | 236                                    | 0.004 | 65.00  | 0.28  | 1.000 | 0.99999 |
| 1094              | 1                    | 4.35                        | 12                    | 3,005                         | 1,279                                  | 0.009 | 250.42 | 2.35  | 1.000 | 0.99994 |
| 1101              | 6                    | 9.22                        | 6                     | 553                           | 812                                    | 0.007 | 92.17  | 0.68  | 1.000 | 0.99998 |
| 1102              | 10                   | 22.24                       | 283                   | 36,332                        | 1,127                                  | 0.251 | 128.38 | 32.24 | 2.128 | 0.99920 |
| 1211              | 1                    | 2.10                        | 1                     | 126                           | 1,517                                  | 0.001 | 126.00 | 0.08  | 1.000 | 0.99999 |
| 1212              | 2                    | 1.92                        | 2                     | 115                           | 350                                    | 0.006 | 57.50  | 0.33  | 1.000 | 0.99999 |
| 1230              | 1                    | 1.30                        | 62                    | 4,860                         | 1,253                                  | 0.049 | 78.39  | 3.88  | 1.000 | 0.99990 |
| 1273              | 1                    | 1.47                        | 1                     | 88                            | 874                                    | 0.001 | 88.00  | 0.10  | 1.000 | 0.99999 |
| 1282              | 2                    | 1.25                        | 710                   | 47,534                        | 709                                    | 1.001 | 66.95  | 67.04 | 1.001 | 0.99834 |
| 1311              | 2                    | 16.52                       | 2                     | 991                           | 288                                    | 0.007 | 495.50 | 3.44  | 1.000 | 0.99991 |
| 1451              | 1                    | 7.23                        | 6                     | 2,608                         | 586                                    | 0.010 | 434.67 | 4.45  | 1.000 | 0.99989 |
| 1453              | 3                    | 1.69                        | 1,987                 | 69,366                        | 1,845                                  | 1.077 | 34.91  | 37.60 | 1.077 | 0.99907 |
| 1455              | 1                    | 1.68                        | 1                     | 101                           | 425                                    | 0.002 | 101.00 | 0.24  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1523              | 1                    | 1.68                        | 110                   | 11,157                        | 773                                    | 0.142 | 101.43 | 14.43  | 1.000 | 0.99964 |
| 1841              | 2                    | 4.29                        | 62                    | 14,369                        | 653                                    | 0.095 | 231.76 | 22.00  | 1.016 | 0.99945 |
| 1843              | 1                    | 0.72                        | 1                     | 43                            | 1,146                                  | 0.001 | 43.00  | 0.04   | 1.000 | 0.99999 |
| 2052              | 1                    | 1.12                        | 1                     | 67                            | 86                                     | 0.012 | 67.00  | 0.78   | 1.000 | 0.99998 |
| 2091              | 5                    | 16.29                       | 420                   | 42,122                        | 950                                    | 0.442 | 100.29 | 44.34  | 1.000 | 0.99890 |
| 2092              | 2                    | 2.30                        | 15                    | 1,549                         | 962                                    | 0.016 | 103.27 | 1.61   | 1.000 | 0.99996 |
| 2171              | 1                    | 2.78                        | 1                     | 167                           | 597                                    | 0.002 | 167.00 | 0.28   | 1.000 | 0.99999 |
| 2212              | 1                    | 0.60                        | 1                     | 36                            | 1,394                                  | 0.001 | 36.00  | 0.03   | 1.000 | 0.99999 |
| 2491              | 1                    | 1.63                        | 1                     | 98                            | 66                                     | 0.015 | 98.00  | 1.48   | 1.000 | 0.99996 |
| 2511              | 2                    | 3.35                        | 24                    | 4,200                         | 631                                    | 0.038 | 175.00 | 6.66   | 1.000 | 0.99983 |
| 2621              | 1                    | 2.15                        | 236                   | 30,444                        | 1,234                                  | 0.191 | 129.00 | 24.67  | 1.000 | 0.99939 |
| 3121              | 1                    | 1.22                        | 10                    | 733                           | 1,164                                  | 0.009 | 73.30  | 0.63   | 1.000 | 0.99998 |
| 3181              | 1                    | 0.85                        | 21                    | 1,088                         | 771                                    | 0.027 | 51.81  | 1.41   | 1.000 | 0.99997 |
| 3221              | 1                    | 0.40                        | 1                     | 24                            | 1,299                                  | 0.001 | 24.00  | 0.02   | 1.000 | 0.99999 |
| 3222              | 4                    | 4.41                        | 904                   | 56,967                        | 804                                    | 1.124 | 63.02  | 70.85  | 1.339 | 0.99824 |
| 3231              | 1                    | 1.85                        | 13                    | 1,447                         | 229                                    | 0.057 | 111.31 | 6.32   | 1.000 | 0.99984 |
| 3232              | 1                    | 1.07                        | 4                     | 257                           | 452                                    | 0.009 | 64.25  | 0.57   | 1.000 | 0.99999 |
| 3302              | 1                    | 0.95                        | 1                     | 57                            | 663                                    | 0.002 | 57.00  | 0.09   | 1.000 | 0.99999 |
| 3303              | 1                    | 1.73                        | 1                     | 104                           | 1,475                                  | 0.001 | 104.00 | 0.07   | 1.000 | 0.99999 |
| 3304              | 4                    | 13.30                       | 110                   | 21,236                        | 1,186                                  | 0.093 | 193.05 | 17.91  | 1.146 | 0.99956 |
| 3315              | 6                    | 9.23                        | 3,329                 | 249,380                       | 1,620                                  | 2.055 | 74.91  | 153.94 | 2.055 | 0.99618 |
| 3423              | 1                    | 1.12                        | 1                     | 67                            | 407                                    | 0.002 | 67.00  | 0.16   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3471              | 2                    | 2.87                        | 2                     | 172                           | 502                                    | 0.004 | 86.00  | 0.34   | 1.000 | 0.99999 |
| 3472              | 1                    | 1.98                        | 1                     | 119                           | 1,347                                  | 0.001 | 119.00 | 0.09   | 1.000 | 0.99999 |
| 3552              | 2                    | 5.54                        | 28                    | 5,671                         | 590                                    | 0.047 | 202.54 | 9.61   | 1.000 | 0.99976 |
| 3591              | 1                    | 3.12                        | 1                     | 187                           | 1,587                                  | 0.001 | 187.00 | 0.12   | 1.000 | 0.99999 |
| 3592              | 2                    | 3.27                        | 3                     | 302                           | 1,824                                  | 0.002 | 100.67 | 0.17   | 1.000 | 0.99999 |
| 3621              | 14                   | 5.85                        | 52                    | 705                           | 1,626                                  | 0.032 | 13.56  | 0.43   | 1.020 | 0.99999 |
| 3662              | 1                    | 5.63                        | 902                   | 305,161                       | 902                                    | 1.000 | 338.32 | 338.32 | 1.000 | 0.99161 |
| 3664              | 3                    | 10.46                       | 103                   | 21,503                        | 588                                    | 0.175 | 208.77 | 36.57  | 1.073 | 0.99909 |
| 3702              | 1                    | 2.68                        | 5                     | 805                           | 689                                    | 0.007 | 161.00 | 1.17   | 1.000 | 0.99997 |
| 3871              | 1                    | 2.60                        | 1                     | 156                           | 1,100                                  | 0.001 | 156.00 | 0.14   | 1.000 | 0.99999 |
| 3878              | 1                    | 1.38                        | 34                    | 2,828                         | 856                                    | 0.040 | 83.18  | 3.30   | 1.000 | 0.99992 |
| 3893              | 3                    | 4.15                        | 61                    | 4,160                         | 1,205                                  | 0.051 | 68.20  | 3.45   | 1.000 | 0.99991 |
| 3901              | 1                    | 3.47                        | 1                     | 208                           | 887                                    | 0.001 | 208.00 | 0.23   | 1.000 | 0.99999 |
| 3903              | 2                    | 11.45                       | 2                     | 687                           | 319                                    | 0.006 | 343.50 | 2.15   | 1.000 | 0.99995 |
| 3951              | 2                    | 6.96                        | 6                     | 1,854                         | 967                                    | 0.006 | 309.00 | 1.92   | 1.000 | 0.99995 |
| 3952              | 1                    | 8.58                        | 14                    | 7,214                         | 917                                    | 0.015 | 515.29 | 7.87   | 1.000 | 0.99980 |
| 3953              | 2                    | 9.84                        | 6                     | 762                           | 545                                    | 0.011 | 127.00 | 1.40   | 1.000 | 0.99997 |
| 3971              | 1                    | 0.73                        | 8                     | 352                           | 703                                    | 0.011 | 44.00  | 0.50   | 1.000 | 0.99999 |
| 3981              | 1                    | 1.02                        | 9                     | 552                           | 1,587                                  | 0.006 | 61.33  | 0.35   | 1.000 | 0.99999 |
| 3982              | 4                    | 7.58                        | 189                   | 8,681                         | 1,836                                  | 0.103 | 45.93  | 4.73   | 1.005 | 0.99988 |
| 4031              | 1                    | 0.98                        | 724                   | 43,090                        | 724                                    | 1.000 | 59.52  | 59.52  | 1.000 | 0.99852 |
| 4091              | 3                    | 4.76                        | 3                     | 285                           | 1,216                                  | 0.002 | 95.00  | 0.23   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4102              | 1                    | 1.65                        | 32                    | 3,180                         | 561                                    | 0.057 | 99.38  | 5.67   | 1.000 | 0.99986 |
| 4155              | 1                    | 2.18                        | 33                    | 4,336                         | 1,739                                  | 0.019 | 131.39 | 2.49   | 1.000 | 0.99994 |
| 4171              | 5                    | 11.68                       | 10                    | 1,747                         | 1,211                                  | 0.008 | 174.70 | 1.44   | 1.250 | 0.99996 |
| 4173              | 1                    | 4.47                        | 7                     | 1,881                         | 694                                    | 0.010 | 268.71 | 2.71   | 1.000 | 0.99993 |
| 4182              | 1                    | 1.53                        | 213                   | 19,777                        | 780                                    | 0.273 | 92.85  | 25.36  | 1.000 | 0.99937 |
| 4211              | 1                    | 1.30                        | 1                     | 78                            | 806                                    | 0.001 | 78.00  | 0.10   | 1.000 | 0.99999 |
| 4212              | 1                    | 0.82                        | 1                     | 49                            | 1,101                                  | 0.001 | 49.00  | 0.04   | 1.000 | 0.99999 |
| 4222              | 3                    | 17.96                       | 15                    | 8,199                         | 1,087                                  | 0.014 | 546.60 | 7.54   | 1.071 | 0.99981 |
| 4224              | 2                    | 2.87                        | 858                   | 94,431                        | 786                                    | 1.092 | 110.06 | 120.14 | 1.094 | 0.99702 |
| 4313              | 2                    | 17.35                       | 12                    | 6,763                         | 560                                    | 0.021 | 563.58 | 12.08  | 1.000 | 0.99970 |
| 4341              | 2                    | 9.58                        | 15                    | 6,688                         | 1,861                                  | 0.008 | 445.87 | 3.59   | 1.071 | 0.99991 |
| 4362              | 3                    | 1.67                        | 605                   | 45,691                        | 844                                    | 0.717 | 75.52  | 54.14  | 1.152 | 0.99866 |
| 4371              | 3                    | 3.93                        | 59                    | 4,614                         | 1,575                                  | 0.037 | 78.20  | 2.93   | 1.000 | 0.99993 |
| 4372              | 2                    | 2.85                        | 2                     | 171                           | 440                                    | 0.005 | 85.50  | 0.39   | 1.000 | 0.99999 |
| 4373              | 1                    | 0.90                        | 1                     | 54                            | 794                                    | 0.001 | 54.00  | 0.07   | 1.000 | 0.99999 |
| 4385              | 1                    | 1.47                        | 2                     | 177                           | 1,160                                  | 0.002 | 88.50  | 0.15   | 1.000 | 0.99999 |
| 4431              | 1                    | 0.85                        | 11                    | 566                           | 1,449                                  | 0.008 | 51.45  | 0.39   | 1.000 | 0.99999 |
| 4432              | 3                    | 11.88                       | 262                   | 70,538                        | 488                                    | 0.537 | 269.23 | 144.55 | 1.679 | 0.99642 |
| 4601              | 1                    | 4.17                        | 13                    | 3,261                         | 408                                    | 0.032 | 250.85 | 7.99   | 1.000 | 0.99980 |
| 4602              | 1                    | 1.22                        | 1                     | 73                            | 988                                    | 0.001 | 73.00  | 0.07   | 1.000 | 0.99999 |
| 4692              | 2                    | 2.48                        | 13                    | 1,360                         | 506                                    | 0.026 | 104.62 | 2.69   | 1.000 | 0.99993 |
| 4714              | 2                    | 1.82                        | 2                     | 109                           | 360                                    | 0.006 | 54.50  | 0.30   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4782              | 1                    | 1.22                        | 1                     | 73                            | 100                                    | 0.010 | 73.00  | 0.73  | 1.000 | 0.99998 |
| 4791              | 1                    | 1.63                        | 1                     | 98                            | 634                                    | 0.002 | 98.00  | 0.15  | 1.000 | 0.99999 |
| 4891              | 1                    | 1.77                        | 135                   | 14,312                        | 600                                    | 0.225 | 106.01 | 23.85 | 1.000 | 0.99941 |
| 4902              | 1                    | 1.30                        | 1                     | 78                            | 1,224                                  | 0.001 | 78.00  | 0.06  | 1.000 | 0.99999 |
| 4905              | 1                    | 1.82                        | 1                     | 109                           | 410                                    | 0.002 | 109.00 | 0.27  | 1.000 | 0.99999 |
| 4906              | 2                    | 3.87                        | 63                    | 2,681                         | 1,318                                  | 0.048 | 42.56  | 2.03  | 1.000 | 0.99995 |
| 5601              | 1                    | 0.42                        | 1                     | 25                            | 1,311                                  | 0.001 | 25.00  | 0.02  | 1.000 | 0.99999 |
| 5602              | 2                    | 1.53                        | 721                   | 45,197                        | 720                                    | 1.001 | 62.69  | 62.77 | 1.001 | 0.99844 |
| 5603              | 3                    | 1.56                        | 26                    | 712                           | 1,527                                  | 0.017 | 27.38  | 0.47  | 1.000 | 0.99999 |
| 5901              | 1                    | 1.07                        | 1                     | 64                            | 902                                    | 0.001 | 64.00  | 0.07  | 1.000 | 0.99999 |
| 5902              | 3                    | 4.40                        | 143                   | 14,153                        | 978                                    | 0.146 | 98.97  | 14.47 | 1.007 | 0.99964 |
| 5905              | 3                    | 2.31                        | 3                     | 139                           | 1,953                                  | 0.002 | 46.33  | 0.07  | 1.500 | 0.99999 |
| 6022              | 1                    | 1.00                        | 1                     | 60                            | 575                                    | 0.002 | 60.00  | 0.10  | 1.000 | 0.99999 |
| 6141              | 1                    | 0.92                        | 13                    | 726                           | 658                                    | 0.020 | 55.85  | 1.10  | 1.000 | 0.99997 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 213                  | 404.98                      | 14,783                | 1,437,770                     | 177,119                                | 0.083 | 97.26  | 8.12  | 1.169 | 0.99980 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
3/1/2023 to 3/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1082              | 6                    | 14.86                       | 61                    | 6,501                         | 1,419                                  | 0.043 | 106.57 | 4.58  | 1.034 | 0.99990 |
| 1092              | 1                    | 0.58                        | 14                    | 494                           | 1,050                                  | 0.013 | 35.29  | 0.47  | 1.000 | 0.99999 |
| 1094              | 2                    | 8.10                        | 68                    | 8,232                         | 1,279                                  | 0.053 | 121.06 | 6.44  | 1.015 | 0.99986 |
| 1101              | 2                    | 0.30                        | 823                   | 7,705                         | 812                                    | 1.014 | 9.36   | 9.49  | 1.744 | 0.99979 |
| 1102              | 9                    | 26.28                       | 197                   | 31,032                        | 1,127                                  | 0.175 | 157.52 | 27.54 | 1.026 | 0.99938 |
| 1103              | 2                    | 23.06                       | 35                    | 4,041                         | 1,017                                  | 0.034 | 115.46 | 3.97  | 1.029 | 0.99991 |
| 1211              | 2                    | 3.31                        | 2                     | 199                           | 1,517                                  | 0.001 | 99.50  | 0.13  | 1.000 | 0.99999 |
| 1232              | 1                    | 4.93                        | 1                     | 296                           | 1,235                                  | 0.001 | 296.00 | 0.24  | 1.000 | 0.99999 |
| 1241              | 2                    | 3.41                        | 23                    | 2,403                         | 896                                    | 0.026 | 104.48 | 2.68  | 1.000 | 0.99994 |
| 1243              | 2                    | 2.23                        | 30                    | 2,332                         | 1,259                                  | 0.024 | 77.73  | 1.85  | 1.000 | 0.99996 |
| 1285              | 2                    | 5.02                        | 6                     | 1,278                         | 1,135                                  | 0.005 | 213.00 | 1.13  | 1.000 | 0.99997 |
| 1312              | 2                    | 2.48                        | 11                    | 936                           | 994                                    | 0.011 | 85.09  | 0.94  | 1.100 | 0.99998 |
| 1454              | 2                    | 9.17                        | 38                    | 18,000                        | 967                                    | 0.039 | 473.68 | 18.61 | 1.027 | 0.99958 |
| 1841              | 2                    | 8.77                        | 92                    | 18,904                        | 653                                    | 0.141 | 205.48 | 28.95 | 1.000 | 0.99935 |
| 1842              | 2                    | 1.37                        | 2                     | 82                            | 307                                    | 0.007 | 41.00  | 0.27  | 1.000 | 0.99999 |
| 1843              | 2                    | 2.59                        | 70                    | 7,159                         | 1,146                                  | 0.061 | 102.27 | 6.25  | 1.014 | 0.99986 |
| 2172              | 3                    | 4.95                        | 59                    | 10,922                        | 253                                    | 0.233 | 185.12 | 43.17 | 1.035 | 0.99903 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 2212              | 2                    | 3.03                        | 11                    | 689                           | 1,394                                  | 0.008 | 62.64  | 0.49   | 1.100 | 0.99999 |
| 2491              | 1                    | 1.70                        | 1                     | 102                           | 66                                     | 0.015 | 102.00 | 1.55   | 1.000 | 0.99997 |
| 2511              | 3                    | 7.82                        | 668                   | 39,755                        | 631                                    | 1.059 | 59.51  | 63.00  | 1.059 | 0.99859 |
| 2951              | 8                    | 5.81                        | 42                    | 8,581                         | 1,275                                  | 0.033 | 204.31 | 6.73   | 1.400 | 0.99985 |
| 2961              | 3                    | 3.79                        | 76                    | 8,339                         | 660                                    | 0.115 | 109.72 | 12.63  | 1.013 | 0.99972 |
| 3121              | 2                    | 1.69                        | 14                    | 764                           | 1,164                                  | 0.012 | 54.57  | 0.66   | 1.000 | 0.99999 |
| 3122              | 1                    | 1.33                        | 15                    | 1,210                         | 898                                    | 0.017 | 80.67  | 1.35   | 1.000 | 0.99997 |
| 3232              | 3                    | 3.16                        | 45                    | 2,553                         | 452                                    | 0.100 | 56.73  | 5.65   | 1.047 | 0.99987 |
| 3301              | 1                    | 12.90                       | 1                     | 774                           | 769                                    | 0.001 | 774.00 | 1.01   | 1.000 | 0.99998 |
| 3303              | 5                    | 50.69                       | 1475                  | 319,056                       | 1,475                                  | 1.000 | 216.31 | 216.31 | 1.000 | 0.99515 |
| 3304              | 1                    | 3.83                        | 27                    | 6,229                         | 1,186                                  | 0.023 | 230.70 | 5.25   | 1.000 | 0.99988 |
| 3315              | 1                    | 0.65                        | 1                     | 39                            | 1,620                                  | 0.001 | 39.00  | 0.02   | 1.000 | 0.99999 |
| 3471              | 1                    | 1.37                        | 1                     | 82                            | 502                                    | 0.002 | 82.00  | 0.16   | 1.000 | 0.99999 |
| 3551              | 1                    | 1.08                        | 1                     | 65                            | 1,049                                  | 0.001 | 65.00  | 0.06   | 1.000 | 0.99999 |
| 3552              | 2                    | 1.82                        | 21                    | 1,279                         | 590                                    | 0.036 | 60.90  | 2.17   | 1.050 | 0.99995 |
| 3553              | 4                    | 4.73                        | 42                    | 2,882                         | 887                                    | 0.047 | 68.62  | 3.25   | 1.909 | 0.99993 |
| 3591              | 1                    | 0.88                        | 17                    | 907                           | 1,587                                  | 0.011 | 53.35  | 0.57   | 1.000 | 0.99999 |
| 3592              | 1                    | 0.98                        | 4                     | 238                           | 1,824                                  | 0.002 | 59.50  | 0.13   | 1.000 | 0.99999 |
| 3662              | 3                    | 4.36                        | 33                    | 1,691                         | 902                                    | 0.037 | 51.24  | 1.87   | 1.031 | 0.99996 |
| 3663              | 3                    | 13.42                       | 5                     | 1,900                         | 321                                    | 0.016 | 380.00 | 5.92   | 1.667 | 0.99987 |
| 3664              | 1                    | 0.53                        | 1                     | 32                            | 588                                    | 0.002 | 32.00  | 0.05   | 1.000 | 0.99999 |
| 3671              | 1                    | 1.15                        | 3                     | 208                           | 670                                    | 0.004 | 69.33  | 0.31   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3675              | 1                    | 1.95                        | 3                     | 352                           | 549                                    | 0.005 | 117.33 | 0.64   | 1.000 | 0.99999 |
| 3693              | 1                    | 0.95                        | 183                   | 10,571                        | 183                                    | 1.000 | 57.77  | 57.77  | 1.000 | 0.99871 |
| 3694              | 1                    | 0.98                        | 532                   | 31,388                        | 533                                    | 0.998 | 59.00  | 58.89  | 1.000 | 0.99868 |
| 3751              | 2                    | 1.56                        | 2                     | 94                            | 940                                    | 0.002 | 47.00  | 0.10   | 1.000 | 0.99999 |
| 3871              | 1                    | 1.35                        | 1                     | 81                            | 1,100                                  | 0.001 | 81.00  | 0.07   | 1.000 | 0.99999 |
| 3872              | 1                    | 1.72                        | 19                    | 1,973                         | 1,214                                  | 0.016 | 103.84 | 1.63   | 1.000 | 0.99996 |
| 3873              | 1                    | 1.33                        | 1                     | 80                            | 821                                    | 0.001 | 80.00  | 0.10   | 1.000 | 0.99999 |
| 3891              | 4                    | 9.97                        | 37                    | 3,805                         | 466                                    | 0.079 | 102.84 | 8.17   | 1.028 | 0.99982 |
| 3893              | 1                    | 2.02                        | 1                     | 121                           | 1,205                                  | 0.001 | 121.00 | 0.10   | 1.000 | 0.99999 |
| 3901              | 4                    | 12.81                       | 1,055                 | 88,731                        | 887                                    | 1.189 | 84.11  | 100.03 | 1.191 | 0.99776 |
| 3903              | 2                    | 2.19                        | 9                     | 754                           | 319                                    | 0.028 | 83.78  | 2.36   | 1.000 | 0.99995 |
| 3912              | 1                    | 1.22                        | 1                     | 73                            | 1,429                                  | 0.001 | 73.00  | 0.05   | 1.000 | 0.99999 |
| 3913              | 2                    | 2.20                        | 126                   | 8,892                         | 831                                    | 0.152 | 70.57  | 10.70  | 1.286 | 0.99976 |
| 3914              | 1                    | 1.47                        | 60                    | 5,297                         | 400                                    | 0.150 | 88.28  | 13.24  | 1.000 | 0.99970 |
| 3952              | 10                   | 59.46                       | 406                   | 145,463                       | 917                                    | 0.443 | 358.28 | 158.63 | 1.773 | 0.99645 |
| 3953              | 1                    | 1.43                        | 1                     | 86                            | 545                                    | 0.002 | 86.00  | 0.16   | 1.000 | 0.99999 |
| 3981              | 6                    | 29.46                       | 262                   | 52,083                        | 1,587                                  | 0.165 | 198.79 | 32.82  | 1.337 | 0.99926 |
| 3982              | 2                    | 4.81                        | 60                    | 7,848                         | 1,836                                  | 0.033 | 130.80 | 4.27   | 1.000 | 0.99990 |
| 3991              | 2                    | 4.13                        | 2                     | 248                           | 769                                    | 0.003 | 124.00 | 0.32   | 1.000 | 0.99999 |
| 4091              | 4                    | 22.30                       | 4                     | 1,338                         | 1,216                                  | 0.003 | 334.50 | 1.10   | 1.333 | 0.99998 |
| 4133              | 11                   | 18.89                       | 225                   | 26,555                        | 285                                    | 0.789 | 118.02 | 93.18  | 1.047 | 0.99791 |
| 4134              | 2                    | 2.38                        | 48                    | 3,450                         | 1,288                                  | 0.037 | 71.88  | 2.68   | 2.000 | 0.99994 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4137              | 1                    | 0.77                        | 35                    | 1,616                         | 822                                    | 0.043 | 46.17  | 1.97  | 1.000 | 0.99996 |
| 4153              | 1                    | 8.83                        | 1                     | 530                           | 1,209                                  | 0.001 | 530.00 | 0.44  | 1.000 | 0.99999 |
| 4155              | 4                    | 12.35                       | 98                    | 24,507                        | 1,739                                  | 0.056 | 250.07 | 14.09 | 1.010 | 0.99968 |
| 4173              | 1                    | 1.00                        | 14                    | 847                           | 694                                    | 0.020 | 60.50  | 1.22  | 1.000 | 0.99997 |
| 4182              | 2                    | 6.76                        | 12                    | 3,358                         | 780                                    | 0.015 | 279.83 | 4.31  | 1.000 | 0.99990 |
| 4212              | 3                    | 13.86                       | 392                   | 42,702                        | 1,101                                  | 0.356 | 108.93 | 38.78 | 1.034 | 0.99913 |
| 4223              | 4                    | 3.91                        | 1,146                 | 104,442                       | 1,143                                  | 1.003 | 91.14  | 91.38 | 1.003 | 0.99795 |
| 4302              | 1                    | 0.93                        | 1                     | 56                            | 673                                    | 0.001 | 56.00  | 0.08  | 1.000 | 0.99999 |
| 4303              | 2                    | 8.88                        | 17                    | 5,243                         | 1,395                                  | 0.012 | 308.41 | 3.76  | 1.000 | 0.99992 |
| 4331              | 1                    | 0.82                        | 2                     | 98                            | 340                                    | 0.006 | 49.00  | 0.29  | 1.000 | 0.99999 |
| 4341              | 1                    | 2.35                        | 1                     | 141                           | 1,861                                  | 0.001 | 141.00 | 0.08  | 1.000 | 0.99999 |
| 4342              | 2                    | 10.45                       | 2                     | 627                           | 800                                    | 0.003 | 313.50 | 0.78  | 2.000 | 0.99998 |
| 4344              | 17                   | 43.06                       | 66                    | 12,534                        | 370                                    | 0.178 | 189.91 | 33.88 | 1.089 | 0.99924 |
| 4364              | 4                    | 32.76                       | 149                   | 45,817                        | 868                                    | 0.172 | 307.50 | 52.78 | 1.000 | 0.99882 |
| 4371              | 4                    | 11.55                       | 14                    | 2,699                         | 1,575                                  | 0.009 | 192.79 | 1.71  | 1.273 | 0.99996 |
| 4373              | 3                    | 7.32                        | 3                     | 439                           | 794                                    | 0.004 | 146.33 | 0.55  | 1.000 | 0.99999 |
| 4386              | 1                    | 1.17                        | 1                     | 70                            | 1,659                                  | 0.001 | 70.00  | 0.04  | 1.000 | 0.99999 |
| 4431              | 7                    | 20.37                       | 54                    | 4,584                         | 1,449                                  | 0.037 | 84.89  | 3.16  | 1.102 | 0.99993 |
| 4511              | 1                    | 1.12                        | 10                    | 672                           | 1,148                                  | 0.009 | 67.20  | 0.59  | 1.000 | 0.99999 |
| 4692              | 2                    | 1.60                        | 32                    | 1,919                         | 506                                    | 0.063 | 59.97  | 3.79  | 1.032 | 0.99992 |
| 4714              | 1                    | 0.90                        | 1                     | 54                            | 360                                    | 0.003 | 54.00  | 0.15  | 1.000 | 0.99999 |
| 4794              | 2                    | 1.38                        | 31                    | 1,291                         | 399                                    | 0.078 | 41.65  | 3.24  | 1.000 | 0.99993 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4901              | 1                    | 2.18                        | 1                     | 131                           | 20                                     | 0.050 | 131.00 | 6.55   | 1.000 | 0.99985 |
| 4902              | 4                    | 6.78                        | 1,243                 | 109,183                       | 1,224                                  | 1.016 | 87.84  | 89.20  | 1.016 | 0.99800 |
| 4903              | 3                    | 2.32                        | 3                     | 139                           | 168                                    | 0.018 | 46.33  | 0.83   | 1.000 | 0.99998 |
| 5603              | 1                    | 5.82                        | 22                    | 7,696                         | 1,527                                  | 0.014 | 349.82 | 5.04   | 1.000 | 0.99989 |
| 5641              | 1                    | 0.53                        | 1                     | 32                            | 349                                    | 0.003 | 32.00  | 0.09   | 1.000 | 0.99999 |
| 5905              | 6                    | 2.35                        | 2,064                 | 37,645                        | 1,960                                  | 1.053 | 18.24  | 19.21  | 1.053 | 0.99957 |
| 6141              | 1                    | 3.17                        | 658                   | 125,294                       | 658                                    | 1.000 | 190.42 | 190.42 | 1.000 | 0.99573 |
| 6142              | 1                    | 3.20                        | 340                   | 65,359                        | 340                                    | 1.000 | 192.23 | 192.23 | 1.000 | 0.99569 |
| 6143              | 1                    | 3.18                        | 382                   | 73,095                        | 382                                    | 1.000 | 191.35 | 191.35 | 1.000 | 0.99571 |
| 6144              | 1                    | 3.17                        | 328                   | 62,429                        | 328                                    | 1.000 | 190.33 | 190.33 | 1.000 | 0.99574 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 239                  | 654.75                      | 14,198                | 1,642,423                     | 177,119                                | 0.080 | 115.68 | 9.27   | 1.038 | 0.99979 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
4/1/2023 to 4/30/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 3                    | 4.95                        | 73                    | 8,366                         | 1,777                                  | 0.041 | 114.60 | 4.71  | 1.014 | 0.99989 |
| 1052              | 2                    | 3.53                        | 2                     | 212                           | 1,215                                  | 0.002 | 106.00 | 0.17  | 1.000 | 0.99999 |
| 1082              | 1                    | 1.10                        | 1                     | 66                            | 1,419                                  | 0.001 | 66.00  | 0.05  | 1.000 | 0.99999 |
| 1091              | 2                    | 2.43                        | 39                    | 2,894                         | 815                                    | 0.048 | 74.21  | 3.55  | 1.000 | 0.99992 |
| 1092              | 1                    | 3.42                        | 1                     | 205                           | 1,050                                  | 0.001 | 205.00 | 0.20  | 1.000 | 0.99999 |
| 1094              | 3                    | 1.77                        | 27                    | 809                           | 1,279                                  | 0.021 | 29.96  | 0.63  | 1.038 | 0.99999 |
| 1101              | 1                    | 0.48                        | 3                     | 88                            | 812                                    | 0.004 | 29.33  | 0.11  | 1.000 | 0.99999 |
| 1103              | 2                    | 2.04                        | 35                    | 2,428                         | 1,017                                  | 0.034 | 69.38  | 2.39  | 1.000 | 0.99994 |
| 1211              | 2                    | 2.43                        | 32                    | 2,961                         | 1,517                                  | 0.021 | 92.53  | 1.95  | 1.032 | 0.99995 |
| 1230              | 1                    | 0.73                        | 1                     | 44                            | 1,253                                  | 0.001 | 44.00  | 0.04  | 1.000 | 0.99999 |
| 1241              | 1                    | 0.70                        | 56                    | 2,358                         | 896                                    | 0.063 | 42.11  | 2.63  | 1.000 | 0.99994 |
| 1243              | 1                    | 1.32                        | 1                     | 79                            | 1,259                                  | 0.001 | 79.00  | 0.06  | 1.000 | 0.99999 |
| 1271              | 6                    | 4.20                        | 1,039                 | 50,548                        | 1,006                                  | 1.033 | 48.65  | 50.25 | 1.033 | 0.99884 |
| 1273              | 4                    | 3.32                        | 49                    | 2,902                         | 874                                    | 0.056 | 59.22  | 3.32  | 1.000 | 0.99992 |
| 1282              | 2                    | 3.15                        | 20                    | 2,681                         | 709                                    | 0.028 | 134.05 | 3.78  | 1.053 | 0.99991 |
| 1312              | 1                    | 1.55                        | 1                     | 93                            | 994                                    | 0.001 | 93.00  | 0.09  | 1.000 | 0.99999 |
| 1451              | 4                    | 5.71                        | 24                    | 2,496                         | 586                                    | 0.041 | 104.00 | 4.26  | 1.000 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1453              | 1                    | 1.30                        | 1                     | 78                            | 1,845                                  | 0.001 | 78.00  | 0.04  | 1.000 | 0.99999 |
| 1521              | 1                    | 1.05                        | 1                     | 63                            | 390                                    | 0.003 | 63.00  | 0.16  | 1.000 | 0.99999 |
| 1523              | 6                    | 8.80                        | 74                    | 4,951                         | 773                                    | 0.096 | 66.91  | 6.40  | 1.042 | 0.99985 |
| 1843              | 2                    | 2.37                        | 25                    | 1,817                         | 1,146                                  | 0.022 | 72.68  | 1.59  | 1.000 | 0.99996 |
| 2091              | 4                    | 5.87                        | 4                     | 352                           | 950                                    | 0.004 | 88.00  | 0.37  | 1.333 | 0.99999 |
| 2092              | 1                    | 1.13                        | 1                     | 68                            | 962                                    | 0.001 | 68.00  | 0.07  | 1.000 | 0.99999 |
| 2211              | 1                    | 0.70                        | 1                     | 42                            | 743                                    | 0.001 | 42.00  | 0.06  | 1.000 | 0.99999 |
| 2491              | 2                    | 3.32                        | 67                    | 5,968                         | 66                                     | 1.015 | 89.07  | 90.42 | 1.015 | 0.99791 |
| 2621              | 2                    | 2.02                        | 2                     | 121                           | 1,234                                  | 0.002 | 60.50  | 0.10  | 1.000 | 0.99999 |
| 2841              | 1                    | 0.82                        | 1                     | 49                            | 202                                    | 0.005 | 49.00  | 0.24  | 1.000 | 0.99999 |
| 2921              | 1                    | 1.57                        | 76                    | 7,144                         | 401                                    | 0.190 | 94.00  | 17.82 | 1.000 | 0.99959 |
| 2961              | 2                    | 4.45                        | 25                    | 3,089                         | 660                                    | 0.038 | 123.56 | 4.68  | 1.000 | 0.99989 |
| 2962              | 2                    | 2.15                        | 2                     | 129                           | 264                                    | 0.008 | 64.50  | 0.49  | 1.000 | 0.99999 |
| 3121              | 1                    | 1.22                        | 6                     | 439                           | 1,164                                  | 0.005 | 73.17  | 0.38  | 1.000 | 0.99999 |
| 3122              | 2                    | 1.37                        | 8                     | 330                           | 898                                    | 0.009 | 41.25  | 0.37  | 1.000 | 0.99999 |
| 3221              | 1                    | 0.90                        | 8                     | 436                           | 1,299                                  | 0.006 | 54.50  | 0.34  | 1.000 | 0.99999 |
| 3222              | 5                    | 14.66                       | 11                    | 4,500                         | 804                                    | 0.014 | 409.09 | 5.60  | 1.100 | 0.99987 |
| 3301              | 2                    | 0.90                        | 76                    | 2,040                         | 769                                    | 0.099 | 26.84  | 2.65  | 1.041 | 0.99994 |
| 3302              | 1                    | 1.27                        | 6                     | 459                           | 663                                    | 0.009 | 76.50  | 0.69  | 1.000 | 0.99998 |
| 3311              | 1                    | 0.70                        | 10                    | 420                           | 558                                    | 0.018 | 42.00  | 0.75  | 1.000 | 0.99998 |
| 3313              | 6                    | 8.09                        | 1,008                 | 37,265                        | 1,554                                  | 0.649 | 36.97  | 23.98 | 1.002 | 0.99944 |
| 3315              | 2                    | 2.13                        | 103                   | 7,177                         | 1,620                                  | 0.064 | 69.68  | 4.43  | 1.084 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3471              | 3                    | 10.79                       | 502                   | 115,679                       | 502                                    | 1.000 | 230.44 | 230.44 | 2.083 | 0.99467 |
| 3472              | 8                    | 4.66                        | 353                   | 8,021                         | 1,347                                  | 0.262 | 22.72  | 5.95   | 1.086 | 0.99986 |
| 3552              | 3                    | 6.01                        | 8                     | 740                           | 590                                    | 0.014 | 92.50  | 1.25   | 1.143 | 0.99997 |
| 3553              | 2                    | 1.48                        | 2                     | 89                            | 887                                    | 0.002 | 44.50  | 0.10   | 1.000 | 0.99999 |
| 3591              | 1                    | 2.25                        | 1                     | 135                           | 1,587                                  | 0.001 | 135.00 | 0.09   | 1.000 | 0.99999 |
| 3592              | 3                    | 4.54                        | 57                    | 6,709                         | 1,824                                  | 0.031 | 117.70 | 3.68   | 1.018 | 0.99991 |
| 3661              | 3                    | 1.90                        | 31                    | 1,084                         | 1,120                                  | 0.028 | 34.97  | 0.97   | 1.000 | 0.99998 |
| 3692              | 1                    | 0.78                        | 1                     | 47                            | 418                                    | 0.002 | 47.00  | 0.11   | 1.000 | 0.99999 |
| 3693              | 1                    | 0.70                        | 1                     | 42                            | 183                                    | 0.005 | 42.00  | 0.23   | 1.000 | 0.99999 |
| 3701              | 4                    | 3.63                        | 4                     | 218                           | 549                                    | 0.007 | 54.50  | 0.40   | 1.000 | 0.99999 |
| 3751              | 3                    | 3.70                        | 3                     | 222                           | 940                                    | 0.003 | 74.00  | 0.24   | 1.000 | 0.99999 |
| 3872              | 1                    | 0.77                        | 2                     | 92                            | 1,214                                  | 0.002 | 46.00  | 0.08   | 1.000 | 0.99999 |
| 3878              | 1                    | 0.90                        | 78                    | 4,244                         | 856                                    | 0.091 | 54.41  | 4.96   | 1.000 | 0.99989 |
| 3893              | 3                    | 2.59                        | 661                   | 62,633                        | 1,205                                  | 0.549 | 94.75  | 51.98  | 1.003 | 0.99880 |
| 3901              | 1                    | 0.53                        | 50                    | 1,627                         | 887                                    | 0.056 | 32.54  | 1.83   | 1.000 | 0.99996 |
| 3912              | 2                    | 1.75                        | 2                     | 105                           | 1,429                                  | 0.001 | 52.50  | 0.07   | 1.000 | 0.99999 |
| 3913              | 2                    | 1.63                        | 41                    | 2,190                         | 831                                    | 0.049 | 53.41  | 2.64   | 1.000 | 0.99994 |
| 3951              | 3                    | 4.76                        | 20                    | 1,454                         | 967                                    | 0.021 | 72.70  | 1.50   | 1.053 | 0.99997 |
| 3952              | 2                    | 3.67                        | 2                     | 220                           | 917                                    | 0.002 | 110.00 | 0.24   | 1.000 | 0.99999 |
| 3953              | 4                    | 4.22                        | 27                    | 1,246                         | 545                                    | 0.050 | 46.15  | 2.29   | 1.000 | 0.99995 |
| 3981              | 2                    | 0.96                        | 13                    | 379                           | 1,587                                  | 0.008 | 29.15  | 0.24   | 1.000 | 0.99999 |
| 3982              | 4                    | 6.45                        | 105                   | 11,787                        | 1,836                                  | 0.057 | 112.26 | 6.42   | 1.010 | 0.99985 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3991              | 2                    | 1.72                        | 21                    | 1,007                         | 769                                    | 0.027 | 47.95  | 1.31  | 1.000 | 0.99997 |
| 4031              | 1                    | 0.62                        | 1                     | 37                            | 724                                    | 0.001 | 37.00  | 0.05  | 1.000 | 0.99999 |
| 4091              | 1                    | 1.13                        | 1                     | 68                            | 1,216                                  | 0.001 | 68.00  | 0.06  | 1.000 | 0.99999 |
| 4101              | 3                    | 4.40                        | 18                    | 1,746                         | 991                                    | 0.018 | 97.00  | 1.76  | 1.000 | 0.99996 |
| 4102              | 2                    | 3.33                        | 328                   | 44,460                        | 561                                    | 0.585 | 135.55 | 79.25 | 1.003 | 0.99817 |
| 4133              | 2                    | 3.13                        | 4                     | 344                           | 285                                    | 0.014 | 86.00  | 1.21  | 1.000 | 0.99997 |
| 4134              | 2                    | 2.55                        | 90                    | 7,259                         | 1,288                                  | 0.070 | 80.66  | 5.64  | 1.034 | 0.99987 |
| 4137              | 1                    | 2.80                        | 1                     | 168                           | 822                                    | 0.001 | 168.00 | 0.20  | 1.000 | 0.99999 |
| 4138              | 1                    | 2.58                        | 15                    | 2,330                         | 756                                    | 0.020 | 155.33 | 3.08  | 1.000 | 0.99993 |
| 4154              | 1                    | 1.18                        | 1                     | 71                            | 1,408                                  | 0.001 | 71.00  | 0.05  | 1.000 | 0.99999 |
| 4171              | 1                    | 1.18                        | 81                    | 5,780                         | 1,211                                  | 0.067 | 71.36  | 4.77  | 1.000 | 0.99989 |
| 4172              | 4                    | 9.46                        | 208                   | 12,188                        | 1,908                                  | 0.109 | 58.60  | 6.39  | 1.000 | 0.99985 |
| 4181              | 2                    | 4.11                        | 20                    | 1,963                         | 798                                    | 0.025 | 98.15  | 2.46  | 1.000 | 0.99994 |
| 4182              | 2                    | 2.98                        | 2                     | 179                           | 780                                    | 0.003 | 89.50  | 0.23  | 1.000 | 0.99999 |
| 4211              | 2                    | 2.18                        | 5                     | 386                           | 806                                    | 0.006 | 77.20  | 0.48  | 1.000 | 0.99999 |
| 4212              | 2                    | 2.13                        | 2                     | 128                           | 1,101                                  | 0.002 | 64.00  | 0.12  | 1.000 | 0.99999 |
| 4222              | 1                    | 1.15                        | 6                     | 414                           | 1,087                                  | 0.006 | 69.00  | 0.38  | 1.000 | 0.99999 |
| 4224              | 1                    | 3.27                        | 10                    | 1,965                         | 786                                    | 0.013 | 196.50 | 2.50  | 1.000 | 0.99994 |
| 4303              | 2                    | 16.42                       | 7                     | 3,657                         | 1,395                                  | 0.005 | 522.43 | 2.62  | 1.750 | 0.99994 |
| 4313              | 1                    | 1.43                        | 13                    | 1,119                         | 560                                    | 0.023 | 86.08  | 2.00  | 1.000 | 0.99995 |
| 4331              | 1                    | 0.92                        | 1                     | 55                            | 340                                    | 0.003 | 55.00  | 0.16  | 1.000 | 0.99999 |
| 4334              | 1                    | 5.65                        | 1                     | 339                           | 305                                    | 0.003 | 339.00 | 1.11  | 1.000 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4341              | 1                    | 1.37                        | 1                     | 82                            | 1,861                                  | 0.001 | 82.00  | 0.04  | 1.000 | 0.99999 |
| 4343              | 1                    | 1.05                        | 1                     | 63                            | 1,700                                  | 0.001 | 63.00  | 0.04  | 1.000 | 0.99999 |
| 4344              | 2                    | 2.70                        | 42                    | 1,904                         | 370                                    | 0.114 | 45.33  | 5.15  | 1.000 | 0.99988 |
| 4361              | 1                    | 1.12                        | 1                     | 67                            | 1,702                                  | 0.001 | 67.00  | 0.04  | 1.000 | 0.99999 |
| 4364              | 3                    | 1.55                        | 60                    | 1,894                         | 868                                    | 0.069 | 31.57  | 2.18  | 1.000 | 0.99995 |
| 4371              | 1                    | 1.03                        | 1                     | 62                            | 1,575                                  | 0.001 | 62.00  | 0.04  | 1.000 | 0.99999 |
| 4385              | 1                    | 2.52                        | 117                   | 17,700                        | 1,160                                  | 0.101 | 151.28 | 15.26 | 1.000 | 0.99965 |
| 4431              | 2                    | 5.68                        | 20                    | 2,120                         | 1,449                                  | 0.014 | 106.00 | 1.46  | 1.000 | 0.99997 |
| 4432              | 2                    | 1.80                        | 3                     | 181                           | 488                                    | 0.006 | 60.33  | 0.37  | 1.000 | 0.99999 |
| 4511              | 2                    | 5.64                        | 2                     | 338                           | 1,148                                  | 0.002 | 169.00 | 0.29  | 1.000 | 0.99999 |
| 4601              | 1                    | 1.37                        | 1                     | 82                            | 408                                    | 0.002 | 82.00  | 0.20  | 1.000 | 0.99999 |
| 4602              | 1                    | 1.35                        | 1                     | 81                            | 988                                    | 0.001 | 81.00  | 0.08  | 1.000 | 0.99999 |
| 4692              | 1                    | 1.07                        | 12                    | 774                           | 506                                    | 0.024 | 64.50  | 1.53  | 1.000 | 0.99996 |
| 4712              | 1                    | 2.92                        | 11                    | 1,929                         | 135                                    | 0.081 | 175.36 | 14.29 | 1.000 | 0.99967 |
| 4714              | 1                    | 0.50                        | 4                     | 123                           | 360                                    | 0.011 | 30.75  | 0.34  | 1.000 | 0.99999 |
| 4783              | 1                    | 0.48                        | 21                    | 628                           | 258                                    | 0.081 | 29.90  | 2.43  | 1.000 | 0.99994 |
| 4791              | 3                    | 1.96                        | 34                    | 1,193                         | 634                                    | 0.054 | 35.09  | 1.88  | 1.133 | 0.99996 |
| 4793              | 1                    | 0.78                        | 8                     | 378                           | 797                                    | 0.010 | 47.25  | 0.47  | 1.000 | 0.99999 |
| 4794              | 1                    | 1.15                        | 24                    | 1,662                         | 399                                    | 0.060 | 69.25  | 4.17  | 1.000 | 0.99990 |
| 4903              | 1                    | 0.78                        | 1                     | 47                            | 168                                    | 0.006 | 47.00  | 0.28  | 1.000 | 0.99999 |
| 4906              | 2                    | 1.40                        | 34                    | 1,354                         | 1,318                                  | 0.026 | 39.82  | 1.03  | 1.030 | 0.99998 |
| 5601              | 7                    | 4.53                        | 51                    | 1,307                         | 1,311                                  | 0.039 | 25.63  | 1.00  | 1.020 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|-------|-------|-------|---------|
| 5602              | 2                    | 2.00                        | 4                     | 238                           | 720                                    | 0.006 | 59.50 | 0.33  | 1.000 | 0.99999 |
| 5603              | 2                    | 1.67                        | 2                     | 100                           | 1,527                                  | 0.001 | 50.00 | 0.07  | 1.000 | 0.99999 |
| 5901              | 1                    | 0.63                        | 99                    | 3,803                         | 902                                    | 0.110 | 38.41 | 4.22  | 1.000 | 0.99990 |
| 5902              | 3                    | 2.28                        | 14                    | 623                           | 978                                    | 0.014 | 44.50 | 0.64  | 1.000 | 0.99999 |
| 5904              | 2                    | 2.78                        | 227                   | 12,434                        | 1,307                                  | 0.174 | 54.78 | 9.51  | 1.000 | 0.99978 |
| 6024              | 1                    | 0.90                        | 173                   | 9,486                         | 398                                    | 0.435 | 54.83 | 23.83 | 1.000 | 0.99945 |
| 6143              | 1                    | 0.83                        | 1                     | 50                            | 382                                    | 0.003 | 50.00 | 0.13  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI | SAIDI | CAIFI | ASAI    |
| Total:            | 226                  | 304.81                      | 6,690                 | 521,497                       | 177,119                                | 0.038 | 77.95 | 2.94  | 1.059 | 0.99993 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
5/1/2023 to 5/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1082              | 13                   | 44.55                       | 1,515                 | 104,882                       | 1,419                                  | 1.068 | 69.23  | 73.91 | 1.132 | 0.99834 |
| 1091              | 2                    | 2.51                        | 14                    | 1,399                         | 815                                    | 0.017 | 99.93  | 1.72  | 1.077 | 0.99996 |
| 1092              | 5                    | 24.08                       | 38                    | 7,707                         | 1,050                                  | 0.036 | 202.82 | 7.34  | 1.027 | 0.99984 |
| 1094              | 4                    | 5.27                        | 28                    | 1,496                         | 1,279                                  | 0.022 | 53.43  | 1.17  | 1.120 | 0.99997 |
| 1101              | 2                    | 6.85                        | 37                    | 3,013                         | 812                                    | 0.046 | 81.43  | 3.71  | 1.000 | 0.99992 |
| 1102              | 2                    | 1.34                        | 4                     | 126                           | 1,127                                  | 0.004 | 31.50  | 0.11  | 1.000 | 0.99999 |
| 1103              | 2                    | 1.57                        | 39                    | 1,760                         | 1,017                                  | 0.038 | 45.13  | 1.73  | 1.000 | 0.99996 |
| 1141              | 2                    | 2.62                        | 2                     | 157                           | 915                                    | 0.002 | 78.50  | 0.17  | 1.000 | 0.99999 |
| 1213              | 2                    | 1.44                        | 7                     | 349                           | 583                                    | 0.012 | 49.86  | 0.60  | 1.000 | 0.99999 |
| 1230              | 2                    | 2.40                        | 2                     | 144                           | 1,253                                  | 0.002 | 72.00  | 0.11  | 1.000 | 0.99999 |
| 1232              | 6                    | 15.58                       | 198                   | 25,304                        | 1,235                                  | 0.160 | 127.80 | 20.49 | 1.015 | 0.99954 |
| 1241              | 3                    | 13.74                       | 62                    | 12,575                        | 896                                    | 0.069 | 202.82 | 14.03 | 1.016 | 0.99969 |
| 1242              | 2                    | 2.51                        | 2                     | 151                           | 862                                    | 0.002 | 75.50  | 0.18  | 1.000 | 0.99999 |
| 1243              | 3                    | 2.67                        | 27                    | 1,620                         | 1,259                                  | 0.021 | 60.00  | 1.29  | 1.000 | 0.99997 |
| 1271              | 10                   | 8.41                        | 14                    | 737                           | 1,006                                  | 0.014 | 52.64  | 0.73  | 1.000 | 0.99998 |
| 1272              | 1                    | 2.93                        | 1                     | 176                           | 14                                     | 0.071 | 176.00 | 12.57 | 1.000 | 0.99972 |
| 1273              | 1                    | 0.62                        | 9                     | 335                           | 874                                    | 0.010 | 37.22  | 0.38  | 1.000 | 0.99999 |
| 1282              | 2                    | 0.97                        | 27                    | 780                           | 709                                    | 0.038 | 28.89  | 1.10  | 1.000 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1452              | 3                    | 2.38                        | 66                    | 3,545                         | 472                                    | 0.140 | 53.71  | 7.51  | 1.031 | 0.99983 |
| 1453              | 1                    | 0.37                        | 54                    | 1,178                         | 1,845                                  | 0.029 | 21.81  | 0.64  | 1.000 | 0.99999 |
| 1454              | 1                    | 1.12                        | 1                     | 67                            | 967                                    | 0.001 | 67.00  | 0.07  | 1.000 | 0.99999 |
| 1521              | 2                    | 1.72                        | 2                     | 103                           | 390                                    | 0.005 | 51.50  | 0.26  | 1.000 | 0.99999 |
| 1522              | 1                    | 1.90                        | 1                     | 114                           | 107                                    | 0.009 | 114.00 | 1.07  | 1.000 | 0.99998 |
| 1523              | 2                    | 3.45                        | 2                     | 207                           | 773                                    | 0.003 | 103.50 | 0.27  | 1.000 | 0.99999 |
| 1842              | 2                    | 1.18                        | 308                   | 9,996                         | 307                                    | 1.003 | 32.45  | 32.56 | 1.003 | 0.99927 |
| 2091              | 1                    | 3.08                        | 1                     | 185                           | 950                                    | 0.001 | 185.00 | 0.19  | 1.000 | 0.99999 |
| 2092              | 3                    | 4.30                        | 33                    | 2,026                         | 962                                    | 0.034 | 61.39  | 2.11  | 1.000 | 0.99995 |
| 2171              | 1                    | 1.43                        | 1                     | 86                            | 597                                    | 0.002 | 86.00  | 0.14  | 1.000 | 0.99999 |
| 2211              | 2                    | 1.45                        | 75                    | 3,276                         | 743                                    | 0.101 | 43.68  | 4.41  | 1.000 | 0.99990 |
| 2212              | 1                    | 0.65                        | 1                     | 39                            | 1,394                                  | 0.001 | 39.00  | 0.03  | 1.000 | 0.99999 |
| 2492              | 2                    | 6.79                        | 2                     | 407                           | 30                                     | 0.067 | 203.50 | 13.57 | 1.000 | 0.99970 |
| 2501              | 1                    | 1.27                        | 79                    | 6,038                         | 84                                     | 0.940 | 76.43  | 71.88 | 1.000 | 0.99839 |
| 2511              | 4                    | 7.38                        | 10                    | 1,075                         | 631                                    | 0.016 | 107.50 | 1.70  | 1.000 | 0.99996 |
| 2621              | 3                    | 7.55                        | 3                     | 453                           | 1,234                                  | 0.002 | 151.00 | 0.37  | 1.000 | 0.99999 |
| 2622              | 2                    | 7.17                        | 2                     | 430                           | 122                                    | 0.016 | 215.00 | 3.52  | 1.000 | 0.99992 |
| 2921              | 1                    | 1.18                        | 1                     | 71                            | 401                                    | 0.002 | 71.00  | 0.18  | 1.000 | 0.99999 |
| 2951              | 3                    | 4.49                        | 35                    | 3,188                         | 1,275                                  | 0.027 | 91.09  | 2.50  | 1.000 | 0.99994 |
| 2961              | 1                    | 0.93                        | 18                    | 1,017                         | 660                                    | 0.027 | 56.50  | 1.54  | 1.000 | 0.99997 |
| 3041              | 1                    | 1.47                        | 84                    | 7,434                         | 88                                     | 0.955 | 88.50  | 84.48 | 1.000 | 0.99811 |
| 3121              | 3                    | 4.30                        | 31                    | 1,828                         | 1,164                                  | 0.027 | 58.97  | 1.57  | 1.000 | 0.99996 |
| 3122              | 3                    | 3.94                        | 25                    | 2,784                         | 898                                    | 0.028 | 111.36 | 3.10  | 1.042 | 0.99993 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3181              | 3                    | 3.54                        | 138                   | 10,116                        | 771                                    | 0.179 | 73.30  | 13.12  | 1.113 | 0.99971 |
| 3221              | 1                    | 0.75                        | 1,299                 | 59,061                        | 1,299                                  | 1.000 | 45.47  | 45.47  | 1.000 | 0.99898 |
| 3222              | 1                    | 1.05                        | 7                     | 441                           | 804                                    | 0.009 | 63.00  | 0.55   | 1.000 | 0.99999 |
| 3232              | 2                    | 9.55                        | 18                    | 5,161                         | 452                                    | 0.040 | 286.72 | 11.42  | 1.125 | 0.99974 |
| 3302              | 1                    | 0.90                        | 47                    | 2,558                         | 663                                    | 0.071 | 54.43  | 3.86   | 1.000 | 0.99991 |
| 3304              | 3                    | 3.59                        | 51                    | 3,155                         | 1,186                                  | 0.043 | 61.86  | 2.66   | 1.020 | 0.99994 |
| 3311              | 5                    | 3.56                        | 610                   | 10,643                        | 558                                    | 1.093 | 17.45  | 19.07  | 2.933 | 0.99957 |
| 3314              | 3                    | 0.28                        | 231                   | 1,306                         | 229                                    | 1.009 | 5.65   | 5.70   | 2.139 | 0.99987 |
| 3315              | 2                    | 8.49                        | 1,641                 | 766,067                       | 1,620                                  | 1.013 | 466.83 | 472.88 | 1.013 | 0.98941 |
| 3422              | 2                    | 1.45                        | 2                     | 175                           | 1,011                                  | 0.002 | 87.50  | 0.17   | 1.000 | 0.99999 |
| 3423              | 3                    | 4.85                        | 20                    | 2,210                         | 407                                    | 0.049 | 110.50 | 5.43   | 1.000 | 0.99988 |
| 3471              | 2                    | 4.04                        | 10                    | 1,321                         | 502                                    | 0.020 | 132.10 | 2.63   | 1.000 | 0.99994 |
| 3472              | 3                    | 2.50                        | 85                    | 4,353                         | 1,347                                  | 0.063 | 51.21  | 3.23   | 1.012 | 0.99993 |
| 3551              | 1                    | 2.77                        | 1                     | 166                           | 1,049                                  | 0.001 | 166.00 | 0.16   | 1.000 | 0.99999 |
| 3552              | 2                    | 1.96                        | 21                    | 1,596                         | 590                                    | 0.036 | 76.00  | 2.71   | 1.050 | 0.99994 |
| 3591              | 2                    | 3.75                        | 28                    | 4,010                         | 1,587                                  | 0.018 | 143.21 | 2.53   | 1.000 | 0.99994 |
| 3592              | 1                    | 1.77                        | 82                    | 8,709                         | 1,824                                  | 0.045 | 106.21 | 4.77   | 1.000 | 0.99989 |
| 3593              | 2                    | 4.15                        | 71                    | 9,262                         | 950                                    | 0.075 | 130.45 | 9.75   | 1.000 | 0.99978 |
| 3594              | 2                    | 7.05                        | 12                    | 3,136                         | 796                                    | 0.015 | 261.33 | 3.94   | 1.091 | 0.99991 |
| 3621              | 4                    | 11.95                       | 27                    | 9,132                         | 1,626                                  | 0.017 | 338.22 | 5.62   | 1.125 | 0.99987 |
| 3661              | 6                    | 4.82                        | 61                    | 2,410                         | 1,120                                  | 0.054 | 39.51  | 2.15   | 1.326 | 0.99995 |
| 3662              | 1                    | 0.73                        | 24                    | 1,056                         | 902                                    | 0.027 | 44.00  | 1.17   | 1.000 | 0.99997 |
| 3663              | 3                    | 2.05                        | 3                     | 123                           | 321                                    | 0.009 | 41.00  | 0.38   | 1.500 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3664              | 3                    | 5.65                        | 121                   | 12,959                        | 588                                    | 0.206 | 107.10 | 22.04 | 1.008 | 0.99951 |
| 3671              | 1                    | 1.67                        | 38                    | 3,817                         | 670                                    | 0.057 | 100.45 | 5.70  | 1.000 | 0.99987 |
| 3675              | 1                    | 1.87                        | 64                    | 7,179                         | 549                                    | 0.117 | 112.17 | 13.08 | 1.000 | 0.99971 |
| 3691              | 2                    | 3.39                        | 2                     | 203                           | 399                                    | 0.005 | 101.50 | 0.51  | 1.000 | 0.99999 |
| 3692              | 1                    | 1.02                        | 1                     | 61                            | 418                                    | 0.002 | 61.00  | 0.15  | 1.000 | 0.99999 |
| 3694              | 1                    | 2.45                        | 29                    | 4,284                         | 533                                    | 0.054 | 147.72 | 8.04  | 1.000 | 0.99982 |
| 3701              | 2                    | 1.93                        | 24                    | 1,393                         | 549                                    | 0.044 | 58.04  | 2.54  | 1.000 | 0.99994 |
| 3702              | 2                    | 0.62                        | 2                     | 37                            | 689                                    | 0.003 | 18.50  | 0.05  | 1.000 | 0.99999 |
| 3751              | 1                    | 1.00                        | 1                     | 60                            | 940                                    | 0.001 | 60.00  | 0.06  | 1.000 | 0.99999 |
| 3871              | 4                    | 4.90                        | 13                    | 674                           | 1,100                                  | 0.012 | 51.85  | 0.61  | 1.300 | 0.99999 |
| 3872              | 3                    | 2.50                        | 77                    | 3,767                         | 1,214                                  | 0.063 | 48.92  | 3.10  | 1.000 | 0.99993 |
| 3873              | 1                    | 2.07                        | 99                    | 12,237                        | 821                                    | 0.121 | 123.61 | 14.90 | 1.000 | 0.99967 |
| 3878              | 1                    | 1.32                        | 34                    | 2,699                         | 856                                    | 0.040 | 79.38  | 3.15  | 1.000 | 0.99993 |
| 3891              | 4                    | 4.31                        | 4                     | 258                           | 466                                    | 0.009 | 64.50  | 0.55  | 1.000 | 0.99999 |
| 3893              | 6                    | 9.56                        | 24                    | 2,183                         | 1,205                                  | 0.020 | 90.96  | 1.81  | 1.143 | 0.99996 |
| 3894              | 1                    | 1.73                        | 1                     | 104                           | 166                                    | 0.006 | 104.00 | 0.63  | 1.000 | 0.99999 |
| 3901              | 3                    | 7.28                        | 179                   | 26,601                        | 887                                    | 0.202 | 148.61 | 29.99 | 1.006 | 0.99933 |
| 3903              | 2                    | 7.72                        | 8                     | 2,581                         | 319                                    | 0.025 | 322.63 | 8.09  | 1.000 | 0.99982 |
| 3913              | 4                    | 11.78                       | 79                    | 12,295                        | 831                                    | 0.095 | 155.63 | 14.80 | 1.000 | 0.99967 |
| 3951              | 4                    | 8.84                        | 8                     | 2,164                         | 967                                    | 0.008 | 270.50 | 2.24  | 1.000 | 0.99995 |
| 3952              | 4                    | 2.66                        | 75                    | 4,202                         | 917                                    | 0.082 | 56.03  | 4.58  | 1.667 | 0.99990 |
| 3953              | 6                    | 23.60                       | 117                   | 35,186                        | 545                                    | 0.215 | 300.74 | 64.56 | 1.104 | 0.99855 |
| 3981              | 3                    | 2.45                        | 16                    | 845                           | 1,587                                  | 0.010 | 52.81  | 0.53  | 1.067 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3982              | 1                    | 1.47                        | 74                    | 6,475                         | 1,836                                  | 0.040 | 87.50  | 3.53  | 1.000 | 0.99992 |
| 3991              | 8                    | 11.24                       | 86                    | 9,780                         | 769                                    | 0.112 | 113.72 | 12.72 | 1.049 | 0.99972 |
| 4031              | 7                    | 16.25                       | 787                   | 71,159                        | 724                                    | 1.087 | 90.42  | 98.29 | 1.087 | 0.99780 |
| 4091              | 2                    | 3.10                        | 56                    | 5,292                         | 1,216                                  | 0.046 | 94.50  | 4.35  | 1.000 | 0.99990 |
| 4092              | 1                    | 1.17                        | 4                     | 283                           | 464                                    | 0.009 | 70.75  | 0.61  | 1.000 | 0.99999 |
| 4101              | 1                    | 0.90                        | 41                    | 2,254                         | 991                                    | 0.041 | 54.98  | 2.27  | 1.000 | 0.99995 |
| 4102              | 2                    | 2.27                        | 2                     | 136                           | 561                                    | 0.004 | 68.00  | 0.24  | 1.000 | 0.99999 |
| 4131              | 1                    | 0.52                        | 1                     | 31                            | 206                                    | 0.005 | 31.00  | 0.15  | 1.000 | 0.99999 |
| 4134              | 2                    | 1.65                        | 20                    | 1,461                         | 1,288                                  | 0.016 | 73.05  | 1.13  | 1.000 | 0.99997 |
| 4142              | 3                    | 3.29                        | 46                    | 3,495                         | 625                                    | 0.074 | 75.98  | 5.59  | 1.022 | 0.99987 |
| 4152              | 1                    | 0.20                        | 1,298                 | 16,700                        | 1,298                                  | 1.000 | 12.87  | 12.87 | 1.000 | 0.99971 |
| 4153              | 1                    | 2.55                        | 1                     | 153                           | 1,209                                  | 0.001 | 153.00 | 0.13  | 1.000 | 0.99999 |
| 4154              | 1                    | 0.80                        | 32                    | 1,552                         | 1,408                                  | 0.023 | 48.50  | 1.10  | 1.000 | 0.99998 |
| 4171              | 5                    | 6.01                        | 9                     | 570                           | 1,211                                  | 0.007 | 63.33  | 0.47  | 1.125 | 0.99999 |
| 4172              | 1                    | 1.00                        | 69                    | 4,154                         | 1,908                                  | 0.036 | 60.20  | 2.18  | 1.000 | 0.99995 |
| 4182              | 3                    | 4.55                        | 6                     | 502                           | 780                                    | 0.008 | 83.67  | 0.64  | 1.000 | 0.99999 |
| 4212              | 1                    | 1.98                        | 25                    | 2,985                         | 1,101                                  | 0.023 | 119.40 | 2.71  | 1.000 | 0.99994 |
| 4222              | 6                    | 4.92                        | 38                    | 2,703                         | 1,087                                  | 0.035 | 71.13  | 2.49  | 1.000 | 0.99994 |
| 4223              | 2                    | 1.02                        | 2                     | 61                            | 1,143                                  | 0.002 | 30.50  | 0.05  | 1.000 | 0.99999 |
| 4224              | 1                    | 3.50                        | 7                     | 1,476                         | 786                                    | 0.009 | 210.86 | 1.88  | 1.000 | 0.99996 |
| 4302              | 1                    | 0.83                        | 1                     | 50                            | 673                                    | 0.001 | 50.00  | 0.07  | 1.000 | 0.99999 |
| 4303              | 2                    | 9.28                        | 24                    | 5,980                         | 1,395                                  | 0.017 | 249.17 | 4.29  | 1.000 | 0.99990 |
| 4331              | 1                    | 1.78                        | 1                     | 107                           | 340                                    | 0.003 | 107.00 | 0.31  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4342              | 1                    | 1.58                        | 1                     | 95                            | 800                                    | 0.001 | 95.00  | 0.12  | 1.000 | 0.99999 |
| 4343              | 1                    | 1.18                        | 1                     | 71                            | 1,700                                  | 0.001 | 71.00  | 0.04  | 1.000 | 0.99999 |
| 4344              | 2                    | 1.05                        | 2                     | 63                            | 370                                    | 0.005 | 31.50  | 0.17  | 1.000 | 0.99999 |
| 4361              | 6                    | 11.52                       | 107                   | 32,625                        | 1,702                                  | 0.063 | 304.91 | 19.17 | 1.029 | 0.99957 |
| 4363              | 1                    | 4.62                        | 3                     | 833                           | 710                                    | 0.004 | 277.67 | 1.17  | 1.000 | 0.99997 |
| 4364              | 2                    | 1.55                        | 2                     | 93                            | 868                                    | 0.002 | 46.50  | 0.11  | 1.000 | 0.99999 |
| 4371              | 3                    | 5.12                        | 6                     | 752                           | 1,575                                  | 0.004 | 125.33 | 0.48  | 1.200 | 0.99999 |
| 4372              | 3                    | 4.73                        | 22                    | 1,874                         | 440                                    | 0.050 | 85.18  | 4.26  | 1.294 | 0.99990 |
| 4373              | 1                    | 2.10                        | 1                     | 126                           | 794                                    | 0.001 | 126.00 | 0.16  | 1.000 | 0.99999 |
| 4431              | 2                    | 2.81                        | 38                    | 4,393                         | 1,449                                  | 0.026 | 115.61 | 3.03  | 1.000 | 0.99993 |
| 4601              | 3                    | 9.71                        | 6                     | 1,534                         | 408                                    | 0.015 | 255.67 | 3.76  | 1.000 | 0.99992 |
| 4602              | 3                    | 5.16                        | 43                    | 3,438                         | 988                                    | 0.044 | 79.95  | 3.48  | 1.024 | 0.99992 |
| 4692              | 3                    | 1.60                        | 33                    | 1,739                         | 506                                    | 0.065 | 52.70  | 3.44  | 1.065 | 0.99992 |
| 4714              | 1                    | 1.78                        | 4                     | 430                           | 360                                    | 0.011 | 107.50 | 1.19  | 1.000 | 0.99997 |
| 4784              | 2                    | 2.87                        | 30                    | 2,871                         | 403                                    | 0.074 | 95.70  | 7.12  | 1.000 | 0.99984 |
| 4793              | 2                    | 1.65                        | 16                    | 794                           | 797                                    | 0.020 | 49.63  | 1.00  | 1.143 | 0.99998 |
| 4891              | 1                    | 1.53                        | 1                     | 92                            | 600                                    | 0.002 | 92.00  | 0.15  | 1.000 | 0.99999 |
| 4902              | 3                    | 10.90                       | 15                    | 2,301                         | 1,224                                  | 0.012 | 153.40 | 1.88  | 1.000 | 0.99996 |
| 5601              | 3                    | 2.93                        | 33                    | 1,625                         | 1,311                                  | 0.025 | 49.24  | 1.24  | 1.031 | 0.99997 |
| 5602              | 2                    | 1.64                        | 3                     | 162                           | 720                                    | 0.004 | 54.00  | 0.23  | 1.000 | 0.99999 |
| 5603              | 9                    | 9.17                        | 59                    | 3,169                         | 1,527                                  | 0.039 | 53.71  | 2.08  | 1.017 | 0.99995 |
| 5641              | 2                    | 1.55                        | 2                     | 93                            | 349                                    | 0.006 | 46.50  | 0.27  | 1.000 | 0.99999 |
| 5902              | 2                    | 1.60                        | 2                     | 96                            | 978                                    | 0.002 | 48.00  | 0.10  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 5904              | 2                    | 5.98                        | 30                    | 2,292                         | 1,307                                  | 0.023 | 76.40  | 1.75  | 1.000 | 0.99996 |
| 5905              | 2                    | 1.20                        | 51                    | 2,086                         | 1,953                                  | 0.026 | 40.90  | 1.07  | 1.000 | 0.99998 |
| 6023              | 3                    | 2.96                        | 23                    | 1,345                         | 131                                    | 0.176 | 58.48  | 10.27 | 1.150 | 0.99977 |
| 6024              | 2                    | 2.27                        | 2                     | 136                           | 398                                    | 0.005 | 68.00  | 0.34  | 1.000 | 0.99999 |
| 6141              | 2                    | 4.76                        | 683                   | 35,039                        | 658                                    | 1.038 | 51.30  | 53.25 | 1.038 | 0.99881 |
| 6142              | 2                    | 7.78                        | 341                   | 14,943                        | 340                                    | 1.003 | 43.82  | 43.95 | 1.003 | 0.99902 |
| 6143              | 1                    | 0.70                        | 382                   | 16,381                        | 382                                    | 1.000 | 42.88  | 42.88 | 1.000 | 0.99904 |
| 6144              | 1                    | 0.70                        | 328                   | 14,000                        | 328                                    | 1.000 | 42.68  | 42.68 | 1.000 | 0.99904 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 349                  | 600.41                      | 13,266                | 1,533,064                     | 177,119                                | 0.075 | 115.56 | 8.66  | 1.076 | 0.99981 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
6/1/2023 to 6/30/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1050              | 5                    | 17.90                       | 134                   | 16,693                        | 1,777                                  | 0.075 | 124.57 | 9.39   | 1.081 | 0.99978 |
| 1051              | 3                    | 36.05                       | 5                     | 3,714                         | 560                                    | 0.009 | 742.80 | 6.63   | 1.000 | 0.99985 |
| 1052              | 1                    | 4.48                        | 1                     | 269                           | 1,215                                  | 0.001 | 269.00 | 0.22   | 1.000 | 0.99999 |
| 1082              | 11                   | 15.65                       | 190                   | 12,866                        | 1,419                                  | 0.134 | 67.72  | 9.07   | 1.067 | 0.99979 |
| 1084              | 1                    | 1.60                        | 1                     | 96                            | 8                                      | 0.125 | 96.00  | 12.00  | 1.000 | 0.99972 |
| 1091              | 5                    | 5.98                        | 115                   | 10,191                        | 815                                    | 0.141 | 88.62  | 12.50  | 1.742 | 0.99971 |
| 1092              | 9                    | 37.38                       | 120                   | 19,817                        | 1,050                                  | 0.114 | 165.14 | 18.87  | 1.165 | 0.99956 |
| 1093              | 3                    | 2.03                        | 5                     | 188                           | 236                                    | 0.021 | 37.60  | 0.80   | 1.000 | 0.99998 |
| 1094              | 4                    | 18.42                       | 86                    | 8,552                         | 1,279                                  | 0.067 | 99.44  | 6.69   | 1.103 | 0.99985 |
| 1101              | 2                    | 3.70                        | 2                     | 222                           | 812                                    | 0.002 | 111.00 | 0.27   | 1.000 | 0.99999 |
| 1102              | 3                    | 3.58                        | 10                    | 867                           | 1,127                                  | 0.009 | 86.70  | 0.77   | 1.000 | 0.99998 |
| 1103              | 3                    | 2.68                        | 50                    | 2,565                         | 1,017                                  | 0.049 | 51.30  | 2.52   | 1.000 | 0.99994 |
| 1141              | 2                    | 3.95                        | 44                    | 6,196                         | 915                                    | 0.048 | 140.82 | 6.77   | 1.048 | 0.99984 |
| 1211              | 8                    | 11.49                       | 2,665                 | 276,147                       | 1,517                                  | 1.757 | 103.62 | 182.03 | 1.757 | 0.99579 |
| 1212              | 3                    | 3.67                        | 3                     | 220                           | 350                                    | 0.009 | 73.33  | 0.63   | 1.000 | 0.99999 |
| 1213              | 6                    | 4.06                        | 101                   | 2,642                         | 583                                    | 0.173 | 26.16  | 4.53   | 1.031 | 0.99990 |
| 1232              | 1                    | 0.92                        | 34                    | 1,897                         | 1,235                                  | 0.028 | 55.79  | 1.54   | 1.000 | 0.99996 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1233              | 2                    | 6.80                        | 116                   | 40,784                        | 652                                    | 0.178 | 351.59 | 62.55  | 1.009 | 0.99855 |
| 1242              | 2                    | 3.55                        | 25                    | 2,960                         | 862                                    | 0.029 | 118.40 | 3.43   | 1.000 | 0.99992 |
| 1243              | 3                    | 3.21                        | 7                     | 427                           | 1,259                                  | 0.006 | 61.00  | 0.34   | 1.000 | 0.99999 |
| 1271              | 7                    | 10.01                       | 22                    | 1,620                         | 1,006                                  | 0.022 | 73.64  | 1.61   | 1.048 | 0.99996 |
| 1273              | 3                    | 9.65                        | 57                    | 14,004                        | 874                                    | 0.065 | 245.68 | 16.02  | 1.000 | 0.99963 |
| 1282              | 1                    | 0.93                        | 26                    | 1,472                         | 709                                    | 0.037 | 56.62  | 2.08   | 1.000 | 0.99995 |
| 1283              | 1                    | 0.52                        | 1                     | 31                            | 357                                    | 0.003 | 31.00  | 0.09   | 1.000 | 0.99999 |
| 1312              | 10                   | 32.92                       | 88                    | 30,507                        | 994                                    | 0.089 | 346.67 | 30.69  | 1.000 | 0.99929 |
| 1451              | 2                    | 10.94                       | 30                    | 2,389                         | 586                                    | 0.051 | 79.63  | 4.08   | 1.034 | 0.99991 |
| 1453              | 4                    | 3.02                        | 22                    | 789                           | 1,845                                  | 0.012 | 35.86  | 0.43   | 1.571 | 0.99999 |
| 1523              | 2                    | 2.95                        | 2                     | 177                           | 773                                    | 0.003 | 88.50  | 0.23   | 1.000 | 0.99999 |
| 1841              | 4                    | 44.94                       | 15                    | 12,275                        | 653                                    | 0.023 | 818.33 | 18.80  | 1.000 | 0.99956 |
| 1842              | 1                    | 1.90                        | 307                   | 35,151                        | 307                                    | 1.000 | 114.50 | 114.50 | 1.000 | 0.99735 |
| 1843              | 12                   | 83.18                       | 658                   | 402,086                       | 1,146                                  | 0.574 | 611.07 | 350.86 | 1.088 | 0.99188 |
| 2051              | 1                    | 1.98                        | 1                     | 119                           | 213                                    | 0.005 | 119.00 | 0.56   | 1.000 | 0.99999 |
| 2052              | 1                    | 1.13                        | 1                     | 68                            | 86                                     | 0.012 | 68.00  | 0.79   | 1.000 | 0.99998 |
| 2091              | 2                    | 3.30                        | 5                     | 617                           | 950                                    | 0.005 | 123.40 | 0.65   | 1.000 | 0.99998 |
| 2172              | 1                    | 0.57                        | 9                     | 310                           | 253                                    | 0.036 | 34.44  | 1.23   | 1.000 | 0.99997 |
| 2211              | 2                    | 2.84                        | 17                    | 1,133                         | 743                                    | 0.023 | 66.65  | 1.52   | 1.000 | 0.99996 |
| 2212              | 6                    | 6.15                        | 89                    | 4,898                         | 1,394                                  | 0.064 | 55.03  | 3.51   | 1.035 | 0.99992 |
| 2511              | 6                    | 9.83                        | 1,265                 | 143,512                       | 631                                    | 2.005 | 113.45 | 227.44 | 2.005 | 0.99474 |
| 2621              | 3                    | 2.69                        | 3                     | 161                           | 1,234                                  | 0.002 | 53.67  | 0.13   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 2921              | 10                   | 29.38                       | 441                   | 80,232                        | 401                                    | 1.100 | 181.93 | 200.08 | 1.100 | 0.99537 |
| 2951              | 9                    | 18.89                       | 234                   | 19,295                        | 1,275                                  | 0.184 | 82.46  | 15.13  | 1.035 | 0.99965 |
| 2961              | 4                    | 29.54                       | 704                   | 123,956                       | 660                                    | 1.067 | 176.07 | 187.81 | 1.067 | 0.99565 |
| 2962              | 2                    | 17.70                       | 265                   | 43,282                        | 264                                    | 1.004 | 163.33 | 163.95 | 1.004 | 0.99620 |
| 3121              | 2                    | 2.68                        | 16                    | 1,186                         | 1,164                                  | 0.014 | 74.13  | 1.02   | 1.000 | 0.99998 |
| 3122              | 8                    | 15.07                       | 2,055                 | 152,142                       | 898                                    | 2.288 | 74.04  | 169.42 | 2.301 | 0.99608 |
| 3123              | 1                    | 0.63                        | 1                     | 38                            | 1,149                                  | 0.001 | 38.00  | 0.03   | 1.000 | 0.99999 |
| 3181              | 2                    | 4.08                        | 71                    | 8,778                         | 771                                    | 0.092 | 123.63 | 11.39  | 1.014 | 0.99974 |
| 3221              | 6                    | 11.70                       | 74                    | 6,354                         | 1,299                                  | 0.057 | 85.86  | 4.89   | 1.014 | 0.99989 |
| 3222              | 11                   | 22.57                       | 1,359                 | 218,217                       | 804                                    | 1.690 | 160.57 | 271.41 | 2.149 | 0.99372 |
| 3231              | 1                    | 0.87                        | 3                     | 158                           | 229                                    | 0.013 | 52.67  | 0.69   | 1.000 | 0.99998 |
| 3232              | 1                    | 1.32                        | 1                     | 79                            | 452                                    | 0.002 | 79.00  | 0.17   | 1.000 | 0.99999 |
| 3301              | 1                    | 0.57                        | 13                    | 443                           | 769                                    | 0.017 | 34.08  | 0.58   | 1.000 | 0.99999 |
| 3302              | 3                    | 7.05                        | 13                    | 1,301                         | 663                                    | 0.020 | 100.08 | 1.96   | 1.083 | 0.99995 |
| 3303              | 2                    | 0.93                        | 742                   | 15,038                        | 1,475                                  | 0.503 | 36.50  | 20.27  | 1.000 | 0.99976 |
| 3304              | 4                    | 5.09                        | 42                    | 2,307                         | 1,186                                  | 0.035 | 54.93  | 1.95   | 1.000 | 0.99995 |
| 3314              | 1                    | 7.08                        | 1                     | 425                           | 229                                    | 0.004 | 425.00 | 1.86   | 1.000 | 0.99996 |
| 3315              | 9                    | 23.71                       | 1,986                 | 811,424                       | 1,620                                  | 1.226 | 408.57 | 500.88 | 1.226 | 0.98841 |
| 3471              | 7                    | 26.19                       | 120                   | 5,344                         | 502                                    | 0.239 | 44.53  | 10.65  | 1.379 | 0.99975 |
| 3472              | 9                    | 22.82                       | 287                   | 65,458                        | 1,347                                  | 0.213 | 228.08 | 48.60  | 1.036 | 0.99888 |
| 3551              | 2                    | 2.44                        | 25                    | 1,005                         | 1,049                                  | 0.024 | 40.20  | 0.96   | 1.000 | 0.99998 |
| 3552              | 1                    | 2.22                        | 1                     | 133                           | 590                                    | 0.002 | 133.00 | 0.23   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3553              | 2                    | 2.27                        | 24                    | 1,421                         | 887                                    | 0.027 | 59.21  | 1.60   | 1.000 | 0.99996 |
| 3591              | 7                    | 17.82                       | 109                   | 16,741                        | 1,587                                  | 0.069 | 153.59 | 10.55  | 1.028 | 0.99976 |
| 3592              | 2                    | 3.28                        | 14                    | 1,955                         | 1,824                                  | 0.008 | 139.64 | 1.07   | 1.077 | 0.99998 |
| 3593              | 4                    | 11.23                       | 88                    | 13,343                        | 950                                    | 0.093 | 151.63 | 14.05  | 1.073 | 0.99967 |
| 3594              | 3                    | 5.54                        | 555                   | 43,797                        | 796                                    | 0.697 | 78.91  | 55.02  | 1.004 | 0.99873 |
| 3621              | 7                    | 12.62                       | 307                   | 47,544                        | 1,626                                  | 0.189 | 154.87 | 29.24  | 1.017 | 0.99932 |
| 3661              | 6                    | 6.30                        | 335                   | 17,597                        | 1,120                                  | 0.299 | 52.53  | 15.71  | 1.015 | 0.99964 |
| 3662              | 2                    | 1.73                        | 32                    | 843                           | 902                                    | 0.035 | 26.34  | 0.93   | 1.000 | 0.99998 |
| 3663              | 2                    | 4.30                        | 2                     | 258                           | 321                                    | 0.006 | 129.00 | 0.80   | 1.000 | 0.99998 |
| 3664              | 4                    | 5.50                        | 590                   | 62,695                        | 588                                    | 1.003 | 106.26 | 106.62 | 1.867 | 0.99753 |
| 3673              | 2                    | 1.89                        | 2                     | 113                           | 277                                    | 0.007 | 56.50  | 0.41   | 1.000 | 0.99999 |
| 3692              | 1                    | 1.13                        | 1                     | 68                            | 418                                    | 0.002 | 68.00  | 0.16   | 1.000 | 0.99999 |
| 3701              | 1                    | 1.67                        | 1                     | 100                           | 549                                    | 0.002 | 100.00 | 0.18   | 1.000 | 0.99999 |
| 3702              | 2                    | 1.54                        | 46                    | 3,078                         | 689                                    | 0.067 | 66.91  | 4.47   | 1.022 | 0.99990 |
| 3751              | 11                   | 52.06                       | 105                   | 25,679                        | 940                                    | 0.112 | 244.56 | 27.32  | 1.040 | 0.99937 |
| 3872              | 2                    | 1.75                        | 77                    | 4,217                         | 1,214                                  | 0.063 | 54.77  | 3.47   | 1.013 | 0.99992 |
| 3873              | 2                    | 1.59                        | 41                    | 2,124                         | 821                                    | 0.050 | 51.80  | 2.59   | 1.000 | 0.99994 |
| 3878              | 2                    | 1.37                        | 47                    | 2,694                         | 856                                    | 0.055 | 57.32  | 3.15   | 1.044 | 0.99993 |
| 3891              | 2                    | 3.43                        | 20                    | 2,311                         | 466                                    | 0.043 | 115.55 | 4.96   | 1.000 | 0.99989 |
| 3893              | 3                    | 38.30                       | 32                    | 17,171                        | 1,205                                  | 0.027 | 536.59 | 14.25  | 1.032 | 0.99967 |
| 3901              | 1                    | 1.35                        | 1                     | 81                            | 887                                    | 0.001 | 81.00  | 0.09   | 1.000 | 0.99999 |
| 3902              | 1                    | 1.53                        | 29                    | 2,668                         | 99                                     | 0.293 | 92.00  | 26.95  | 1.000 | 0.99938 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3903              | 2                    | 2.72                        | 67                    | 5,453                         | 319                                    | 0.210 | 81.39  | 17.09  | 1.000 | 0.99960 |
| 3913              | 8                    | 19.83                       | 1,027                 | 82,277                        | 831                                    | 1.236 | 80.11  | 99.01  | 1.308 | 0.99771 |
| 3914              | 1                    | 1.22                        | 33                    | 2,417                         | 400                                    | 0.083 | 73.24  | 6.04   | 1.000 | 0.99986 |
| 3951              | 8                    | 25.71                       | 35                    | 13,623                        | 967                                    | 0.036 | 389.23 | 14.09  | 1.061 | 0.99967 |
| 3952              | 7                    | 7.36                        | 55                    | 2,212                         | 917                                    | 0.060 | 40.22  | 2.41   | 1.078 | 0.99994 |
| 3953              | 1                    | 6.32                        | 32                    | 12,132                        | 545                                    | 0.059 | 379.13 | 22.26  | 1.000 | 0.99948 |
| 3971              | 1                    | 2.55                        | 3                     | 461                           | 703                                    | 0.004 | 153.67 | 0.66   | 1.000 | 0.99998 |
| 3981              | 10                   | 62.10                       | 1,847                 | 373,394                       | 1,587                                  | 1.164 | 202.16 | 235.28 | 1.180 | 0.99455 |
| 3982              | 14                   | 89.47                       | 435                   | 245,814                       | 1,836                                  | 0.237 | 565.09 | 133.89 | 1.009 | 0.99690 |
| 3991              | 8                    | 14.03                       | 59                    | 7,494                         | 769                                    | 0.077 | 127.02 | 9.75   | 1.054 | 0.99977 |
| 4031              | 1                    | 1.10                        | 1                     | 66                            | 724                                    | 0.001 | 66.00  | 0.09   | 1.000 | 0.99999 |
| 4091              | 7                    | 8.03                        | 74                    | 5,581                         | 1,216                                  | 0.061 | 75.42  | 4.59   | 1.000 | 0.99989 |
| 4101              | 3                    | 3.51                        | 116                   | 8,833                         | 991                                    | 0.117 | 76.15  | 8.91   | 1.234 | 0.99979 |
| 4131              | 1                    | 3.73                        | 2                     | 449                           | 206                                    | 0.010 | 224.50 | 2.18   | 1.000 | 0.99995 |
| 4133              | 1                    | 0.70                        | 20                    | 849                           | 285                                    | 0.070 | 42.45  | 2.98   | 1.000 | 0.99993 |
| 4137              | 4                    | 3.49                        | 38                    | 2,020                         | 822                                    | 0.046 | 53.16  | 2.46   | 1.086 | 0.99994 |
| 4141              | 1                    | 3.87                        | 1                     | 232                           | 85                                     | 0.012 | 232.00 | 2.73   | 1.000 | 0.99994 |
| 4142              | 1                    | 8.02                        | 1                     | 481                           | 625                                    | 0.002 | 481.00 | 0.77   | 1.000 | 0.99998 |
| 4152              | 5                    | 5.47                        | 25                    | 1,606                         | 1,298                                  | 0.019 | 64.24  | 1.24   | 1.136 | 0.99997 |
| 4155              | 1                    | 1.48                        | 38                    | 3,414                         | 1,739                                  | 0.022 | 89.84  | 1.96   | 1.000 | 0.99995 |
| 4171              | 4                    | 5.06                        | 8                     | 588                           | 1,211                                  | 0.007 | 73.50  | 0.49   | 1.000 | 0.99999 |
| 4172              | 1                    | 0.32                        | 6                     | 114                           | 1,908                                  | 0.003 | 19.00  | 0.06   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4173              | 1                    | 0.75                        | 33                    | 1,502                         | 694                                    | 0.048 | 45.52  | 2.16  | 1.000 | 0.99995 |
| 4181              | 5                    | 21.83                       | 60                    | 16,567                        | 798                                    | 0.075 | 276.12 | 20.76 | 1.000 | 0.99952 |
| 4182              | 1                    | 1.50                        | 1                     | 90                            | 780                                    | 0.001 | 90.00  | 0.12  | 1.000 | 0.99999 |
| 4211              | 5                    | 8.54                        | 125                   | 16,318                        | 806                                    | 0.155 | 130.54 | 20.25 | 1.488 | 0.99953 |
| 4212              | 6                    | 12.74                       | 64                    | 4,557                         | 1,101                                  | 0.058 | 71.20  | 4.14  | 1.032 | 0.99990 |
| 4222              | 4                    | 10.66                       | 12                    | 1,204                         | 1,087                                  | 0.011 | 100.33 | 1.11  | 1.000 | 0.99997 |
| 4223              | 5                    | 11.21                       | 65                    | 3,851                         | 1,143                                  | 0.057 | 59.25  | 3.37  | 1.032 | 0.99992 |
| 4224              | 1                    | 4.25                        | 10                    | 2,550                         | 786                                    | 0.013 | 255.00 | 3.24  | 1.000 | 0.99992 |
| 4301              | 2                    | 2.25                        | 12                    | 813                           | 111                                    | 0.108 | 67.75  | 7.32  | 1.000 | 0.99983 |
| 4303              | 5                    | 18.58                       | 87                    | 10,324                        | 1,395                                  | 0.062 | 118.67 | 7.40  | 1.012 | 0.99983 |
| 4311              | 1                    | 0.52                        | 23                    | 731                           | 764                                    | 0.030 | 31.78  | 0.96  | 1.000 | 0.99998 |
| 4312              | 1                    | 1.48                        | 3                     | 269                           | 928                                    | 0.003 | 89.67  | 0.29  | 1.000 | 0.99999 |
| 4342              | 1                    | 0.70                        | 238                   | 10,118                        | 800                                    | 0.298 | 42.51  | 12.65 | 1.000 | 0.99971 |
| 4343              | 5                    | 6.34                        | 198                   | 14,443                        | 1,700                                  | 0.116 | 72.94  | 8.50  | 1.010 | 0.99980 |
| 4344              | 4                    | 4.85                        | 32                    | 3,199                         | 370                                    | 0.086 | 99.96  | 8.65  | 1.024 | 0.99980 |
| 4361              | 5                    | 19.30                       | 41                    | 4,025                         | 1,702                                  | 0.024 | 98.17  | 2.36  | 1.025 | 0.99995 |
| 4362              | 1                    | 5.35                        | 69                    | 22,160                        | 844                                    | 0.082 | 321.16 | 26.26 | 1.000 | 0.99939 |
| 4363              | 4                    | 6.44                        | 42                    | 2,998                         | 710                                    | 0.059 | 71.38  | 4.22  | 1.024 | 0.99990 |
| 4364              | 4                    | 4.60                        | 116                   | 4,476                         | 868                                    | 0.134 | 38.59  | 5.16  | 1.018 | 0.99988 |
| 4371              | 4                    | 6.35                        | 50                    | 4,281                         | 1,575                                  | 0.032 | 85.62  | 2.72  | 2.083 | 0.99994 |
| 4372              | 3                    | 4.50                        | 3                     | 270                           | 440                                    | 0.007 | 90.00  | 0.61  | 1.000 | 0.99999 |
| 4383              | 1                    | 1.62                        | 1                     | 97                            | 148                                    | 0.007 | 97.00  | 0.66  | 1.000 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI  | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|--------|---------|
| 4431              | 4                    | 13.44                       | 14                    | 2,239                         | 1,449                                  | 0.010 | 159.93 | 1.55   | 1.167  | 0.99996 |
| 4432              | 6                    | 25.53                       | 677                   | 142,239                       | 488                                    | 1.405 | 210.10 | 295.10 | 20.119 | 0.99317 |
| 4511              | 4                    | 6.09                        | 97                    | 11,531                        | 1,148                                  | 0.084 | 118.88 | 10.04  | 1.043  | 0.99977 |
| 4602              | 1                    | 0.93                        | 32                    | 1,800                         | 988                                    | 0.032 | 56.25  | 1.82   | 1.000  | 0.99996 |
| 4692              | 5                    | 8.92                        | 86                    | 6,962                         | 506                                    | 0.170 | 80.95  | 13.76  | 1.024  | 0.99968 |
| 4714              | 4                    | 23.96                       | 7                     | 1,548                         | 360                                    | 0.019 | 221.14 | 4.30   | 1.167  | 0.99990 |
| 4794              | 1                    | 0.55                        | 1                     | 33                            | 399                                    | 0.003 | 33.00  | 0.08   | 1.000  | 0.99999 |
| 4902              | 1                    | 15.97                       | 3                     | 2,875                         | 1,224                                  | 0.002 | 958.33 | 2.35   | 1.000  | 0.99995 |
| 4903              | 1                    | 0.90                        | 2                     | 109                           | 168                                    | 0.012 | 54.50  | 0.65   | 1.000  | 0.99998 |
| 4906              | 12                   | 42.85                       | 2,856                 | 172,137                       | 1,320                                  | 2.164 | 60.27  | 130.40 | 2.164  | 0.99698 |
| 5601              | 8                    | 49.56                       | 1,387                 | 49,319                        | 1,311                                  | 1.058 | 35.56  | 37.62  | 1.058  | 0.99913 |
| 5602              | 7                    | 74.97                       | 1,465                 | 192,643                       | 720                                    | 2.035 | 131.50 | 267.56 | 2.035  | 0.99381 |
| 5603              | 12                   | 118.27                      | 1,783                 | 201,735                       | 1,527                                  | 1.168 | 113.14 | 132.11 | 1.168  | 0.99694 |
| 5641              | 3                    | 35.86                       | 374                   | 36,789                        | 349                                    | 1.072 | 98.37  | 105.41 | 1.072  | 0.99756 |
| 5901              | 2                    | 1.84                        | 58                    | 4,040                         | 902                                    | 0.064 | 69.66  | 4.48   | 1.018  | 0.99990 |
| 5902              | 1                    | 0.87                        | 80                    | 4,221                         | 978                                    | 0.082 | 52.76  | 4.32   | 1.000  | 0.99990 |
| 5904              | 1                    | 1.07                        | 1                     | 64                            | 1,307                                  | 0.001 | 64.00  | 0.05   | 1.000  | 0.99999 |
| 5905              | 2                    | 2.23                        | 132                   | 10,019                        | 1,953                                  | 0.068 | 75.90  | 5.13   | 1.000  | 0.99988 |
| 6021              | 3                    | 6.54                        | 12                    | 3,166                         | 1,381                                  | 0.009 | 263.83 | 2.29   | 1.091  | 0.99995 |
| 6024              | 1                    | 1.58                        | 1                     | 95                            | 398                                    | 0.003 | 95.00  | 0.24   | 1.000  | 0.99999 |
| 6141              | 1                    | 1.93                        | 1                     | 116                           | 658                                    | 0.002 | 116.00 | 0.18   | 1.000  | 0.99999 |
| 6142              | 2                    | 1.02                        | 2                     | 61                            | 340                                    | 0.006 | 30.50  | 0.18   | 1.000  | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 552                  | 1,709.33                    | 31,523                | 4,619,820                     | 177,119                                | 0.178 | 146.55 | 26.08 | 1.388 | 0.99940 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
7/1/2023 to 7/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1050              | 6                    | 18.68                       | 334                   | 83,593                        | 1,808                                  | 0.185 | 250.28 | 46.24  | 1.000 | 0.99896 |
| 1051              | 1                    | 7.27                        | 1                     | 436                           | 561                                    | 0.002 | 436.00 | 0.78   | 1.000 | 0.99998 |
| 1052              | 3                    | 6.80                        | 513                   | 91,895                        | 1,214                                  | 0.423 | 179.13 | 75.70  | 2.004 | 0.99830 |
| 1082              | 8                    | 48.49                       | 172                   | 125,231                       | 1,428                                  | 0.120 | 728.09 | 87.70  | 1.162 | 0.99804 |
| 1091              | 3                    | 17.34                       | 55                    | 5,060                         | 830                                    | 0.066 | 92.00  | 6.10   | 1.019 | 0.99986 |
| 1092              | 6                    | 18.38                       | 65                    | 13,125                        | 1,055                                  | 0.062 | 201.92 | 12.44  | 1.048 | 0.99972 |
| 1094              | 5                    | 12.49                       | 92                    | 10,131                        | 1,336                                  | 0.069 | 110.12 | 7.58   | 1.034 | 0.99983 |
| 1102              | 4                    | 20.61                       | 55                    | 19,961                        | 1,128                                  | 0.049 | 362.93 | 17.70  | 1.019 | 0.99960 |
| 1103              | 4                    | 2.28                        | 54                    | 1,920                         | 1,023                                  | 0.053 | 35.56  | 1.88   | 1.019 | 0.99996 |
| 1141              | 6                    | 78.57                       | 949                   | 354,843                       | 918                                    | 1.034 | 373.91 | 386.54 | 1.062 | 0.99134 |
| 1211              | 4                    | 10.17                       | 18                    | 3,763                         | 1,522                                  | 0.012 | 209.06 | 2.47   | 1.059 | 0.99994 |
| 1213              | 3                    | 2.45                        | 3                     | 147                           | 582                                    | 0.005 | 49.00  | 0.25   | 1.000 | 0.99999 |
| 1230              | 4                    | 8.77                        | 136                   | 33,216                        | 1,214                                  | 0.112 | 244.24 | 27.36  | 1.015 | 0.99939 |
| 1232              | 4                    | 15.50                       | 1,242                 | 74,219                        | 1,237                                  | 1.004 | 59.76  | 60.00  | 1.002 | 0.99866 |
| 1233              | 7                    | 26.00                       | 1,504                 | 232,241                       | 746                                    | 2.016 | 154.42 | 311.32 | 2.016 | 0.99303 |
| 1241              | 5                    | 26.20                       | 933                   | 259,599                       | 901                                    | 1.036 | 278.24 | 288.12 | 1.036 | 0.99355 |
| 1242              | 7                    | 44.86                       | 1,420                 | 266,172                       | 864                                    | 1.644 | 187.45 | 308.07 | 1.644 | 0.99310 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 1243              | 4                    | 24.54                       | 1,860                 | 559,696                       | 1,262                                  | 1.474 | 300.91  | 443.50 | 1.474 | 0.99006 |
| 1273              | 4                    | 14.63                       | 101                   | 14,402                        | 874                                    | 0.116 | 142.59  | 16.48  | 1.000 | 0.99963 |
| 1282              | 2                    | 5.97                        | 10                    | 2,266                         | 710                                    | 0.014 | 226.60  | 3.19   | 1.000 | 0.99993 |
| 1284              | 1                    | 0.63                        | 60                    | 2,293                         | 973                                    | 0.062 | 38.22   | 2.36   | 1.000 | 0.99995 |
| 1285              | 3                    | 13.57                       | 3                     | 814                           | 1,136                                  | 0.003 | 271.33  | 0.72   | 1.000 | 0.99998 |
| 1312              | 4                    | 16.89                       | 23                    | 11,385                        | 998                                    | 0.023 | 495.00  | 11.41  | 1.150 | 0.99974 |
| 1451              | 1                    | 7.30                        | 7                     | 3,066                         | 587                                    | 0.012 | 438.00  | 5.22   | 1.000 | 0.99988 |
| 1452              | 3                    | 3.93                        | 3                     | 236                           | 474                                    | 0.006 | 78.67   | 0.50   | 1.000 | 0.99999 |
| 1453              | 6                    | 49.50                       | 2,323                 | 175,450                       | 1,851                                  | 1.255 | 75.53   | 94.79  | 1.255 | 0.99788 |
| 1454              | 4                    | 8.50                        | 1,513                 | 220,293                       | 970                                    | 1.560 | 145.60  | 227.11 | 1.560 | 0.99491 |
| 1455              | 1                    | 2.00                        | 426                   | 51,354                        | 426                                    | 1.000 | 120.55  | 120.55 | 1.000 | 0.99730 |
| 1523              | 5                    | 105.60                      | 1,601                 | 536,781                       | 783                                    | 2.047 | 335.28  | 686.42 | 2.047 | 0.98462 |
| 1842              | 1                    | 1.02                        | 1                     | 61                            | 308                                    | 0.003 | 61.00   | 0.20   | 1.000 | 0.99999 |
| 1843              | 6                    | 14.01                       | 36                    | 3,934                         | 1,149                                  | 0.031 | 109.28  | 3.42   | 1.059 | 0.99992 |
| 2051              | 6                    | 61.82                       | 558                   | 167,929                       | 215                                    | 2.595 | 300.95  | 781.07 | 2.595 | 0.98250 |
| 2091              | 1                    | 1.65                        | 1                     | 99                            | 952                                    | 0.001 | 99.00   | 0.10   | 1.000 | 0.99999 |
| 2092              | 4                    | 19.80                       | 59                    | 7,150                         | 966                                    | 0.061 | 121.19  | 7.40   | 1.000 | 0.99983 |
| 2171              | 8                    | 32.31                       | 98                    | 35,873                        | 600                                    | 0.163 | 366.05  | 59.79  | 1.043 | 0.99866 |
| 2172              | 2                    | 6.89                        | 2                     | 413                           | 254                                    | 0.008 | 206.50  | 1.63   | 1.000 | 0.99996 |
| 2211              | 20                   | 201.36                      | 145                   | 82,213                        | 746                                    | 0.194 | 566.99  | 110.21 | 1.318 | 0.99753 |
| 2212              | 11                   | 131.53                      | 3,028                 | 892,449                       | 1,480                                  | 2.046 | 294.73  | 603.01 | 2.046 | 0.98649 |
| 2491              | 1                    | 19.82                       | 45                    | 53,515                        | 66                                     | 0.682 | 1189.22 | 810.83 | 1.000 | 0.98184 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI   | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|---------|-------|---------|
| 2501              | 1                    | 3.43                        | 45                    | 9,174                         | 84                                     | 0.536 | 203.87  | 109.21  | 1.000 | 0.99755 |
| 2621              | 10                   | 226.41                      | 368                   | 456,136                       | 1,222                                  | 0.301 | 1239.50 | 373.27  | 1.287 | 0.99164 |
| 2841              | 1                    | 0.92                        | 1                     | 55                            | 300                                    | 0.003 | 55.00   | 0.18    | 1.000 | 0.99999 |
| 2921              | 2                    | 12.42                       | 2                     | 745                           | 404                                    | 0.005 | 372.50  | 1.84    | 1.000 | 0.99996 |
| 2951              | 6                    | 92.07                       | 186                   | 107,172                       | 1,276                                  | 0.146 | 576.19  | 83.99   | 1.431 | 0.99812 |
| 2961              | 4                    | 13.09                       | 695                   | 48,522                        | 660                                    | 1.053 | 69.82   | 73.52   | 1.053 | 0.99835 |
| 2962              | 2                    | 1.19                        | 426                   | 13,432                        | 264                                    | 1.614 | 31.53   | 50.88   | 1.626 | 0.99886 |
| 3121              | 18                   | 163.93                      | 1,491                 | 294,899                       | 1,168                                  | 1.277 | 197.79  | 252.48  | 1.277 | 0.99434 |
| 3122              | 4                    | 23.93                       | 1,804                 | 982,120                       | 901                                    | 2.002 | 544.41  | 1090.03 | 2.002 | 0.97558 |
| 3123              | 6                    | 134.21                      | 809                   | 285,174                       | 1,150                                  | 0.703 | 352.50  | 247.98  | 1.476 | 0.99444 |
| 3221              | 4                    | 19.96                       | 54                    | 15,657                        | 1,301                                  | 0.042 | 289.94  | 12.03   | 1.019 | 0.99973 |
| 3231              | 3                    | 7.11                        | 68                    | 5,546                         | 230                                    | 0.296 | 81.56   | 24.11   | 1.015 | 0.99946 |
| 3232              | 1                    | 1.00                        | 2                     | 121                           | 452                                    | 0.004 | 60.50   | 0.27    | 1.000 | 0.99999 |
| 3301              | 13                   | 280.55                      | 1,022                 | 257,318                       | 771                                    | 1.326 | 251.78  | 333.75  | 2.179 | 0.99252 |
| 3302              | 2                    | 55.46                       | 80                    | 6,601                         | 690                                    | 0.116 | 82.51   | 9.57    | 1.013 | 0.99979 |
| 3303              | 1                    | 27.12                       | 713                   | 1,160,051                     | 977                                    | 0.730 | 1627.00 | 1187.36 | 1.000 | 0.97340 |
| 3304              | 9                    | 125.63                      | 506                   | 273,240                       | 1,189                                  | 0.426 | 540.00  | 229.81  | 1.788 | 0.99485 |
| 3311              | 7                    | 111.63                      | 2,308                 | 826,609                       | 559                                    | 4.129 | 358.15  | 1478.73 | 4.129 | 0.96687 |
| 3312              | 4                    | 22.20                       | 1,054                 | 381,793                       | 470                                    | 2.243 | 362.23  | 812.33  | 2.243 | 0.98180 |
| 3313              | 11                   | 246.11                      | 356                   | 662,458                       | 1,560                                  | 0.228 | 1860.84 | 424.65  | 1.029 | 0.99049 |
| 3314              | 4                    | 72.89                       | 521                   | 356,979                       | 229                                    | 2.275 | 685.18  | 1558.86 | 2.275 | 0.96508 |
| 3315              | 7                    | 77.97                       | 3,286                 | 2,387,800                     | 1,625                                  | 2.022 | 726.66  | 1469.42 | 2.022 | 0.96708 |
| 3471              | 4                    | 4.22                        | 32                    | 2,616                         | 504                                    | 0.063 | 81.75   | 5.19    | 1.032 | 0.99988 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 3472              | 4                    | 14.40                       | 186                   | 34,286                        | 1,352                                  | 0.138 | 184.33  | 25.36  | 1.094 | 0.99943 |
| 3551              | 6                    | 60.30                       | 67                    | 37,132                        | 1,051                                  | 0.064 | 554.21  | 35.33  | 1.000 | 0.99921 |
| 3552              | 9                    | 106.07                      | 258                   | 175,715                       | 590                                    | 0.437 | 681.07  | 297.82 | 1.103 | 0.99333 |
| 3553              | 7                    | 75.49                       | 463                   | 109,559                       | 892                                    | 0.519 | 236.63  | 122.82 | 1.000 | 0.99725 |
| 3591              | 6                    | 137.65                      | 13                    | 31,788                        | 1,610                                  | 0.008 | 2445.23 | 19.74  | 1.000 | 0.99956 |
| 3592              | 8                    | 97.00                       | 161                   | 99,375                        | 1,837                                  | 0.088 | 617.24  | 54.10  | 1.019 | 0.99879 |
| 3593              | 4                    | 77.10                       | 219                   | 267,154                       | 950                                    | 0.231 | 1219.88 | 281.21 | 1.005 | 0.99370 |
| 3594              | 3                    | 72.73                       | 29                    | 17,336                        | 853                                    | 0.034 | 597.79  | 20.32  | 1.115 | 0.99954 |
| 3621              | 7                    | 183.04                      | 14                    | 28,046                        | 1,643                                  | 0.009 | 2003.29 | 17.07  | 2.000 | 0.99962 |
| 3661              | 9                    | 22.42                       | 1,186                 | 116,114                       | 1,120                                  | 1.059 | 97.90   | 103.67 | 1.117 | 0.99768 |
| 3662              | 5                    | 8.79                        | 35                    | 1,949                         | 904                                    | 0.039 | 55.69   | 2.16   | 1.061 | 0.99995 |
| 3663              | 11                   | 25.37                       | 25                    | 4,626                         | 322                                    | 0.078 | 185.04  | 14.37  | 1.190 | 0.99968 |
| 3664              | 4                    | 7.60                        | 12                    | 2,095                         | 592                                    | 0.020 | 174.58  | 3.54   | 1.000 | 0.99992 |
| 3671              | 6                    | 8.87                        | 76                    | 7,558                         | 674                                    | 0.113 | 99.45   | 11.21  | 1.041 | 0.99975 |
| 3673              | 1                    | 1.10                        | 74                    | 4,851                         | 278                                    | 0.266 | 65.55   | 17.45  | 1.000 | 0.99961 |
| 3675              | 1                    | 0.53                        | 1                     | 32                            | 550                                    | 0.002 | 32.00   | 0.06   | 1.000 | 0.99999 |
| 3691              | 3                    | 5.90                        | 24                    | 3,588                         | 402                                    | 0.060 | 149.50  | 8.93   | 1.043 | 0.99980 |
| 3693              | 1                    | 5.68                        | 1                     | 341                           | 183                                    | 0.005 | 341.00  | 1.86   | 1.000 | 0.99996 |
| 3694              | 2                    | 61.32                       | 8                     | 5,869                         | 542                                    | 0.015 | 733.63  | 10.83  | 1.000 | 0.99976 |
| 3701              | 6                    | 32.37                       | 583                   | 137,169                       | 551                                    | 1.058 | 235.28  | 248.95 | 1.058 | 0.99442 |
| 3751              | 6                    | 18.06                       | 1,106                 | 259,924                       | 940                                    | 1.177 | 235.01  | 276.51 | 1.177 | 0.99381 |
| 3871              | 6                    | 92.59                       | 384                   | 217,712                       | 1,102                                  | 0.348 | 566.96  | 197.56 | 1.174 | 0.99557 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI   | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|---------|-------|---------|
| 3872              | 15                   | 186.91                      | 5,251                 | 1,348,379                     | 1,227                                  | 4.280 | 256.79 | 1098.92 | 4.280 | 0.97538 |
| 3873              | 4                    | 28.50                       | 2,565                 | 1,342,078                     | 824                                    | 3.105 | 523.23 | 1624.79 | 3.105 | 0.96360 |
| 3878              | 23                   | 453.17                      | 599                   | 594,256                       | 864                                    | 0.693 | 992.08 | 687.80  | 2.202 | 0.98459 |
| 3891              | 1                    | 7.05                        | 1                     | 423                           | 466                                    | 0.002 | 423.00 | 0.91    | 1.000 | 0.99998 |
| 3892              | 1                    | 4.45                        | 1                     | 267                           | 557                                    | 0.002 | 267.00 | 0.48    | 1.000 | 0.99999 |
| 3893              | 5                    | 6.07                        | 192                   | 6,513                         | 1,212                                  | 0.158 | 33.92  | 5.37    | 1.032 | 0.99988 |
| 3894              | 2                    | 9.76                        | 12                    | 3,523                         | 166                                    | 0.072 | 293.58 | 21.22   | 1.200 | 0.99952 |
| 3901              | 8                    | 105.98                      | 931                   | 843,868                       | 894                                    | 1.041 | 906.41 | 943.92  | 1.041 | 0.97885 |
| 3902              | 2                    | 14.46                       | 109                   | 78,833                        | 99                                     | 1.101 | 723.24 | 796.29  | 1.101 | 0.98216 |
| 3903              | 3                    | 49.37                       | 591                   | 401,653                       | 318                                    | 1.858 | 679.62 | 1263.06 | 1.858 | 0.97171 |
| 3912              | 2                    | 2.07                        | 1,438                 | 123,381                       | 1,437                                  | 1.001 | 85.80  | 85.86   | 1.001 | 0.99808 |
| 3913              | 3                    | 4.60                        | 1,012                 | 84,802                        | 988                                    | 1.024 | 83.80  | 85.83   | 1.024 | 0.99808 |
| 3914              | 1                    | 1.42                        | 405                   | 34,526                        | 405                                    | 1.000 | 85.25  | 85.25   | 1.000 | 0.99808 |
| 3951              | 11                   | 31.78                       | 489                   | 99,994                        | 970                                    | 0.504 | 204.49 | 103.09  | 1.343 | 0.99769 |
| 3952              | 8                    | 18.95                       | 144                   | 16,763                        | 923                                    | 0.156 | 116.41 | 18.16   | 1.007 | 0.99959 |
| 3953              | 7                    | 9.16                        | 39                    | 4,749                         | 548                                    | 0.071 | 121.77 | 8.67    | 1.182 | 0.99981 |
| 3971              | 4                    | 3.83                        | 57                    | 3,258                         | 706                                    | 0.081 | 57.16  | 4.61    | 1.056 | 0.99990 |
| 3981              | 9                    | 24.54                       | 1,735                 | 115,809                       | 1,601                                  | 1.084 | 66.75  | 72.36   | 1.084 | 0.99838 |
| 3982              | 9                    | 19.48                       | 2,225                 | 113,858                       | 1,841                                  | 1.209 | 51.17  | 61.85   | 1.209 | 0.99861 |
| 3991              | 5                    | 13.40                       | 54                    | 5,834                         | 771                                    | 0.070 | 108.04 | 7.57    | 1.080 | 0.99983 |
| 4031              | 1                    | 2.97                        | 20                    | 3,575                         | 724                                    | 0.028 | 178.75 | 4.94    | 1.000 | 0.99989 |
| 4091              | 7                    | 16.39                       | 73                    | 14,780                        | 1,219                                  | 0.060 | 202.47 | 12.12   | 1.014 | 0.99973 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 4092              | 2                    | 4.95                        | 6                     | 892                           | 466                                    | 0.013 | 148.67  | 1.91   | 1.000 | 0.99996 |
| 4101              | 18                   | 471.40                      | 203                   | 197,394                       | 992                                    | 0.205 | 972.38  | 198.99 | 1.574 | 0.99554 |
| 4102              | 6                    | 94.82                       | 153                   | 115,017                       | 562                                    | 0.272 | 751.75  | 204.66 | 1.378 | 0.99542 |
| 4131              | 1                    | 18.08                       | 1                     | 1,085                         | 207                                    | 0.005 | 1085.00 | 5.24   | 1.000 | 0.99988 |
| 4132              | 3                    | 83.28                       | 236                   | 558,071                       | 575                                    | 0.410 | 2364.71 | 970.56 | 1.698 | 0.97826 |
| 4133              | 1                    | 18.40                       | 2                     | 2,208                         | 496                                    | 0.004 | 1104.00 | 4.45   | 1.000 | 0.99990 |
| 4134              | 4                    | 56.15                       | 914                   | 579,551                       | 1,091                                  | 0.838 | 634.08  | 531.21 | 1.022 | 0.98810 |
| 4135              | 1                    | 1.90                        | 1                     | 114                           | 66                                     | 0.015 | 114.00  | 1.73   | 1.000 | 0.99996 |
| 4137              | 6                    | 115.13                      | 132                   | 237,015                       | 822                                    | 0.161 | 1795.57 | 288.34 | 1.148 | 0.99354 |
| 4138              | 7                    | 113.18                      | 93                    | 95,160                        | 754                                    | 0.123 | 1023.23 | 126.21 | 1.011 | 0.99717 |
| 4142              | 2                    | 5.54                        | 15                    | 1,519                         | 625                                    | 0.024 | 101.27  | 2.43   | 1.000 | 0.99995 |
| 4152              | 4                    | 90.50                       | 1,310                 | 1,011,680                     | 1,298                                  | 1.009 | 772.27  | 779.41 | 5.413 | 0.98254 |
| 4153              | 1                    | 10.47                       | 151                   | 95,279                        | 1,133                                  | 0.133 | 628.00  | 84.09  | 1.000 | 0.99812 |
| 4154              | 6                    | 68.45                       | 1,774                 | 1,278,785                     | 1,483                                  | 1.196 | 713.80  | 862.30 | 1.275 | 0.98068 |
| 4171              | 7                    | 25.94                       | 65                    | 21,802                        | 1,214                                  | 0.054 | 335.42  | 17.96  | 1.121 | 0.99960 |
| 4172              | 3                    | 6.30                        | 48                    | 6,526                         | 1,908                                  | 0.025 | 135.96  | 3.42   | 1.021 | 0.99992 |
| 4173              | 4                    | 5.04                        | 703                   | 13,980                        | 697                                    | 1.009 | 19.89   | 20.06  | 1.009 | 0.99955 |
| 4211              | 2                    | 2.45                        | 168                   | 12,252                        | 814                                    | 0.206 | 72.93   | 15.05  | 1.000 | 0.99966 |
| 4212              | 1                    | 2.72                        | 1                     | 163                           | 1,107                                  | 0.001 | 163.00  | 0.15   | 1.000 | 0.99999 |
| 4222              | 3                    | 8.90                        | 94                    | 30,710                        | 1,092                                  | 0.086 | 326.70  | 28.12  | 1.022 | 0.99937 |
| 4223              | 2                    | 1.82                        | 34                    | 1,814                         | 1,145                                  | 0.030 | 53.35   | 1.58   | 1.000 | 0.99996 |
| 4224              | 1                    | 1.93                        | 1                     | 116                           | 784                                    | 0.001 | 116.00  | 0.15   | 1.000 | 0.99999 |
| 4302              | 1                    | 4.42                        | 106                   | 28,164                        | 674                                    | 0.157 | 265.70  | 41.79  | 1.000 | 0.99906 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI   | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|---------|-------|---------|
| 4303              | 2                    | 1.66                        | 104                   | 5,391                         | 1,408                                  | 0.074 | 51.84   | 3.83    | 1.000 | 0.99991 |
| 4304              | 1                    | 2.85                        | 1                     | 171                           | 246                                    | 0.004 | 171.00  | 0.70    | 1.000 | 0.99998 |
| 4311              | 1                    | 0.62                        | 36                    | 1,352                         | 764                                    | 0.047 | 37.56   | 1.77    | 1.000 | 0.99996 |
| 4313              | 2                    | 8.10                        | 559                   | 59,036                        | 562                                    | 0.995 | 105.61  | 105.05  | 1.005 | 0.99765 |
| 4322              | 2                    | 18.07                       | 2                     | 1,084                         | 351                                    | 0.006 | 542.00  | 3.09    | 1.000 | 0.99993 |
| 4323              | 2                    | 16.88                       | 25                    | 23,222                        | 307                                    | 0.081 | 928.88  | 75.64   | 1.042 | 0.99831 |
| 4333              | 3                    | 16.68                       | 761                   | 475,736                       | 756                                    | 1.007 | 625.15  | 629.28  | 1.007 | 0.98590 |
| 4341              | 10                   | 153.05                      | 620                   | 814,937                       | 1,879                                  | 0.330 | 1314.41 | 433.71  | 1.554 | 0.99028 |
| 4342              | 7                    | 138.40                      | 354                   | 251,160                       | 803                                    | 0.441 | 709.49  | 312.78  | 1.229 | 0.99299 |
| 4343              | 8                    | 155.30                      | 273                   | 347,957                       | 1,710                                  | 0.160 | 1274.57 | 203.48  | 1.365 | 0.99544 |
| 4344              | 18                   | 314.57                      | 362                   | 427,944                       | 372                                    | 0.973 | 1182.17 | 1150.39 | 1.508 | 0.97423 |
| 4361              | 5                    | 11.35                       | 137                   | 21,594                        | 1,708                                  | 0.080 | 157.62  | 12.64   | 1.062 | 0.99972 |
| 4362              | 2                    | 3.76                        | 2                     | 226                           | 847                                    | 0.002 | 113.00  | 0.27    | 1.000 | 0.99999 |
| 4364              | 5                    | 16.17                       | 73                    | 11,881                        | 874                                    | 0.084 | 162.75  | 13.59   | 1.043 | 0.99970 |
| 4371              | 14                   | 164.82                      | 1,985                 | 830,908                       | 1,591                                  | 1.248 | 418.59  | 522.26  | 1.248 | 0.98830 |
| 4372              | 5                    | 142.02                      | 5                     | 8,521                         | 442                                    | 0.011 | 1704.20 | 19.28   | 1.000 | 0.99957 |
| 4373              | 6                    | 110.23                      | 36                    | 36,144                        | 801                                    | 0.045 | 1004.00 | 45.12   | 1.125 | 0.99899 |
| 4385              | 3                    | 14.05                       | 1,165                 | 481,097                       | 1,163                                  | 1.002 | 412.96  | 413.67  | 1.002 | 0.99073 |
| 4431              | 7                    | 23.12                       | 85                    | 20,087                        | 1,451                                  | 0.059 | 236.32  | 13.84   | 1.037 | 0.99969 |
| 4432              | 1                    | 1.82                        | 6                     | 655                           | 488                                    | 0.012 | 109.17  | 1.34    | 1.000 | 0.99997 |
| 4511              | 4                    | 3.83                        | 1,197                 | 84,002                        | 1,149                                  | 1.042 | 70.18   | 73.11   | 1.042 | 0.99836 |
| 4601              | 1                    | 1.18                        | 1                     | 71                            | 412                                    | 0.002 | 71.00   | 0.17    | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 4602              | 8                    | 92.65                       | 96                    | 27,187                        | 988                                    | 0.097 | 283.20  | 27.52  | 1.116 | 0.99938 |
| 4692              | 3                    | 9.37                        | 332                   | 74,519                        | 508                                    | 0.654 | 224.45  | 146.69 | 1.000 | 0.99671 |
| 4712              | 1                    | 4.60                        | 14                    | 3,871                         | 136                                    | 0.103 | 276.50  | 28.46  | 1.000 | 0.99936 |
| 4714              | 3                    | 16.87                       | 68                    | 3,579                         | 361                                    | 0.188 | 52.63   | 9.91   | 1.030 | 0.99978 |
| 4784              | 4                    | 122.67                      | 25                    | 52,853                        | 404                                    | 0.062 | 2114.12 | 130.82 | 1.786 | 0.99707 |
| 4791              | 6                    | 20.73                       | 69                    | 16,267                        | 642                                    | 0.107 | 235.75  | 25.34  | 1.095 | 0.99943 |
| 4891              | 1                    | 1.05                        | 9                     | 575                           | 602                                    | 0.015 | 63.89   | 0.96   | 1.000 | 0.99998 |
| 4892              | 1                    | 1.67                        | 1                     | 100                           | 334                                    | 0.003 | 100.00  | 0.30   | 1.000 | 0.99999 |
| 4902              | 6                    | 15.82                       | 45                    | 2,458                         | 1,226                                  | 0.037 | 54.62   | 2.00   | 1.098 | 0.99996 |
| 4905              | 2                    | 3.88                        | 408                   | 72,332                        | 408                                    | 1.000 | 177.28  | 177.28 | 1.002 | 0.99603 |
| 4906              | 1                    | 2.90                        | 1,324                 | 231,457                       | 1,324                                  | 1.000 | 174.82  | 174.82 | 1.000 | 0.99608 |
| 4907              | 2                    | 8.81                        | 85                    | 14,662                        | 84                                     | 1.012 | 172.49  | 174.55 | 1.012 | 0.99609 |
| 5601              | 11                   | 27.67                       | 1,644                 | 98,141                        | 1,319                                  | 1.246 | 59.70   | 74.41  | 1.246 | 0.99491 |
| 5602              | 5                    | 15.55                       | 56                    | 8,809                         | 720                                    | 0.078 | 157.30  | 12.23  | 1.000 | 0.99973 |
| 5603              | 5                    | 10.06                       | 101                   | 17,175                        | 1,532                                  | 0.066 | 170.05  | 11.21  | 1.052 | 0.99975 |
| 5902              | 4                    | 5.35                        | 4                     | 321                           | 978                                    | 0.004 | 80.25   | 0.33   | 1.000 | 0.99999 |
| 5904              | 4                    | 3.69                        | 50                    | 1,563                         | 1,310                                  | 0.038 | 31.26   | 1.19   | 1.042 | 0.99997 |
| 5905              | 2                    | 4.20                        | 9                     | 1,484                         | 1,975                                  | 0.005 | 164.89  | 0.75   | 1.000 | 0.99998 |
| 6021              | 7                    | 50.58                       | 42                    | 51,389                        | 1,384                                  | 0.030 | 1223.55 | 37.13  | 1.200 | 0.99917 |
| 6023              | 1                    | 0.52                        | 6                     | 190                           | 131                                    | 0.046 | 31.67   | 1.45   | 1.000 | 0.99997 |
| 6142              | 1                    | 1.53                        | 1                     | 92                            | 340                                    | 0.003 | 92.00   | 0.27   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 821                  | 7,892.43                    | 76,535                | 28,606,274                    | 176,994                                | 0.432 | 373.77 | 161.62 | 1.430 | 0.99638 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
8/1/2023 to 8/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 1050              | 1                    | 4.40                        | 1                     | 264                           | 1,840                                  | 0.001 | 264.00  | 0.14   | 1.000 | 0.99999 |
| 1051              | 3                    | 10.90                       | 46                    | 5,667                         | 562                                    | 0.082 | 123.20  | 10.08  | 1.095 | 0.99977 |
| 1082              | 23                   | 50.54                       | 133                   | 23,270                        | 1,437                                  | 0.093 | 174.96  | 16.19  | 1.147 | 0.99964 |
| 1091              | 1                    | 3.68                        | 5                     | 1,105                         | 844                                    | 0.006 | 221.00  | 1.31   | 1.000 | 0.99997 |
| 1092              | 4                    | 3.20                        | 4                     | 192                           | 1,060                                  | 0.004 | 48.00   | 0.18   | 1.000 | 0.99999 |
| 1093              | 1                    | 1.17                        | 3                     | 211                           | 238                                    | 0.013 | 70.33   | 0.89   | 1.000 | 0.99998 |
| 1094              | 3                    | 5.47                        | 70                    | 16,639                        | 1,394                                  | 0.050 | 237.70  | 11.94  | 1.045 | 0.99973 |
| 1102              | 1                    | 0.78                        | 3                     | 141                           | 1,130                                  | 0.003 | 47.00   | 0.12   | 1.000 | 0.99999 |
| 1103              | 1                    | 1.30                        | 1                     | 78                            | 1,029                                  | 0.001 | 78.00   | 0.08   | 1.000 | 0.99999 |
| 1104              | 2                    | 9.23                        | 167                   | 34,254                        | 204                                    | 0.819 | 205.11  | 167.91 | 1.265 | 0.99624 |
| 1141              | 3                    | 58.25                       | 3                     | 3,495                         | 921                                    | 0.003 | 1165.00 | 3.79   | 1.000 | 0.99991 |
| 1211              | 4                    | 3.37                        | 112                   | 5,828                         | 1,526                                  | 0.073 | 52.04   | 3.82   | 1.204 | 0.99991 |
| 1213              | 1                    | 0.88                        | 3                     | 160                           | 581                                    | 0.005 | 53.33   | 0.28   | 1.000 | 0.99999 |
| 1230              | 3                    | 5.28                        | 1,186                 | 149,999                       | 1,174                                  | 1.010 | 126.47  | 127.77 | 1.012 | 0.99714 |
| 1232              | 3                    | 6.39                        | 1,241                 | 136,564                       | 1,239                                  | 1.002 | 110.04  | 110.22 | 1.002 | 0.99753 |
| 1233              | 1                    | 2.15                        | 746                   | 96,457                        | 746                                    | 1.000 | 129.30  | 129.30 | 1.000 | 0.99710 |
| 1241              | 2                    | 2.40                        | 2                     | 144                           | 901                                    | 0.002 | 72.00   | 0.16   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1243              | 6                    | 26.92                       | 161                   | 20,634                        | 1,262                                  | 0.128 | 128.16 | 16.35  | 1.019 | 0.99963 |
| 1271              | 5                    | 13.80                       | 99                    | 34,196                        | 1,008                                  | 0.098 | 345.41 | 33.92  | 1.042 | 0.99924 |
| 1281              | 1                    | 4.53                        | 14                    | 3,812                         | 178                                    | 0.079 | 272.29 | 21.42  | 1.000 | 0.99952 |
| 1282              | 1                    | 0.92                        | 1                     | 55                            | 711                                    | 0.001 | 55.00  | 0.08   | 1.000 | 0.99999 |
| 1285              | 1                    | 5.97                        | 1                     | 358                           | 1,136                                  | 0.001 | 358.00 | 0.32   | 1.000 | 0.99999 |
| 1286              | 1                    | 2.70                        | 1                     | 162                           | 76                                     | 0.013 | 162.00 | 2.13   | 1.000 | 0.99995 |
| 1311              | 3                    | 2.84                        | 3                     | 171                           | 289                                    | 0.010 | 57.00  | 0.59   | 1.000 | 0.99999 |
| 1312              | 3                    | 2.39                        | 3                     | 143                           | 1,001                                  | 0.003 | 47.67  | 0.14   | 1.000 | 0.99999 |
| 1452              | 1                    | 2.53                        | 49                    | 7,452                         | 475                                    | 0.103 | 152.08 | 15.69  | 1.000 | 0.99965 |
| 1453              | 1                    | 0.78                        | 1                     | 47                            | 1,851                                  | 0.001 | 47.00  | 0.03   | 1.000 | 0.99999 |
| 1454              | 2                    | 1.68                        | 2                     | 101                           | 970                                    | 0.002 | 50.50  | 0.10   | 1.000 | 0.99999 |
| 1523              | 1                    | 6.47                        | 1                     | 388                           | 782                                    | 0.001 | 388.00 | 0.50   | 1.000 | 0.99999 |
| 1841              | 3                    | 5.90                        | 3                     | 354                           | 654                                    | 0.005 | 118.00 | 0.54   | 1.000 | 0.99999 |
| 1843              | 5                    | 8.20                        | 23                    | 1,505                         | 1,152                                  | 0.020 | 65.43  | 1.31   | 1.045 | 0.99997 |
| 2051              | 2                    | 3.42                        | 17                    | 1,803                         | 215                                    | 0.079 | 106.06 | 8.39   | 1.000 | 0.99981 |
| 2052              | 2                    | 3.89                        | 2                     | 233                           | 88                                     | 0.023 | 116.50 | 2.65   | 1.000 | 0.99994 |
| 2091              | 3                    | 4.64                        | 4                     | 381                           | 954                                    | 0.004 | 95.25  | 0.40   | 1.000 | 0.99999 |
| 2092              | 1                    | 2.77                        | 1                     | 166                           | 969                                    | 0.001 | 166.00 | 0.17   | 1.000 | 0.99999 |
| 2171              | 2                    | 3.42                        | 10                    | 566                           | 604                                    | 0.017 | 56.60  | 0.94   | 1.000 | 0.99998 |
| 2211              | 1                    | 1.30                        | 36                    | 2,801                         | 749                                    | 0.048 | 77.81  | 3.74   | 1.000 | 0.99992 |
| 2212              | 7                    | 17.06                       | 27                    | 5,530                         | 1,480                                  | 0.018 | 204.81 | 3.74   | 1.080 | 0.99992 |
| 2511              | 5                    | 7.12                        | 844                   | 98,014                        | 631                                    | 1.338 | 116.13 | 155.33 | 1.338 | 0.99652 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 2621              | 16                   | 92.04                       | 94                    | 19,535                        | 1,210                                  | 0.078 | 207.82  | 16.14  | 1.119 | 0.99964 |
| 2622              | 3                    | 4.37                        | 121                   | 10,754                        | 122                                    | 0.992 | 88.88   | 88.15  | 1.052 | 0.99803 |
| 2921              | 1                    | 1.02                        | 5                     | 309                           | 406                                    | 0.012 | 61.80   | 0.76   | 1.000 | 0.99998 |
| 2951              | 13                   | 35.38                       | 267                   | 47,395                        | 1,278                                  | 0.209 | 177.51  | 37.09  | 1.027 | 0.99917 |
| 2952              | 1                    | 1.23                        | 1                     | 74                            | 389                                    | 0.003 | 74.00   | 0.19   | 1.000 | 0.99999 |
| 2961              | 2                    | 2.58                        | 2                     | 155                           | 660                                    | 0.003 | 77.50   | 0.23   | 2.000 | 0.99999 |
| 3121              | 4                    | 12.38                       | 34                    | 18,650                        | 1,168                                  | 0.029 | 548.53  | 15.97  | 1.097 | 0.99964 |
| 3122              | 5                    | 54.77                       | 19                    | 4,189                         | 901                                    | 0.021 | 220.47  | 4.65   | 1.267 | 0.99990 |
| 3123              | 1                    | 0.68                        | 1                     | 41                            | 1,152                                  | 0.001 | 41.00   | 0.04   | 1.000 | 0.99999 |
| 3181              | 1                    | 0.87                        | 29                    | 1,526                         | 780                                    | 0.037 | 52.62   | 1.96   | 1.000 | 0.99996 |
| 3221              | 3                    | 3.68                        | 77                    | 4,477                         | 1,303                                  | 0.059 | 58.14   | 3.44   | 1.013 | 0.99992 |
| 3222              | 3                    | 3.64                        | 9                     | 625                           | 808                                    | 0.011 | 69.44   | 0.77   | 1.000 | 0.99998 |
| 3301              | 4                    | 61.10                       | 4                     | 3,666                         | 773                                    | 0.005 | 916.50  | 4.74   | 1.000 | 0.99989 |
| 3302              | 1                    | 1.95                        | 1                     | 117                           | 717                                    | 0.001 | 117.00  | 0.16   | 1.000 | 0.99999 |
| 3304              | 1                    | 20.93                       | 38                    | 47,734                        | 1,192                                  | 0.032 | 1256.16 | 40.05  | 1.000 | 0.99910 |
| 3311              | 10                   | 81.53                       | 127                   | 37,226                        | 559                                    | 0.227 | 293.12  | 66.59  | 1.380 | 0.99851 |
| 3313              | 3                    | 0.58                        | 3                     | 35                            | 1,565                                  | 0.002 | 11.67   | 0.02   | 1.000 | 0.99999 |
| 3315              | 5                    | 24.94                       | 1,749                 | 167,504                       | 1,625                                  | 1.076 | 95.77   | 103.08 | 1.076 | 0.99769 |
| 3422              | 1                    | 1.83                        | 470                   | 51,764                        | 1,015                                  | 0.463 | 110.00  | 51.00  | 1.000 | 0.99886 |
| 3423              | 2                    | 7.73                        | 2                     | 464                           | 407                                    | 0.005 | 232.00  | 1.14   | 1.000 | 0.99997 |
| 3471              | 1                    | 4.78                        | 18                    | 5,167                         | 507                                    | 0.036 | 287.06  | 10.19  | 1.000 | 0.99977 |
| 3472              | 7                    | 13.83                       | 104                   | 8,937                         | 1,356                                  | 0.077 | 85.93   | 6.59   | 1.030 | 0.99985 |
| 3552              | 1                    | 2.13                        | 1                     | 128                           | 591                                    | 0.002 | 128.00  | 0.22   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3592              | 5                    | 35.46                       | 32                    | 4,321                         | 1,850                                  | 0.017 | 135.03 | 2.34  | 1.000 | 0.99995 |
| 3593              | 4                    | 19.07                       | 99                    | 26,933                        | 951                                    | 0.104 | 272.05 | 28.32 | 1.000 | 0.99937 |
| 3621              | 3                    | 4.90                        | 450                   | 63,716                        | 1,660                                  | 0.271 | 141.59 | 38.38 | 1.004 | 0.99914 |
| 3661              | 3                    | 2.58                        | 5                     | 215                           | 1,121                                  | 0.004 | 43.00  | 0.19  | 1.000 | 0.99999 |
| 3662              | 4                    | 2.73                        | 71                    | 2,536                         | 906                                    | 0.078 | 35.72  | 2.80  | 1.029 | 0.99994 |
| 3663              | 2                    | 1.91                        | 2                     | 115                           | 322                                    | 0.006 | 57.50  | 0.36  | 1.000 | 0.99999 |
| 3664              | 7                    | 9.15                        | 128                   | 10,597                        | 595                                    | 0.215 | 82.79  | 17.81 | 1.067 | 0.99960 |
| 3691              | 1                    | 0.78                        | 3                     | 142                           | 406                                    | 0.007 | 47.33  | 0.35  | 1.000 | 0.99999 |
| 3694              | 1                    | 0.53                        | 1                     | 32                            | 550                                    | 0.002 | 32.00  | 0.06  | 1.000 | 0.99999 |
| 3702              | 1                    | 5.25                        | 14                    | 4,422                         | 745                                    | 0.019 | 315.86 | 5.94  | 1.000 | 0.99987 |
| 3751              | 3                    | 5.00                        | 942                   | 55,748                        | 940                                    | 1.002 | 59.18  | 59.31 | 1.002 | 0.99867 |
| 3871              | 1                    | 3.25                        | 1                     | 195                           | 1,104                                  | 0.001 | 195.00 | 0.18  | 1.000 | 0.99999 |
| 3872              | 4                    | 31.88                       | 202                   | 39,440                        | 1,227                                  | 0.165 | 195.25 | 32.14 | 1.174 | 0.99928 |
| 3873              | 3                    | 1.55                        | 46                    | 1,095                         | 826                                    | 0.056 | 23.80  | 1.33  | 1.022 | 0.99997 |
| 3878              | 6                    | 24.44                       | 121                   | 46,424                        | 871                                    | 0.139 | 383.67 | 53.30 | 1.017 | 0.99881 |
| 3892              | 1                    | 1.03                        | 1                     | 62                            | 560                                    | 0.002 | 62.00  | 0.11  | 1.000 | 0.99999 |
| 3902              | 3                    | 3.52                        | 3                     | 211                           | 99                                     | 0.030 | 70.33  | 2.13  | 1.500 | 0.99995 |
| 3903              | 1                    | 1.17                        | 1                     | 70                            | 318                                    | 0.003 | 70.00  | 0.22  | 1.000 | 0.99999 |
| 3912              | 2                    | 1.64                        | 120                   | 5,994                         | 1,437                                  | 0.084 | 49.95  | 4.17  | 1.034 | 0.99991 |
| 3913              | 5                    | 17.36                       | 80                    | 11,305                        | 988                                    | 0.081 | 141.31 | 11.44 | 1.111 | 0.99974 |
| 3951              | 3                    | 3.16                        | 3                     | 190                           | 974                                    | 0.003 | 63.33  | 0.20  | 1.000 | 0.99999 |
| 3952              | 5                    | 7.79                        | 26                    | 1,984                         | 929                                    | 0.028 | 76.31  | 2.14  | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 3971              | 3                    | 2.00                        | 3                     | 120                           | 709                                    | 0.004 | 40.00   | 0.17   | 1.000 | 0.99999 |
| 3981              | 3                    | 3.19                        | 25                    | 456                           | 1,601                                  | 0.016 | 18.24   | 0.28   | 1.087 | 0.99999 |
| 3982              | 3                    | 11.37                       | 277                   | 29,653                        | 1,841                                  | 0.150 | 107.05  | 16.11  | 1.018 | 0.99964 |
| 3991              | 9                    | 18.50                       | 478                   | 99,784                        | 773                                    | 0.618 | 208.75  | 129.09 | 1.065 | 0.99711 |
| 4091              | 4                    | 7.55                        | 1,277                 | 140,742                       | 1,222                                  | 1.045 | 110.21  | 115.17 | 1.045 | 0.99742 |
| 4092              | 1                    | 2.25                        | 468                   | 63,484                        | 468                                    | 1.000 | 135.65  | 135.65 | 1.000 | 0.99696 |
| 4101              | 2                    | 17.88                       | 3                     | 1,517                         | 993                                    | 0.003 | 505.67  | 1.53   | 1.000 | 0.99997 |
| 4133              | 1                    | 0.73                        | 34                    | 1,503                         | 706                                    | 0.048 | 44.21   | 2.13   | 1.000 | 0.99995 |
| 4134              | 2                    | 2.68                        | 20                    | 1,630                         | 894                                    | 0.022 | 81.50   | 1.82   | 1.000 | 0.99996 |
| 4137              | 1                    | 0.87                        | 35                    | 1,824                         | 823                                    | 0.043 | 52.11   | 2.22   | 1.000 | 0.99995 |
| 4138              | 1                    | 5.30                        | 1                     | 318                           | 752                                    | 0.001 | 318.00  | 0.42   | 1.000 | 0.99999 |
| 4141              | 1                    | 4.45                        | 86                    | 22,983                        | 86                                     | 1.000 | 267.24  | 267.24 | 1.000 | 0.99401 |
| 4142              | 2                    | 6.17                        | 626                   | 176,952                       | 625                                    | 1.002 | 282.67  | 283.12 | 1.002 | 0.99366 |
| 4152              | 1                    | 6.92                        | 35                    | 14,535                        | 1,297                                  | 0.027 | 415.29  | 11.21  | 1.000 | 0.99975 |
| 4153              | 8                    | 57.42                       | 84                    | 30,421                        | 1,250                                  | 0.067 | 362.15  | 24.34  | 1.024 | 0.99945 |
| 4154              | 2                    | 3.15                        | 204                   | 13,309                        | 1,483                                  | 0.138 | 65.24   | 8.97   | 1.005 | 0.99980 |
| 4155              | 3                    | 18.27                       | 45                    | 13,525                        | 1,759                                  | 0.026 | 300.56  | 7.69   | 1.154 | 0.99983 |
| 4171              | 2                    | 1.21                        | 26                    | 994                           | 1,218                                  | 0.021 | 38.23   | 0.82   | 1.000 | 0.99998 |
| 4172              | 6                    | 9.87                        | 10                    | 1,128                         | 1,908                                  | 0.005 | 112.80  | 0.59   | 1.000 | 0.99999 |
| 4181              | 2                    | 3.69                        | 12                    | 1,633                         | 802                                    | 0.015 | 136.08  | 2.04   | 1.000 | 0.99995 |
| 4211              | 2                    | 1.63                        | 11                    | 577                           | 822                                    | 0.013 | 52.45   | 0.70   | 1.000 | 0.99998 |
| 4212              | 2                    | 41.20                       | 2                     | 2,472                         | 1,113                                  | 0.002 | 1236.00 | 2.22   | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 4222              | 2                    | 0.72                        | 45                    | 771                           | 1,098                                  | 0.041 | 17.13   | 0.70   | 1.000 | 0.99998 |
| 4223              | 3                    | 11.54                       | 123                   | 44,139                        | 1,147                                  | 0.107 | 358.85  | 38.48  | 1.139 | 0.99914 |
| 4303              | 4                    | 20.77                       | 31                    | 11,511                        | 1,421                                  | 0.022 | 371.32  | 8.10   | 1.033 | 0.99982 |
| 4313              | 2                    | 1.57                        | 2                     | 94                            | 563                                    | 0.004 | 47.00   | 0.17   | 1.000 | 0.99999 |
| 4326              | 6                    | 12.56                       | 11                    | 1,443                         | 340                                    | 0.032 | 131.18  | 4.24   | 1.000 | 0.99990 |
| 4331              | 1                    | 28.08                       | 1                     | 1,685                         | 342                                    | 0.003 | 1685.00 | 4.93   | 1.000 | 0.99989 |
| 4332              | 2                    | 4.92                        | 424                   | 103,403                       | 423                                    | 1.002 | 243.88  | 244.45 | 1.002 | 0.99452 |
| 4333              | 2                    | 2.93                        | 241                   | 25,995                        | 760                                    | 0.317 | 107.86  | 34.20  | 1.004 | 0.99923 |
| 4341              | 3                    | 52.63                       | 10                    | 3,720                         | 1,897                                  | 0.005 | 372.00  | 1.96   | 1.111 | 0.99996 |
| 4342              | 2                    | 1.00                        | 32                    | 425                           | 806                                    | 0.040 | 13.28   | 0.53   | 1.000 | 0.99999 |
| 4343              | 4                    | 28.26                       | 140                   | 25,276                        | 1,720                                  | 0.081 | 180.54  | 14.70  | 1.022 | 0.99967 |
| 4344              | 4                    | 45.95                       | 52                    | 41,367                        | 372                                    | 0.140 | 795.52  | 111.20 | 1.040 | 0.99751 |
| 4361              | 2                    | 7.90                        | 42                    | 17,171                        | 1,713                                  | 0.025 | 408.83  | 10.02  | 1.000 | 0.99978 |
| 4363              | 1                    | 1.98                        | 1                     | 119                           | 712                                    | 0.001 | 119.00  | 0.17   | 1.000 | 0.99999 |
| 4364              | 2                    | 4.63                        | 2                     | 278                           | 881                                    | 0.002 | 139.00  | 0.32   | 1.000 | 0.99999 |
| 4371              | 7                    | 13.23                       | 10                    | 1,059                         | 1,591                                  | 0.006 | 105.90  | 0.67   | 1.000 | 0.99999 |
| 4372              | 4                    | 4.29                        | 23                    | 1,702                         | 443                                    | 0.052 | 74.00   | 3.84   | 1.095 | 0.99991 |
| 4373              | 4                    | 28.93                       | 4                     | 1,736                         | 808                                    | 0.005 | 434.00  | 2.15   | 1.333 | 0.99995 |
| 4385              | 1                    | 4.13                        | 1                     | 248                           | 1,163                                  | 0.001 | 248.00  | 0.21   | 1.000 | 0.99999 |
| 4386              | 1                    | 0.57                        | 18                    | 619                           | 1,662                                  | 0.011 | 34.39   | 0.37   | 1.000 | 0.99999 |
| 4431              | 7                    | 13.29                       | 44                    | 5,053                         | 1,453                                  | 0.030 | 114.84  | 3.48   | 1.000 | 0.99992 |
| 4432              | 3                    | 6.61                        | 6                     | 615                           | 489                                    | 0.012 | 102.50  | 1.26   | 1.500 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4511              | 1                    | 1.18                        | 57                    | 4,047                         | 1,149                                  | 0.050 | 71.00  | 3.52   | 1.000 | 0.99992 |
| 4601              | 2                    | 4.45                        | 14                    | 1,863                         | 417                                    | 0.034 | 133.07 | 4.47   | 1.077 | 0.99990 |
| 4602              | 2                    | 2.42                        | 41                    | 2,788                         | 989                                    | 0.041 | 68.00  | 2.82   | 1.000 | 0.99994 |
| 4692              | 4                    | 10.91                       | 140                   | 23,196                        | 510                                    | 0.275 | 165.69 | 45.48  | 1.061 | 0.99898 |
| 4714              | 2                    | 1.80                        | 9                     | 532                           | 362                                    | 0.025 | 59.11  | 1.47   | 1.000 | 0.99997 |
| 4783              | 6                    | 13.65                       | 6                     | 819                           | 261                                    | 0.023 | 136.50 | 3.14   | 1.200 | 0.99993 |
| 4793              | 2                    | 2.45                        | 19                    | 1,286                         | 803                                    | 0.024 | 67.68  | 1.60   | 1.056 | 0.99996 |
| 4905              | 1                    | 1.08                        | 16                    | 1,050                         | 407                                    | 0.039 | 65.63  | 2.58   | 1.000 | 0.99994 |
| 4906              | 1                    | 1.78                        | 44                    | 4,719                         | 1,324                                  | 0.033 | 107.25 | 3.56   | 1.000 | 0.99992 |
| 5601              | 3                    | 2.75                        | 3                     | 165                           | 1,319                                  | 0.002 | 55.00  | 0.13   | 1.000 | 0.99999 |
| 5602              | 2                    | 2.99                        | 2                     | 179                           | 721                                    | 0.003 | 89.50  | 0.25   | 1.000 | 0.99999 |
| 5603              | 4                    | 4.92                        | 37                    | 4,509                         | 1,537                                  | 0.024 | 121.86 | 2.93   | 1.028 | 0.99993 |
| 5901              | 1                    | 0.87                        | 1                     | 52                            | 912                                    | 0.001 | 52.00  | 0.06   | 1.000 | 0.99999 |
| 5902              | 5                    | 9.76                        | 1,434                 | 107,592                       | 979                                    | 1.465 | 75.03  | 109.90 | 5.690 | 0.99754 |
| 5903              | 1                    | 1.78                        | 292                   | 31,470                        | 292                                    | 1.000 | 107.00 | 107.00 | 1.000 | 0.99760 |
| 5905              | 4                    | 8.00                        | 130                   | 10,958                        | 1,997                                  | 0.065 | 84.29  | 5.49   | 1.016 | 0.99988 |
| 6021              | 2                    | 3.15                        | 22                    | 3,109                         | 1,386                                  | 0.016 | 141.32 | 2.24   | 1.048 | 0.99995 |
| 6141              | 7                    | 15.41                       | 8                     | 1,091                         | 660                                    | 0.012 | 136.38 | 1.65   | 1.000 | 0.99996 |
| 6142              | 3                    | 14.93                       | 455                   | 108,336                       | 341                                    | 1.334 | 238.10 | 317.70 | 1.334 | 0.99288 |
| 6143              | 4                    | 6.18                        | 44                    | 3,485                         | 382                                    | 0.115 | 79.20  | 9.12   | 1.023 | 0.99980 |
| 6144              | 2                    | 1.07                        | 2                     | 64                            | 328                                    | 0.006 | 32.00  | 0.20   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 458                  | 1,547.47                    | 18,358                | 2,578,859                     | 179,066                                | 0.103 | 140.48 | 14.40 | 1.113 | 0.99968 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
9/1/2023 to 9/30/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1052              | 6                    | 14.21                       | 122                   | 15,666                        | 1,214                                  | 0.100 | 128.41 | 12.90  | 1.017 | 0.99970 |
| 1082              | 11                   | 19.96                       | 181                   | 20,598                        | 1,437                                  | 0.126 | 113.80 | 14.33  | 1.361 | 0.99967 |
| 1091              | 3                    | 4.62                        | 27                    | 3,026                         | 844                                    | 0.032 | 112.07 | 3.59   | 1.038 | 0.99992 |
| 1092              | 11                   | 26.74                       | 69                    | 15,212                        | 1,060                                  | 0.065 | 220.46 | 14.35  | 1.078 | 0.99967 |
| 1094              | 3                    | 4.51                        | 30                    | 4,570                         | 1,394                                  | 0.022 | 152.33 | 3.28   | 1.034 | 0.99992 |
| 1101              | 1                    | 1.02                        | 1                     | 61                            | 473                                    | 0.002 | 61.00  | 0.13   | 1.000 | 0.99999 |
| 1103              | 8                    | 8.96                        | 110                   | 7,174                         | 1,029                                  | 0.107 | 65.22  | 6.97   | 1.000 | 0.99984 |
| 1211              | 6                    | 15.18                       | 6                     | 911                           | 1,526                                  | 0.004 | 151.83 | 0.60   | 1.000 | 0.99999 |
| 1212              | 2                    | 2.40                        | 355                   | 31,179                        | 354                                    | 1.003 | 87.83  | 88.08  | 1.003 | 0.99796 |
| 1213              | 7                    | 11.72                       | 603                   | 55,759                        | 581                                    | 1.038 | 92.47  | 95.97  | 1.038 | 0.99778 |
| 1241              | 11                   | 25.23                       | 1,905                 | 244,327                       | 901                                    | 2.114 | 128.26 | 271.17 | 2.114 | 0.99372 |
| 1242              | 11                   | 33.71                       | 884                   | 66,784                        | 864                                    | 1.023 | 75.55  | 77.30  | 1.024 | 0.99821 |
| 1243              | 3                    | 6.97                        | 199                   | 43,502                        | 1,262                                  | 0.158 | 218.60 | 34.47  | 1.042 | 0.99920 |
| 1271              | 1                    | 0.80                        | 1                     | 48                            | 1,008                                  | 0.001 | 48.00  | 0.05   | 1.000 | 0.99999 |
| 1273              | 2                    | 3.32                        | 56                    | 4,776                         | 873                                    | 0.064 | 85.29  | 5.47   | 1.000 | 0.99987 |
| 1312              | 7                    | 23.75                       | 72                    | 21,013                        | 1,001                                  | 0.072 | 291.85 | 20.99  | 1.029 | 0.99951 |
| 1451              | 1                    | 0.55                        | 4                     | 132                           | 588                                    | 0.007 | 33.00  | 0.22   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1452              | 3                    | 4.13                        | 3                     | 248                           | 475                                    | 0.006 | 82.67  | 0.52   | 1.500 | 0.99999 |
| 1453              | 2                    | 2.15                        | 2                     | 129                           | 1,851                                  | 0.001 | 64.50  | 0.07   | 1.000 | 0.99999 |
| 1523              | 6                    | 17.91                       | 1,611                 | 95,333                        | 782                                    | 2.060 | 59.18  | 121.91 | 2.060 | 0.99718 |
| 1842              | 1                    | 0.65                        | 1                     | 39                            | 309                                    | 0.003 | 39.00  | 0.13   | 1.000 | 0.99999 |
| 1843              | 4                    | 6.45                        | 22                    | 1,455                         | 1,152                                  | 0.019 | 66.14  | 1.26   | 1.048 | 0.99997 |
| 2051              | 1                    | 8.02                        | 8                     | 3,851                         | 215                                    | 0.037 | 481.38 | 17.91  | 1.000 | 0.99959 |
| 2052              | 2                    | 2.42                        | 2                     | 145                           | 88                                     | 0.023 | 72.50  | 1.65   | 1.000 | 0.99996 |
| 2091              | 5                    | 14.48                       | 1,915                 | 420,085                       | 954                                    | 2.007 | 219.37 | 440.34 | 2.007 | 0.98981 |
| 2092              | 8                    | 21.81                       | 1,989                 | 447,467                       | 969                                    | 2.053 | 224.97 | 461.78 | 2.053 | 0.98931 |
| 2171              | 1                    | 3.47                        | 1                     | 208                           | 604                                    | 0.002 | 208.00 | 0.34   | 1.000 | 0.99999 |
| 2172              | 3                    | 7.26                        | 5                     | 716                           | 256                                    | 0.020 | 143.20 | 2.80   | 1.000 | 0.99994 |
| 2211              | 3                    | 2.05                        | 46                    | 2,082                         | 749                                    | 0.061 | 45.26  | 2.78   | 1.179 | 0.99994 |
| 2212              | 3                    | 5.68                        | 73                    | 11,097                        | 1,480                                  | 0.049 | 152.01 | 7.50   | 1.000 | 0.99983 |
| 2491              | 1                    | 1.53                        | 1                     | 92                            | 66                                     | 0.015 | 92.00  | 1.39   | 1.000 | 0.99997 |
| 2511              | 2                    | 2.62                        | 9                     | 695                           | 631                                    | 0.014 | 77.22  | 1.10   | 1.000 | 0.99997 |
| 2621              | 3                    | 5.71                        | 240                   | 8,199                         | 1,210                                  | 0.198 | 34.16  | 6.78   | 1.008 | 0.99984 |
| 2622              | 2                    | 5.42                        | 123                   | 14,532                        | 122                                    | 1.008 | 118.15 | 119.11 | 1.008 | 0.99724 |
| 2921              | 1                    | 0.97                        | 2                     | 116                           | 406                                    | 0.005 | 58.00  | 0.29   | 1.000 | 0.99999 |
| 2951              | 7                    | 11.89                       | 244                   | 22,823                        | 1,278                                  | 0.191 | 93.54  | 17.86  | 1.094 | 0.99959 |
| 2952              | 1                    | 2.07                        | 220                   | 27,423                        | 389                                    | 0.566 | 124.65 | 70.50  | 1.000 | 0.99837 |
| 2961              | 3                    | 5.69                        | 24                    | 1,709                         | 660                                    | 0.036 | 71.21  | 2.59   | 1.043 | 0.99994 |
| 3041              | 2                    | 8.18                        | 85                    | 25,221                        | 88                                     | 0.966 | 296.72 | 286.60 | 1.012 | 0.99337 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3121              | 3                    | 7.59                        | 6                     | 581                           | 1,168                                  | 0.005 | 96.83  | 0.50   | 1.000 | 0.99999 |
| 3122              | 3                    | 2.63                        | 6                     | 315                           | 901                                    | 0.007 | 52.50  | 0.35   | 1.200 | 0.99999 |
| 3123              | 2                    | 3.45                        | 3                     | 360                           | 1,152                                  | 0.003 | 120.00 | 0.31   | 1.000 | 0.99999 |
| 3181              | 7                    | 11.76                       | 45                    | 3,316                         | 780                                    | 0.058 | 73.69  | 4.25   | 1.364 | 0.99990 |
| 3221              | 4                    | 8.87                        | 66                    | 8,173                         | 1,303                                  | 0.051 | 123.83 | 6.27   | 1.031 | 0.99985 |
| 3222              | 4                    | 12.41                       | 14                    | 3,055                         | 808                                    | 0.017 | 218.21 | 3.78   | 1.000 | 0.99991 |
| 3304              | 2                    | 3.55                        | 1,193                 | 201,809                       | 1,192                                  | 1.001 | 169.16 | 169.30 | 1.001 | 0.99608 |
| 3311              | 3                    | 3.68                        | 21                    | 2,373                         | 559                                    | 0.038 | 113.00 | 4.25   | 1.050 | 0.99990 |
| 3315              | 6                    | 12.66                       | 36                    | 4,058                         | 1,625                                  | 0.022 | 112.72 | 2.50   | 1.440 | 0.99994 |
| 3421              | 1                    | 1.30                        | 1                     | 78                            | 313                                    | 0.003 | 78.00  | 0.25   | 1.000 | 0.99999 |
| 3422              | 3                    | 11.21                       | 587                   | 93,229                        | 1,015                                  | 0.578 | 158.82 | 91.85  | 3.646 | 0.99787 |
| 3423              | 1                    | 1.50                        | 3                     | 271                           | 407                                    | 0.007 | 90.33  | 0.67   | 1.000 | 0.99998 |
| 3471              | 1                    | 2.42                        | 3                     | 435                           | 507                                    | 0.006 | 145.00 | 0.86   | 1.000 | 0.99998 |
| 3472              | 4                    | 10.81                       | 83                    | 10,912                        | 1,356                                  | 0.061 | 131.47 | 8.05   | 1.012 | 0.99981 |
| 3551              | 6                    | 14.15                       | 89                    | 8,403                         | 1,053                                  | 0.085 | 94.42  | 7.98   | 1.023 | 0.99982 |
| 3552              | 2                    | 4.32                        | 592                   | 126,106                       | 591                                    | 1.002 | 213.02 | 213.38 | 1.002 | 0.99506 |
| 3553              | 5                    | 21.35                       | 36                    | 6,668                         | 892                                    | 0.040 | 185.22 | 7.48   | 1.030 | 0.99983 |
| 3591              | 1                    | 1.15                        | 34                    | 2,372                         | 1,633                                  | 0.021 | 69.76  | 1.45   | 1.000 | 0.99997 |
| 3592              | 2                    | 3.88                        | 5                     | 800                           | 1,850                                  | 0.003 | 160.00 | 0.43   | 1.000 | 0.99999 |
| 3621              | 4                    | 10.28                       | 1,788                 | 422,587                       | 1,660                                  | 1.077 | 236.35 | 254.57 | 1.096 | 0.99411 |
| 3662              | 2                    | 6.74                        | 2                     | 404                           | 906                                    | 0.002 | 202.00 | 0.45   | 1.000 | 0.99999 |
| 3664              | 4                    | 4.89                        | 36                    | 2,171                         | 595                                    | 0.061 | 60.31  | 3.65   | 1.029 | 0.99992 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3671              | 3                    | 8.18                        | 43                    | 4,383                         | 679                                    | 0.063 | 101.93 | 6.46  | 1.000 | 0.99985 |
| 3673              | 1                    | 1.42                        | 1                     | 85                            | 280                                    | 0.004 | 85.00  | 0.30  | 1.000 | 0.99999 |
| 3692              | 2                    | 0.79                        | 2                     | 47                            | 419                                    | 0.005 | 23.50  | 0.11  | 1.000 | 0.99999 |
| 3701              | 5                    | 6.68                        | 17                    | 1,314                         | 551                                    | 0.031 | 77.29  | 2.38  | 1.000 | 0.99994 |
| 3702              | 1                    | 0.47                        | 1                     | 28                            | 745                                    | 0.001 | 28.00  | 0.04  | 1.000 | 0.99999 |
| 3751              | 6                    | 11.29                       | 56                    | 5,142                         | 940                                    | 0.060 | 91.82  | 5.47  | 1.018 | 0.99987 |
| 3872              | 1                    | 0.72                        | 2                     | 86                            | 1,227                                  | 0.002 | 43.00  | 0.07  | 1.000 | 0.99999 |
| 3873              | 4                    | 5.04                        | 97                    | 6,716                         | 826                                    | 0.117 | 69.24  | 8.13  | 1.540 | 0.99981 |
| 3878              | 4                    | 5.04                        | 128                   | 11,487                        | 871                                    | 0.147 | 89.74  | 13.19 | 1.008 | 0.99969 |
| 3891              | 3                    | 11.94                       | 19                    | 1,304                         | 467                                    | 0.041 | 68.63  | 2.79  | 1.056 | 0.99994 |
| 3892              | 1                    | 0.83                        | 1                     | 50                            | 560                                    | 0.002 | 50.00  | 0.09  | 1.000 | 0.99999 |
| 3893              | 4                    | 7.87                        | 9                     | 1,108                         | 1,218                                  | 0.007 | 123.11 | 0.91  | 1.000 | 0.99998 |
| 3894              | 2                    | 1.72                        | 16                    | 808                           | 166                                    | 0.096 | 50.50  | 4.87  | 1.000 | 0.99989 |
| 3912              | 3                    | 2.07                        | 726                   | 16,123                        | 1,437                                  | 0.505 | 22.21  | 11.22 | 1.090 | 0.99974 |
| 3913              | 4                    | 6.74                        | 204                   | 18,068                        | 988                                    | 0.206 | 88.57  | 18.29 | 1.010 | 0.99958 |
| 3951              | 3                    | 5.29                        | 22                    | 1,308                         | 974                                    | 0.023 | 59.45  | 1.34  | 1.100 | 0.99997 |
| 3952              | 5                    | 5.05                        | 29                    | 1,650                         | 929                                    | 0.031 | 56.90  | 1.78  | 1.000 | 0.99996 |
| 3953              | 6                    | 7.46                        | 11                    | 2,017                         | 550                                    | 0.020 | 183.36 | 3.67  | 1.100 | 0.99992 |
| 3981              | 3                    | 4.07                        | 3                     | 244                           | 1,601                                  | 0.002 | 81.33  | 0.15  | 1.000 | 0.99999 |
| 3982              | 2                    | 1.20                        | 24                    | 680                           | 1,841                                  | 0.013 | 28.33  | 0.37  | 1.000 | 0.99999 |
| 3991              | 1                    | 1.77                        | 1                     | 106                           | 773                                    | 0.001 | 106.00 | 0.14  | 1.000 | 0.99999 |
| 4031              | 1                    | 6.33                        | 15                    | 5,701                         | 724                                    | 0.021 | 380.07 | 7.87  | 1.000 | 0.99982 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4092              | 2                    | 4.00                        | 469                   | 27,303                        | 468                                    | 1.002 | 58.22  | 58.34  | 1.002 | 0.99865 |
| 4101              | 6                    | 11.91                       | 1,026                 | 83,810                        | 993                                    | 1.033 | 81.69  | 84.40  | 1.033 | 0.99805 |
| 4102              | 3                    | 3.37                        | 3                     | 202                           | 564                                    | 0.005 | 67.33  | 0.36   | 1.000 | 0.99999 |
| 4132              | 4                    | 6.08                        | 4                     | 365                           | 575                                    | 0.007 | 91.25  | 0.63   | 1.000 | 0.99999 |
| 4133              | 2                    | 5.01                        | 707                   | 135,203                       | 706                                    | 1.001 | 191.23 | 191.51 | 1.001 | 0.99557 |
| 4134              | 2                    | 2.50                        | 895                   | 81,934                        | 894                                    | 1.001 | 91.55  | 91.65  | 1.001 | 0.99788 |
| 4137              | 1                    | 2.53                        | 1                     | 152                           | 823                                    | 0.001 | 152.00 | 0.18   | 1.000 | 0.99999 |
| 4141              | 1                    | 3.92                        | 1                     | 235                           | 86                                     | 0.012 | 235.00 | 2.73   | 1.000 | 0.99994 |
| 4142              | 2                    | 5.88                        | 38                    | 8,088                         | 625                                    | 0.061 | 212.84 | 12.94  | 1.000 | 0.99970 |
| 4151              | 2                    | 2.21                        | 12                    | 429                           | 175                                    | 0.069 | 35.75  | 2.45   | 1.091 | 0.99994 |
| 4152              | 1                    | 1.87                        | 1                     | 112                           | 1,297                                  | 0.001 | 112.00 | 0.09   | 1.000 | 0.99999 |
| 4171              | 2                    | 1.78                        | 2                     | 107                           | 1,218                                  | 0.002 | 53.50  | 0.09   | 1.000 | 0.99999 |
| 4172              | 8                    | 17.61                       | 301                   | 25,550                        | 1,908                                  | 0.158 | 84.88  | 13.39  | 1.394 | 0.99969 |
| 4173              | 2                    | 1.79                        | 464                   | 35,257                        | 697                                    | 0.666 | 75.98  | 50.58  | 1.002 | 0.99883 |
| 4212              | 1                    | 1.25                        | 1                     | 75                            | 1,113                                  | 0.001 | 75.00  | 0.07   | 1.000 | 0.99999 |
| 4222              | 2                    | 5.88                        | 18                    | 3,023                         | 1,098                                  | 0.016 | 167.94 | 2.75   | 1.000 | 0.99994 |
| 4223              | 2                    | 1.89                        | 18                    | 1,034                         | 1,147                                  | 0.016 | 57.44  | 0.90   | 1.000 | 0.99998 |
| 4224              | 1                    | 1.15                        | 1                     | 69                            | 783                                    | 0.001 | 69.00  | 0.09   | 1.000 | 0.99999 |
| 4302              | 1                    | 0.98                        | 1                     | 59                            | 676                                    | 0.001 | 59.00  | 0.09   | 1.000 | 0.99999 |
| 4303              | 8                    | 16.09                       | 53                    | 7,539                         | 1,421                                  | 0.037 | 142.25 | 5.31   | 1.178 | 0.99988 |
| 4311              | 1                    | 1.03                        | 1                     | 62                            | 763                                    | 0.001 | 62.00  | 0.08   | 1.000 | 0.99999 |
| 4313              | 4                    | 4.96                        | 887                   | 66,819                        | 563                                    | 1.575 | 75.33  | 118.68 | 1.640 | 0.99725 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4331              | 2                    | 2.82                        | 7                     | 633                           | 342                                    | 0.020 | 90.43  | 1.85   | 1.167 | 0.99996 |
| 4341              | 1                    | 0.98                        | 1                     | 59                            | 1,897                                  | 0.001 | 59.00  | 0.03   | 1.000 | 0.99999 |
| 4342              | 1                    | 3.18                        | 8                     | 1,535                         | 806                                    | 0.010 | 191.88 | 1.90   | 1.000 | 0.99996 |
| 4343              | 4                    | 9.05                        | 47                    | 8,665                         | 1,720                                  | 0.027 | 184.36 | 5.04   | 1.044 | 0.99988 |
| 4344              | 2                    | 4.85                        | 66                    | 6,840                         | 372                                    | 0.177 | 103.64 | 18.39  | 1.031 | 0.99957 |
| 4361              | 4                    | 4.44                        | 152                   | 11,998                        | 1,713                                  | 0.089 | 78.93  | 7.00   | 1.020 | 0.99984 |
| 4364              | 4                    | 5.95                        | 26                    | 1,591                         | 881                                    | 0.030 | 61.19  | 1.81   | 1.130 | 0.99996 |
| 4371              | 4                    | 12.80                       | 4                     | 768                           | 1,591                                  | 0.003 | 192.00 | 0.48   | 1.000 | 0.99999 |
| 4372              | 2                    | 2.55                        | 2                     | 153                           | 443                                    | 0.005 | 76.50  | 0.35   | 1.000 | 0.99999 |
| 4373              | 5                    | 7.35                        | 563                   | 67,792                        | 808                                    | 0.697 | 120.41 | 83.90  | 1.007 | 0.99806 |
| 4381              | 1                    | 0.88                        | 1                     | 53                            | 8                                      | 0.125 | 53.00  | 6.63   | 1.000 | 0.99985 |
| 4383              | 1                    | 1.45                        | 1                     | 87                            | 150                                    | 0.007 | 87.00  | 0.58   | 1.000 | 0.99999 |
| 4385              | 1                    | 1.77                        | 1,163                 | 124,189                       | 1,163                                  | 1.000 | 106.78 | 106.78 | 1.000 | 0.99753 |
| 4431              | 7                    | 17.08                       | 1,458                 | 183,111                       | 1,453                                  | 1.003 | 125.59 | 126.02 | 1.248 | 0.99708 |
| 4432              | 9                    | 21.13                       | 529                   | 41,607                        | 489                                    | 1.082 | 78.65  | 85.09  | 2.019 | 0.99803 |
| 4511              | 6                    | 23.65                       | 12                    | 3,056                         | 1,149                                  | 0.010 | 254.67 | 2.66   | 1.000 | 0.99994 |
| 4601              | 3                    | 8.21                        | 47                    | 5,694                         | 417                                    | 0.113 | 121.15 | 13.65  | 1.000 | 0.99968 |
| 4602              | 2                    | 8.30                        | 49                    | 11,348                        | 989                                    | 0.050 | 231.59 | 11.47  | 1.000 | 0.99973 |
| 4692              | 1                    | 7.33                        | 451                   | 198,605                       | 510                                    | 0.884 | 440.37 | 389.42 | 1.000 | 0.99099 |
| 4693              | 1                    | 3.05                        | 22                    | 4,043                         | 174                                    | 0.126 | 183.77 | 23.24  | 1.000 | 0.99946 |
| 4712              | 1                    | 1.20                        | 1                     | 72                            | 138                                    | 0.007 | 72.00  | 0.52   | 1.000 | 0.99999 |
| 4714              | 4                    | 14.61                       | 46                    | 11,680                        | 362                                    | 0.127 | 253.91 | 32.27  | 1.438 | 0.99925 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4791              | 3                    | 5.00                        | 42                    | 2,694                         | 650                                    | 0.065 | 64.14  | 4.14  | 1.024 | 0.99990 |
| 4891              | 1                    | 1.98                        | 9                     | 1,079                         | 605                                    | 0.015 | 119.89 | 1.78  | 1.000 | 0.99996 |
| 4892              | 1                    | 2.17                        | 1                     | 130                           | 336                                    | 0.003 | 130.00 | 0.39  | 1.000 | 0.99999 |
| 4906              | 1                    | 1.08                        | 40                    | 2,618                         | 1,324                                  | 0.030 | 65.45  | 1.98  | 1.000 | 0.99995 |
| 5601              | 3                    | 2.10                        | 7                     | 326                           | 1,319                                  | 0.005 | 46.57  | 0.25  | 1.167 | 0.99999 |
| 5602              | 4                    | 1.93                        | 27                    | 857                           | 721                                    | 0.037 | 31.74  | 1.19  | 1.038 | 0.99997 |
| 5603              | 6                    | 7.81                        | 70                    | 5,472                         | 1,537                                  | 0.046 | 78.17  | 3.56  | 1.045 | 0.99992 |
| 5902              | 4                    | 4.22                        | 79                    | 5,165                         | 979                                    | 0.081 | 65.38  | 5.28  | 1.000 | 0.99988 |
| 5903              | 1                    | 1.77                        | 1                     | 106                           | 292                                    | 0.003 | 106.00 | 0.36  | 1.000 | 0.99999 |
| 5904              | 1                    | 1.87                        | 1                     | 112                           | 1,312                                  | 0.001 | 112.00 | 0.09  | 1.000 | 0.99999 |
| 6021              | 2                    | 2.19                        | 67                    | 7,440                         | 1,386                                  | 0.048 | 111.04 | 5.37  | 1.015 | 0.99988 |
| 6023              | 1                    | 1.40                        | 6                     | 504                           | 131                                    | 0.046 | 84.00  | 3.85  | 1.000 | 0.99991 |
| 6141              | 4                    | 10.80                       | 38                    | 17,718                        | 660                                    | 0.058 | 466.26 | 26.85 | 1.000 | 0.99938 |
| 6142              | 2                    | 3.46                        | 8                     | 617                           | 341                                    | 0.023 | 77.13  | 1.81  | 1.143 | 0.99996 |
| 6143              | 1                    | 3.87                        | 1                     | 232                           | 382                                    | 0.003 | 232.00 | 0.61  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 452                  | 923.55                      | 27,284                | 3,801,411                     | 179,066                                | 0.152 | 139.33 | 21.23 | 1.252 | 0.99951 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
10/1/2023 to 10/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1050              | 6                    | 8.08                        | 24                    | 1,904                         | 1,840                                  | 0.013 | 79.33  | 1.03   | 1.000 | 0.99998 |
| 1052              | 1                    | 0.65                        | 75                    | 2,936                         | 1,214                                  | 0.062 | 39.15  | 2.42   | 1.000 | 0.99995 |
| 1082              | 6                    | 9.83                        | 64                    | 5,119                         | 1,437                                  | 0.045 | 79.98  | 3.56   | 1.016 | 0.99992 |
| 1092              | 3                    | 3.97                        | 12                    | 807                           | 1,060                                  | 0.011 | 67.25  | 0.76   | 1.091 | 0.99998 |
| 1094              | 4                    | 3.88                        | 185                   | 4,806                         | 1,394                                  | 0.133 | 25.98  | 3.45   | 1.005 | 0.99992 |
| 1102              | 3                    | 1.86                        | 40                    | 1,547                         | 1,130                                  | 0.035 | 38.68  | 1.37   | 1.000 | 0.99997 |
| 1211              | 4                    | 3.91                        | 55                    | 2,810                         | 1,526                                  | 0.036 | 51.09  | 1.84   | 1.375 | 0.99996 |
| 1213              | 2                    | 2.77                        | 7                     | 772                           | 581                                    | 0.012 | 110.29 | 1.33   | 1.000 | 0.99997 |
| 1230              | 1                    | 2.23                        | 1,174                 | 153,901                       | 1,174                                  | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 1231              | 1                    | 2.23                        | 5                     | 861                           | 5                                      | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 1241              | 1                    | 1.57                        | 18                    | 1,699                         | 901                                    | 0.020 | 94.39  | 1.89   | 1.000 | 0.99996 |
| 1243              | 1                    | 1.45                        | 29                    | 2,549                         | 1,262                                  | 0.023 | 87.90  | 2.02   | 1.000 | 0.99995 |
| 1271              | 8                    | 7.41                        | 21                    | 986                           | 1,008                                  | 0.021 | 46.95  | 0.98   | 1.105 | 0.99998 |
| 1283              | 1                    | 0.85                        | 1                     | 51                            | 360                                    | 0.003 | 51.00  | 0.14   | 1.000 | 0.99999 |
| 1285              | 1                    | 7.25                        | 13                    | 5,662                         | 1,136                                  | 0.011 | 435.54 | 4.98   | 1.000 | 0.99989 |
| 1311              | 2                    | 1.66                        | 6                     | 375                           | 289                                    | 0.021 | 62.50  | 1.30   | 1.000 | 0.99997 |
| 1312              | 2                    | 6.00                        | 18                    | 3,105                         | 1,001                                  | 0.018 | 172.50 | 3.10   | 1.000 | 0.99993 |
| 1451              | 2                    | 3.86                        | 2                     | 232                           | 588                                    | 0.003 | 116.00 | 0.39   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1453              | 3                    | 2.05                        | 161                   | 7,159                         | 1,851                                  | 0.087 | 44.47  | 3.87  | 1.353 | 0.99991 |
| 1454              | 2                    | 1.86                        | 7                     | 215                           | 970                                    | 0.007 | 30.71  | 0.22  | 1.000 | 0.99999 |
| 1455              | 1                    | 0.68                        | 1                     | 41                            | 426                                    | 0.002 | 41.00  | 0.10  | 1.000 | 0.99999 |
| 1521              | 1                    | 2.72                        | 1                     | 163                           | 395                                    | 0.003 | 163.00 | 0.41  | 1.000 | 0.99999 |
| 1842              | 1                    | 2.20                        | 2                     | 265                           | 309                                    | 0.006 | 132.50 | 0.86  | 1.000 | 0.99998 |
| 1843              | 1                    | 1.18                        | 22                    | 1,582                         | 1,152                                  | 0.019 | 71.91  | 1.37  | 1.000 | 0.99997 |
| 2051              | 1                    | 0.87                        | 9                     | 471                           | 215                                    | 0.042 | 52.33  | 2.19  | 1.000 | 0.99995 |
| 2091              | 1                    | 1.48                        | 1                     | 89                            | 954                                    | 0.001 | 89.00  | 0.09  | 1.000 | 0.99999 |
| 2092              | 1                    | 1.87                        | 30                    | 3,375                         | 969                                    | 0.031 | 112.50 | 3.48  | 1.000 | 0.99992 |
| 2171              | 1                    | 0.70                        | 1                     | 42                            | 604                                    | 0.002 | 42.00  | 0.07  | 1.000 | 0.99999 |
| 2211              | 3                    | 1.99                        | 55                    | 2,156                         | 749                                    | 0.073 | 39.20  | 2.88  | 1.146 | 0.99994 |
| 2212              | 3                    | 2.77                        | 3                     | 166                           | 1,480                                  | 0.002 | 55.33  | 0.11  | 1.000 | 0.99999 |
| 2511              | 2                    | 2.44                        | 6                     | 379                           | 631                                    | 0.010 | 63.17  | 0.60  | 1.000 | 0.99999 |
| 2621              | 5                    | 12.47                       | 33                    | 4,059                         | 1,210                                  | 0.027 | 123.00 | 3.35  | 1.100 | 0.99992 |
| 2951              | 1                    | 1.95                        | 4                     | 470                           | 1,278                                  | 0.003 | 117.50 | 0.37  | 1.000 | 0.99999 |
| 2961              | 2                    | 1.57                        | 4                     | 164                           | 660                                    | 0.006 | 41.00  | 0.25  | 1.000 | 0.99999 |
| 3121              | 2                    | 11.33                       | 15                    | 7,614                         | 1,168                                  | 0.013 | 507.60 | 6.52  | 1.000 | 0.99985 |
| 3122              | 1                    | 0.17                        | 20                    | 212                           | 901                                    | 0.022 | 10.60  | 0.24  | 1.000 | 0.99999 |
| 3181              | 1                    | 1.15                        | 35                    | 2,444                         | 780                                    | 0.045 | 69.83  | 3.13  | 1.000 | 0.99993 |
| 3221              | 1                    | 0.98                        | 1                     | 59                            | 1,303                                  | 0.001 | 59.00  | 0.05  | 1.000 | 0.99999 |
| 3222              | 3                    | 3.46                        | 56                    | 2,651                         | 808                                    | 0.069 | 47.34  | 3.28  | 1.018 | 0.99993 |
| 3302              | 1                    | 2.17                        | 63                    | 8,209                         | 717                                    | 0.088 | 130.30 | 11.45 | 1.000 | 0.99974 |
| 3304              | 2                    | 5.14                        | 17                    | 2,316                         | 1,192                                  | 0.014 | 136.24 | 1.94  | 1.063 | 0.99996 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3313              | 1                    | 11.28                       | 3                     | 2,031                         | 1,565                                  | 0.002 | 677.00 | 1.30  | 1.000 | 0.99997 |
| 3315              | 1                    | 2.18                        | 315                   | 41,559                        | 1,625                                  | 0.194 | 131.93 | 25.57 | 1.000 | 0.99943 |
| 3471              | 4                    | 3.35                        | 46                    | 2,116                         | 507                                    | 0.091 | 46.00  | 4.17  | 1.022 | 0.99991 |
| 3472              | 1                    | 1.52                        | 173                   | 15,823                        | 1,356                                  | 0.128 | 91.46  | 11.67 | 1.000 | 0.99974 |
| 3551              | 1                    | 6.90                        | 13                    | 5,390                         | 1,053                                  | 0.012 | 414.62 | 5.12  | 1.000 | 0.99989 |
| 3552              | 2                    | 11.33                       | 11                    | 3,135                         | 591                                    | 0.019 | 285.00 | 5.30  | 1.100 | 0.99988 |
| 3592              | 4                    | 2.51                        | 26                    | 1,334                         | 1,850                                  | 0.014 | 51.31  | 0.72  | 1.000 | 0.99998 |
| 3593              | 1                    | 6.35                        | 24                    | 9,147                         | 951                                    | 0.025 | 381.13 | 9.62  | 1.000 | 0.99978 |
| 3621              | 2                    | 2.32                        | 2                     | 139                           | 1,660                                  | 0.001 | 69.50  | 0.08  | 1.000 | 0.99999 |
| 3661              | 2                    | 1.26                        | 45                    | 1,872                         | 1,121                                  | 0.040 | 41.60  | 1.67  | 1.000 | 0.99996 |
| 3663              | 1                    | 0.68                        | 10                    | 412                           | 322                                    | 0.031 | 41.20  | 1.28  | 1.000 | 0.99997 |
| 3691              | 1                    | 0.80                        | 8                     | 390                           | 406                                    | 0.020 | 48.75  | 0.96  | 1.000 | 0.99998 |
| 3701              | 1                    | 2.15                        | 1                     | 129                           | 551                                    | 0.002 | 129.00 | 0.23  | 1.000 | 0.99999 |
| 3702              | 1                    | 2.02                        | 18                    | 2,193                         | 745                                    | 0.024 | 121.83 | 2.94  | 1.000 | 0.99993 |
| 3751              | 1                    | 0.90                        | 4                     | 216                           | 940                                    | 0.004 | 54.00  | 0.23  | 1.000 | 0.99999 |
| 3872              | 1                    | 1.22                        | 76                    | 5,564                         | 1,227                                  | 0.062 | 73.21  | 4.53  | 1.000 | 0.99990 |
| 3873              | 2                    | 2.52                        | 33                    | 2,145                         | 826                                    | 0.040 | 65.00  | 2.60  | 1.000 | 0.99994 |
| 3874              | 2                    | 2.80                        | 2                     | 168                           | 206                                    | 0.010 | 84.00  | 0.82  | 1.000 | 0.99998 |
| 3878              | 3                    | 3.41                        | 34                    | 2,026                         | 871                                    | 0.039 | 59.59  | 2.33  | 1.000 | 0.99995 |
| 3891              | 4                    | 11.11                       | 31                    | 7,820                         | 467                                    | 0.066 | 252.26 | 16.75 | 1.033 | 0.99962 |
| 3893              | 2                    | 2.09                        | 74                    | 4,675                         | 1,218                                  | 0.061 | 63.18  | 3.84  | 1.088 | 0.99991 |
| 3901              | 4                    | 8.02                        | 180                   | 23,376                        | 894                                    | 0.201 | 129.87 | 26.15 | 1.353 | 0.99941 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3903              | 1                    | 1.63                        | 28                    | 2,761                         | 318                                    | 0.088 | 98.61  | 8.68  | 1.000 | 0.99981 |
| 3913              | 2                    | 1.22                        | 41                    | 1,721                         | 988                                    | 0.041 | 41.98  | 1.74  | 1.000 | 0.99996 |
| 3951              | 3                    | 3.80                        | 15                    | 1,399                         | 974                                    | 0.015 | 93.27  | 1.44  | 1.071 | 0.99997 |
| 3952              | 2                    | 2.59                        | 31                    | 1,319                         | 929                                    | 0.033 | 42.55  | 1.42  | 1.033 | 0.99997 |
| 3953              | 2                    | 2.25                        | 82                    | 4,424                         | 550                                    | 0.149 | 53.95  | 8.04  | 1.000 | 0.99982 |
| 3971              | 1                    | 0.50                        | 3                     | 90                            | 709                                    | 0.004 | 30.00  | 0.13  | 1.000 | 0.99999 |
| 3981              | 5                    | 13.54                       | 59                    | 6,689                         | 1,601                                  | 0.037 | 113.37 | 4.18  | 1.073 | 0.99991 |
| 3982              | 2                    | 2.48                        | 19                    | 811                           | 1,841                                  | 0.010 | 42.68  | 0.44  | 1.000 | 0.99999 |
| 3991              | 3                    | 6.36                        | 3                     | 381                           | 773                                    | 0.004 | 127.00 | 0.49  | 1.000 | 0.99999 |
| 3992              | 1                    | 0.68                        | 1                     | 41                            | 175                                    | 0.006 | 41.00  | 0.23  | 1.000 | 0.99999 |
| 4091              | 1                    | 1.13                        | 19                    | 1,292                         | 1,222                                  | 0.016 | 68.00  | 1.06  | 1.000 | 0.99998 |
| 4092              | 1                    | 1.58                        | 1                     | 95                            | 468                                    | 0.002 | 95.00  | 0.20  | 1.000 | 0.99999 |
| 4101              | 2                    | 2.35                        | 7                     | 454                           | 993                                    | 0.007 | 64.86  | 0.46  | 1.000 | 0.99999 |
| 4134              | 10                   | 17.92                       | 158                   | 18,440                        | 894                                    | 0.177 | 116.71 | 20.63 | 1.053 | 0.99954 |
| 4135              | 1                    | 2.87                        | 1                     | 172                           | 66                                     | 0.015 | 172.00 | 2.61  | 1.000 | 0.99994 |
| 4137              | 6                    | 9.63                        | 40                    | 3,396                         | 823                                    | 0.049 | 84.90  | 4.13  | 1.000 | 0.99991 |
| 4138              | 1                    | 1.03                        | 1                     | 62                            | 752                                    | 0.001 | 62.00  | 0.08  | 1.000 | 0.99999 |
| 4142              | 1                    | 1.20                        | 1                     | 72                            | 625                                    | 0.002 | 72.00  | 0.12  | 1.000 | 0.99999 |
| 4153              | 2                    | 6.28                        | 9                     | 1,631                         | 1,250                                  | 0.007 | 181.22 | 1.30  | 1.125 | 0.99997 |
| 4171              | 1                    | 0.45                        | 1                     | 27                            | 1,218                                  | 0.001 | 27.00  | 0.02  | 1.000 | 0.99999 |
| 4172              | 1                    | 0.70                        | 26                    | 1,095                         | 1,908                                  | 0.014 | 42.12  | 0.57  | 1.000 | 0.99999 |
| 4173              | 1                    | 5.45                        | 117                   | 38,350                        | 697                                    | 0.168 | 327.78 | 55.02 | 1.000 | 0.99877 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4181              | 2                    | 2.42                        | 25                    | 1,851                         | 802                                    | 0.031 | 74.04  | 2.31   | 1.000 | 0.99995 |
| 4182              | 1                    | 1.42                        | 2                     | 171                           | 789                                    | 0.003 | 85.50  | 0.22   | 1.000 | 0.99999 |
| 4211              | 2                    | 1.20                        | 2                     | 72                            | 822                                    | 0.002 | 36.00  | 0.09   | 1.000 | 0.99999 |
| 4221              | 1                    | 0.87                        | 1                     | 52                            | 3                                      | 0.333 | 52.00  | 17.33  | 1.000 | 0.99961 |
| 4222              | 2                    | 11.07                       | 2                     | 664                           | 1,098                                  | 0.002 | 332.00 | 0.60   | 1.000 | 0.99999 |
| 4303              | 2                    | 5.44                        | 105                   | 7,750                         | 1,421                                  | 0.074 | 73.81  | 5.45   | 1.000 | 0.99988 |
| 4326              | 4                    | 3.93                        | 147                   | 9,486                         | 340                                    | 0.432 | 64.53  | 27.90  | 1.021 | 0.99938 |
| 4327              | 2                    | 2.05                        | 64                    | 3,925                         | 105                                    | 0.610 | 61.33  | 37.38  | 1.016 | 0.99916 |
| 4333              | 2                    | 1.80                        | 761                   | 68,430                        | 760                                    | 1.001 | 89.92  | 90.04  | 1.001 | 0.99798 |
| 4341              | 2                    | 2.02                        | 25                    | 1,175                         | 1,897                                  | 0.013 | 47.00  | 0.62   | 1.000 | 0.99999 |
| 4343              | 1                    | 3.27                        | 1                     | 196                           | 1,720                                  | 0.001 | 196.00 | 0.11   | 1.000 | 0.99999 |
| 4361              | 2                    | 1.86                        | 115                   | 6,527                         | 1,713                                  | 0.067 | 56.76  | 3.81   | 1.000 | 0.99991 |
| 4362              | 1                    | 1.15                        | 1                     | 69                            | 850                                    | 0.001 | 69.00  | 0.08   | 1.000 | 0.99999 |
| 4363              | 1                    | 1.38                        | 20                    | 1,669                         | 712                                    | 0.028 | 83.45  | 2.34   | 1.000 | 0.99995 |
| 4364              | 2                    | 2.00                        | 9                     | 654                           | 881                                    | 0.010 | 72.67  | 0.74   | 1.000 | 0.99998 |
| 4371              | 2                    | 1.95                        | 18                    | 776                           | 1,591                                  | 0.011 | 43.11  | 0.49   | 1.000 | 0.99999 |
| 4373              | 2                    | 5.68                        | 6                     | 944                           | 808                                    | 0.007 | 157.33 | 1.17   | 1.200 | 0.99997 |
| 4383              | 2                    | 9.58                        | 165                   | 77,226                        | 150                                    | 1.100 | 468.04 | 514.84 | 1.100 | 0.98847 |
| 4385              | 1                    | 8.52                        | 1,163                 | 594,293                       | 1,163                                  | 1.000 | 511.00 | 511.00 | 1.000 | 0.98855 |
| 4386              | 1                    | 8.50                        | 1,662                 | 847,813                       | 1,662                                  | 1.000 | 510.12 | 510.12 | 1.000 | 0.98857 |
| 4431              | 3                    | 2.73                        | 66                    | 3,918                         | 1,453                                  | 0.045 | 59.36  | 2.70   | 1.015 | 0.99994 |
| 4511              | 1                    | 1.02                        | 26                    | 1,595                         | 1,149                                  | 0.023 | 61.35  | 1.39   | 1.000 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4513              | 1                    | 0.65                        | 1                     | 39                            | 767                                    | 0.001 | 39.00  | 0.05   | 1.000 | 0.99999 |
| 4601              | 1                    | 1.13                        | 30                    | 2,057                         | 417                                    | 0.072 | 68.57  | 4.93   | 1.000 | 0.99989 |
| 4692              | 3                    | 6.43                        | 113                   | 6,523                         | 510                                    | 0.222 | 57.73  | 12.79  | 1.056 | 0.99971 |
| 4784              | 1                    | 1.00                        | 1                     | 60                            | 404                                    | 0.002 | 60.00  | 0.15   | 1.000 | 0.99999 |
| 4793              | 3                    | 4.42                        | 41                    | 3,851                         | 803                                    | 0.051 | 93.93  | 4.80   | 1.206 | 0.99989 |
| 5601              | 4                    | 12.42                       | 21                    | 4,427                         | 1,319                                  | 0.016 | 210.81 | 3.36   | 1.050 | 0.99992 |
| 5603              | 3                    | 3.87                        | 55                    | 4,227                         | 1,537                                  | 0.036 | 76.85  | 2.75   | 1.019 | 0.99994 |
| 5903              | 1                    | 2.23                        | 292                   | 43,160                        | 292                                    | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 5904              | 1                    | 0.52                        | 13                    | 403                           | 1,312                                  | 0.010 | 31.00  | 0.31   | 1.000 | 0.99999 |
| 5905              | 1                    | 1.30                        | 1                     | 78                            | 1,997                                  | 0.001 | 78.00  | 0.04   | 1.000 | 0.99999 |
| 6021              | 4                    | 4.16                        | 45                    | 2,557                         | 1,386                                  | 0.032 | 56.82  | 1.84   | 1.023 | 0.99996 |
| 6141              | 1                    | 0.68                        | 1                     | 41                            | 660                                    | 0.002 | 41.00  | 0.06   | 1.000 | 0.99999 |
| 6142              | 1                    | 1.03                        | 1                     | 62                            | 341                                    | 0.003 | 62.00  | 0.18   | 1.000 | 0.99999 |
| 6401              | 1                    | 0.55                        | 43                    | 1,419                         | 270                                    | 0.159 | 33.00  | 5.26   | 1.000 | 0.99988 |
| 6402              | 1                    | 2.55                        | 1                     | 153                           | 173                                    | 0.006 | 153.00 | 0.88   | 1.000 | 0.99998 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 247                  | 423.36                      | 9,133                 | 2,149,119                     | 179,066                                | 0.051 | 235.31 | 12.00  | 1.020 | 0.99973 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
11/1/2023 to 11/30/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 5                    | 7.35                        | 485                   | 40,213                        | 1,840                                  | 0.264 | 82.91  | 21.85 | 1.064 | 0.99949 |
| 1051              | 2                    | 2.82                        | 117                   | 11,623                        | 562                                    | 0.208 | 99.34  | 20.68 | 1.000 | 0.99952 |
| 1052              | 1                    | 0.87                        | 84                    | 4,450                         | 1,214                                  | 0.069 | 52.98  | 3.67  | 1.000 | 0.99992 |
| 1082              | 5                    | 7.91                        | 35                    | 4,118                         | 1,437                                  | 0.024 | 117.66 | 2.87  | 1.000 | 0.99993 |
| 1091              | 1                    | 1.40                        | 54                    | 4,536                         | 844                                    | 0.064 | 84.00  | 5.37  | 1.000 | 0.99988 |
| 1092              | 1                    | 0.38                        | 14                    | 333                           | 1,060                                  | 0.013 | 23.79  | 0.31  | 1.000 | 0.99999 |
| 1103              | 4                    | 2.93                        | 88                    | 3,471                         | 1,029                                  | 0.086 | 39.44  | 3.37  | 1.023 | 0.99992 |
| 1213              | 2                    | 3.25                        | 3                     | 258                           | 581                                    | 0.005 | 86.00  | 0.44  | 1.000 | 0.99999 |
| 1232              | 3                    | 10.72                       | 87                    | 25,402                        | 1,239                                  | 0.070 | 291.98 | 20.50 | 1.024 | 0.99953 |
| 1233              | 1                    | 0.73                        | 18                    | 809                           | 746                                    | 0.024 | 44.94  | 1.08  | 1.000 | 0.99997 |
| 1241              | 1                    | 2.33                        | 3                     | 420                           | 901                                    | 0.003 | 140.00 | 0.47  | 1.000 | 0.99999 |
| 1242              | 3                    | 4.37                        | 59                    | 4,994                         | 864                                    | 0.068 | 84.64  | 5.78  | 1.000 | 0.99987 |
| 1243              | 6                    | 5.32                        | 74                    | 2,976                         | 1,262                                  | 0.059 | 40.22  | 2.36  | 1.057 | 0.99995 |
| 1271              | 2                    | 1.53                        | 32                    | 1,368                         | 1,008                                  | 0.032 | 42.75  | 1.36  | 1.000 | 0.99997 |
| 1273              | 2                    | 0.97                        | 11                    | 407                           | 873                                    | 0.013 | 37.00  | 0.47  | 1.000 | 0.99999 |
| 1282              | 1                    | 0.80                        | 173                   | 8,329                         | 711                                    | 0.243 | 48.14  | 11.71 | 1.000 | 0.99973 |
| 1285              | 1                    | 4.77                        | 55                    | 15,779                        | 1,136                                  | 0.048 | 286.89 | 13.89 | 1.000 | 0.99968 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1312              | 1                    | 1.53                        | 1                     | 92                            | 1,001                                  | 0.001 | 92.00  | 0.09  | 1.000 | 0.99999 |
| 1451              | 1                    | 0.75                        | 1                     | 45                            | 588                                    | 0.002 | 45.00  | 0.08  | 1.000 | 0.99999 |
| 1453              | 1                    | 1.40                        | 77                    | 6,529                         | 1,851                                  | 0.042 | 84.79  | 3.53  | 1.000 | 0.99992 |
| 1521              | 1                    | 0.90                        | 1                     | 54                            | 395                                    | 0.003 | 54.00  | 0.14  | 1.000 | 0.99999 |
| 1842              | 1                    | 0.70                        | 1                     | 42                            | 309                                    | 0.003 | 42.00  | 0.14  | 1.000 | 0.99999 |
| 1843              | 6                    | 6.76                        | 73                    | 4,350                         | 1,152                                  | 0.063 | 59.59  | 3.78  | 1.404 | 0.99991 |
| 2091              | 1                    | 1.98                        | 1                     | 119                           | 954                                    | 0.001 | 119.00 | 0.12  | 1.000 | 0.99999 |
| 2092              | 1                    | 3.10                        | 19                    | 3,542                         | 969                                    | 0.020 | 186.42 | 3.66  | 1.000 | 0.99992 |
| 2171              | 2                    | 1.72                        | 11                    | 582                           | 604                                    | 0.018 | 52.91  | 0.96  | 1.000 | 0.99998 |
| 2211              | 2                    | 2.21                        | 2                     | 133                           | 749                                    | 0.003 | 66.50  | 0.18  | 1.000 | 0.99999 |
| 2212              | 3                    | 2.83                        | 75                    | 4,687                         | 1,480                                  | 0.051 | 62.49  | 3.17  | 1.014 | 0.99993 |
| 2501              | 1                    | 0.90                        | 35                    | 1,854                         | 84                                     | 0.417 | 52.97  | 22.07 | 1.000 | 0.99949 |
| 2511              | 2                    | 1.38                        | 37                    | 1,034                         | 631                                    | 0.059 | 27.95  | 1.64  | 1.000 | 0.99996 |
| 2621              | 1                    | 0.63                        | 1                     | 38                            | 1,210                                  | 0.001 | 38.00  | 0.03  | 1.000 | 0.99999 |
| 2951              | 5                    | 7.14                        | 5                     | 428                           | 1,278                                  | 0.004 | 85.60  | 0.33  | 1.250 | 0.99999 |
| 2961              | 3                    | 2.03                        | 3                     | 122                           | 660                                    | 0.005 | 40.67  | 0.18  | 1.000 | 0.99999 |
| 3122              | 1                    | 1.02                        | 1                     | 61                            | 901                                    | 0.001 | 61.00  | 0.07  | 1.000 | 0.99999 |
| 3123              | 1                    | 5.52                        | 1                     | 331                           | 1,152                                  | 0.001 | 331.00 | 0.29  | 1.000 | 0.99999 |
| 3181              | 1                    | 0.97                        | 29                    | 1,699                         | 780                                    | 0.037 | 58.59  | 2.18  | 1.000 | 0.99995 |
| 3221              | 1                    | 1.97                        | 1                     | 118                           | 1,303                                  | 0.001 | 118.00 | 0.09  | 1.000 | 0.99999 |
| 3232              | 1                    | 1.03                        | 1                     | 62                            | 453                                    | 0.002 | 62.00  | 0.14  | 1.000 | 0.99999 |
| 3302              | 4                    | 5.96                        | 70                    | 5,897                         | 717                                    | 0.098 | 84.24  | 8.22  | 1.014 | 0.99981 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3304              | 1                    | 1.02                        | 1                     | 61                            | 1,192                                  | 0.001 | 61.00  | 0.05  | 1.000 | 0.99999 |
| 3314              | 1                    | 1.17                        | 1                     | 70                            | 229                                    | 0.004 | 70.00  | 0.31  | 1.000 | 0.99999 |
| 3423              | 1                    | 1.15                        | 1                     | 69                            | 407                                    | 0.002 | 69.00  | 0.17  | 1.000 | 0.99999 |
| 3471              | 2                    | 1.80                        | 4                     | 164                           | 507                                    | 0.008 | 41.00  | 0.32  | 1.000 | 0.99999 |
| 3472              | 1                    | 1.12                        | 5                     | 335                           | 1,356                                  | 0.004 | 67.00  | 0.25  | 1.000 | 0.99999 |
| 3553              | 1                    | 1.23                        | 24                    | 1,792                         | 892                                    | 0.027 | 74.67  | 2.01  | 1.000 | 0.99995 |
| 3591              | 2                    | 2.08                        | 65                    | 3,915                         | 1,633                                  | 0.040 | 60.23  | 2.40  | 1.000 | 0.99994 |
| 3592              | 2                    | 2.24                        | 10                    | 408                           | 1,850                                  | 0.005 | 40.80  | 0.22  | 1.000 | 0.99999 |
| 3594              | 1                    | 0.75                        | 193                   | 8,697                         | 910                                    | 0.212 | 45.06  | 9.56  | 1.000 | 0.99978 |
| 3661              | 3                    | 2.03                        | 150                   | 8,547                         | 1,121                                  | 0.134 | 56.98  | 7.62  | 1.007 | 0.99982 |
| 3664              | 1                    | 1.25                        | 1                     | 75                            | 595                                    | 0.002 | 75.00  | 0.13  | 1.000 | 0.99999 |
| 3701              | 4                    | 4.61                        | 16                    | 775                           | 551                                    | 0.029 | 48.44  | 1.41  | 1.000 | 0.99997 |
| 3702              | 7                    | 5.95                        | 584                   | 37,873                        | 745                                    | 0.784 | 64.85  | 50.84 | 1.056 | 0.99882 |
| 3751              | 2                    | 2.12                        | 36                    | 2,317                         | 940                                    | 0.038 | 64.36  | 2.46  | 1.029 | 0.99994 |
| 3873              | 2                    | 3.05                        | 38                    | 2,484                         | 826                                    | 0.046 | 65.37  | 3.01  | 1.188 | 0.99993 |
| 3878              | 2                    | 2.07                        | 46                    | 2,846                         | 871                                    | 0.053 | 61.87  | 3.27  | 1.000 | 0.99992 |
| 3892              | 1                    | 6.52                        | 52                    | 20,349                        | 560                                    | 0.093 | 391.33 | 36.34 | 1.000 | 0.99916 |
| 3893              | 6                    | 6.01                        | 44                    | 3,721                         | 1,218                                  | 0.036 | 84.57  | 3.06  | 1.000 | 0.99993 |
| 3913              | 2                    | 0.70                        | 13                    | 303                           | 988                                    | 0.013 | 23.31  | 0.31  | 1.083 | 0.99999 |
| 3951              | 6                    | 6.95                        | 33                    | 2,478                         | 974                                    | 0.034 | 75.09  | 2.54  | 1.100 | 0.99994 |
| 3952              | 5                    | 4.92                        | 32                    | 1,657                         | 929                                    | 0.034 | 51.78  | 1.78  | 1.103 | 0.99996 |
| 3981              | 6                    | 3.88                        | 76                    | 4,401                         | 1,601                                  | 0.047 | 57.91  | 2.75  | 1.027 | 0.99994 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3982              | 1                    | 0.90                        | 18                    | 981                           | 1,841                                  | 0.010 | 54.50  | 0.53   | 1.000 | 0.99999 |
| 3991              | 4                    | 7.73                        | 55                    | 3,762                         | 773                                    | 0.071 | 68.40  | 4.87   | 1.038 | 0.99989 |
| 4031              | 3                    | 2.65                        | 13                    | 786                           | 724                                    | 0.018 | 60.46  | 1.09   | 1.857 | 0.99997 |
| 4091              | 1                    | 2.23                        | 10                    | 1,344                         | 1,222                                  | 0.008 | 134.40 | 1.10   | 1.000 | 0.99997 |
| 4092              | 1                    | 2.73                        | 3                     | 492                           | 468                                    | 0.006 | 164.00 | 1.05   | 1.000 | 0.99998 |
| 4137              | 9                    | 7.06                        | 63                    | 3,964                         | 823                                    | 0.077 | 62.92  | 4.82   | 1.033 | 0.99989 |
| 4152              | 3                    | 4.23                        | 1,298                 | 136,466                       | 1,297                                  | 1.001 | 105.14 | 105.22 | 1.002 | 0.99756 |
| 4154              | 1                    | 5.72                        | 1                     | 343                           | 1,483                                  | 0.001 | 343.00 | 0.23   | 1.000 | 0.99999 |
| 4155              | 1                    | 1.48                        | 33                    | 2,962                         | 1,759                                  | 0.019 | 89.76  | 1.68   | 1.000 | 0.99996 |
| 4171              | 2                    | 2.18                        | 6                     | 419                           | 1,218                                  | 0.005 | 69.83  | 0.34   | 1.000 | 0.99999 |
| 4172              | 1                    | 0.60                        | 1,855                 | 67,583                        | 1,908                                  | 0.972 | 36.43  | 35.42  | 1.000 | 0.99918 |
| 4173              | 1                    | 0.48                        | 13                    | 389                           | 697                                    | 0.019 | 29.92  | 0.56   | 1.000 | 0.99999 |
| 4182              | 1                    | 1.58                        | 1                     | 95                            | 789                                    | 0.001 | 95.00  | 0.12   | 1.000 | 0.99999 |
| 4211              | 1                    | 0.93                        | 11                    | 624                           | 822                                    | 0.013 | 56.73  | 0.76   | 1.000 | 0.99998 |
| 4212              | 2                    | 4.52                        | 74                    | 5,989                         | 1,113                                  | 0.066 | 80.93  | 5.38   | 1.014 | 0.99988 |
| 4222              | 1                    | 1.08                        | 51                    | 3,298                         | 1,098                                  | 0.046 | 64.67  | 3.00   | 1.000 | 0.99993 |
| 4224              | 1                    | 0.58                        | 30                    | 1,051                         | 783                                    | 0.038 | 35.03  | 1.34   | 1.000 | 0.99997 |
| 4303              | 2                    | 2.27                        | 1,480                 | 104,528                       | 1,421                                  | 1.042 | 70.63  | 73.56  | 1.042 | 0.99830 |
| 4326              | 1                    | 0.68                        | 1                     | 41                            | 340                                    | 0.003 | 41.00  | 0.12   | 1.000 | 0.99999 |
| 4331              | 2                    | 3.00                        | 2                     | 180                           | 342                                    | 0.006 | 90.00  | 0.53   | 1.000 | 0.99999 |
| 4343              | 1                    | 0.88                        | 9                     | 478                           | 1,720                                  | 0.005 | 53.11  | 0.28   | 1.000 | 0.99999 |
| 4344              | 2                    | 2.12                        | 2                     | 127                           | 372                                    | 0.005 | 63.50  | 0.34   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4361              | 9                    | 6.57                        | 70                    | 3,047                         | 1,713                                  | 0.041 | 43.53  | 1.78  | 1.029 | 0.99996 |
| 4362              | 1                    | 0.80                        | 45                    | 2,175                         | 850                                    | 0.053 | 48.33  | 2.56  | 1.000 | 0.99994 |
| 4363              | 3                    | 2.44                        | 9                     | 508                           | 712                                    | 0.013 | 56.44  | 0.71  | 1.125 | 0.99998 |
| 4371              | 2                    | 2.61                        | 5                     | 344                           | 1,591                                  | 0.003 | 68.80  | 0.22  | 1.000 | 0.99999 |
| 4372              | 1                    | 2.72                        | 1                     | 163                           | 443                                    | 0.002 | 163.00 | 0.37  | 1.000 | 0.99999 |
| 4431              | 4                    | 3.29                        | 51                    | 2,333                         | 1,453                                  | 0.035 | 45.75  | 1.61  | 1.041 | 0.99996 |
| 4432              | 4                    | 6.17                        | 25                    | 2,139                         | 489                                    | 0.051 | 85.56  | 4.37  | 1.087 | 0.99990 |
| 4511              | 1                    | 1.22                        | 1                     | 73                            | 1,149                                  | 0.001 | 73.00  | 0.06  | 1.000 | 0.99999 |
| 4512              | 2                    | 3.07                        | 2                     | 184                           | 1,159                                  | 0.002 | 92.00  | 0.16  | 2.000 | 0.99999 |
| 4601              | 2                    | 2.15                        | 29                    | 1,634                         | 417                                    | 0.070 | 56.34  | 3.92  | 1.036 | 0.99991 |
| 4602              | 2                    | 1.80                        | 76                    | 4,157                         | 989                                    | 0.077 | 54.70  | 4.20  | 1.000 | 0.99990 |
| 4692              | 2                    | 4.73                        | 31                    | 1,770                         | 510                                    | 0.061 | 57.10  | 3.47  | 1.033 | 0.99992 |
| 4714              | 2                    | 4.70                        | 19                    | 4,107                         | 362                                    | 0.052 | 216.16 | 11.35 | 1.056 | 0.99974 |
| 4783              | 2                    | 5.72                        | 16                    | 2,779                         | 261                                    | 0.061 | 173.69 | 10.65 | 1.067 | 0.99975 |
| 4784              | 1                    | 2.78                        | 10                    | 1,670                         | 404                                    | 0.025 | 167.00 | 4.13  | 1.000 | 0.99990 |
| 4791              | 2                    | 1.00                        | 2                     | 60                            | 650                                    | 0.003 | 30.00  | 0.09  | 1.000 | 0.99999 |
| 4891              | 1                    | 1.00                        | 1                     | 60                            | 605                                    | 0.002 | 60.00  | 0.10  | 1.000 | 0.99999 |
| 4906              | 3                    | 6.22                        | 46                    | 5,833                         | 1,324                                  | 0.035 | 126.80 | 4.41  | 1.000 | 0.99990 |
| 5603              | 5                    | 3.55                        | 89                    | 4,584                         | 1,537                                  | 0.058 | 51.51  | 2.98  | 1.011 | 0.99993 |
| 5641              | 1                    | 0.43                        | 1                     | 26                            | 349                                    | 0.003 | 26.00  | 0.07  | 1.000 | 0.99999 |
| 5901              | 1                    | 0.45                        | 1                     | 27                            | 912                                    | 0.001 | 27.00  | 0.03  | 1.000 | 0.99999 |
| 5903              | 1                    | 0.67                        | 15                    | 602                           | 292                                    | 0.051 | 40.13  | 2.06  | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 5905              | 2                    | 1.43                        | 89                    | 3,848                         | 1,997                                  | 0.045 | 43.24  | 1.93  | 1.000 | 0.99996 |
| 6021              | 3                    | 3.50                        | 116                   | 8,893                         | 1,386                                  | 0.084 | 76.66  | 6.42  | 1.084 | 0.99985 |
| 6022              | 1                    | 1.18                        | 1                     | 71                            | 582                                    | 0.002 | 71.00  | 0.12  | 1.000 | 0.99999 |
| 6024              | 1                    | 0.70                        | 1                     | 42                            | 400                                    | 0.003 | 42.00  | 0.11  | 1.000 | 0.99999 |
| 6141              | 1                    | 2.27                        | 411                   | 56,019                        | 660                                    | 0.623 | 136.30 | 84.88 | 1.000 | 0.99804 |
| 6402              | 1                    | 0.92                        | 173                   | 9,581                         | 173                                    | 1.000 | 55.38  | 55.38 | 1.000 | 0.99872 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 244                  | 303.22                      | 9,628                 | 717,273                       | 179,066                                | 0.054 | 74.50  | 4.01  | 1.022 | 0.99991 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
12/1/2023 to 12/31/2023  
INCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1051              | 1                    | 0.68                        | 1                     | 41                            | 562                                    | 0.002 | 41.00  | 0.07   | 1.000 | 0.99999 |
| 1082              | 2                    | 1.59                        | 48                    | 2,297                         | 1,437                                  | 0.033 | 47.85  | 1.60   | 1.143 | 0.99996 |
| 1084              | 1                    | 2.05                        | 1                     | 123                           | 8                                      | 0.125 | 123.00 | 15.38  | 1.000 | 0.99966 |
| 1091              | 1                    | 0.78                        | 54                    | 2,585                         | 844                                    | 0.064 | 47.87  | 3.06   | 1.000 | 0.99993 |
| 1092              | 8                    | 12.51                       | 106                   | 14,187                        | 1,060                                  | 0.100 | 133.84 | 13.38  | 1.010 | 0.99970 |
| 1094              | 3                    | 1.86                        | 9                     | 272                           | 1,394                                  | 0.006 | 30.22  | 0.20   | 1.000 | 0.99999 |
| 1103              | 2                    | 1.46                        | 77                    | 3,425                         | 1,029                                  | 0.075 | 44.48  | 3.33   | 1.000 | 0.99993 |
| 1211              | 1                    | 2.18                        | 1                     | 131                           | 1,526                                  | 0.001 | 131.00 | 0.09   | 1.000 | 0.99999 |
| 1212              | 1                    | 1.40                        | 1                     | 84                            | 354                                    | 0.003 | 84.00  | 0.24   | 1.000 | 0.99999 |
| 1230              | 2                    | 7.72                        | 647                   | 220,096                       | 1,174                                  | 0.551 | 340.18 | 187.48 | 1.002 | 0.99580 |
| 1232              | 1                    | 0.93                        | 1                     | 56                            | 1,239                                  | 0.001 | 56.00  | 0.05   | 1.000 | 0.99999 |
| 1233              | 1                    | 0.55                        | 1                     | 33                            | 746                                    | 0.001 | 33.00  | 0.04   | 1.000 | 0.99999 |
| 1241              | 1                    | 1.52                        | 11                    | 1,006                         | 901                                    | 0.012 | 91.45  | 1.12   | 1.000 | 0.99997 |
| 1282              | 1                    | 0.95                        | 173                   | 9,941                         | 711                                    | 0.243 | 57.46  | 13.98  | 1.000 | 0.99969 |
| 1311              | 1                    | 0.78                        | 1                     | 47                            | 289                                    | 0.003 | 47.00  | 0.16   | 1.000 | 0.99999 |
| 1312              | 1                    | 0.65                        | 49                    | 1,930                         | 1,001                                  | 0.049 | 39.39  | 1.93   | 1.000 | 0.99996 |
| 1523              | 2                    | 3.83                        | 783                   | 16,709                        | 782                                    | 1.001 | 21.34  | 21.37  | 1.001 | 0.99952 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1843              | 2                    | 2.12                        | 23                    | 1,464                         | 1,152                                  | 0.020 | 63.65  | 1.27  | 1.533 | 0.99997 |
| 2091              | 1                    | 1.17                        | 1                     | 70                            | 954                                    | 0.001 | 70.00  | 0.07  | 1.000 | 0.99999 |
| 2092              | 1                    | 1.12                        | 1                     | 67                            | 969                                    | 0.001 | 67.00  | 0.07  | 1.000 | 0.99999 |
| 2171              | 1                    | 1.02                        | 1                     | 61                            | 604                                    | 0.002 | 61.00  | 0.10  | 1.000 | 0.99999 |
| 2172              | 2                    | 2.59                        | 19                    | 1,757                         | 256                                    | 0.074 | 92.47  | 6.86  | 1.056 | 0.99985 |
| 2212              | 1                    | 0.67                        | 1                     | 40                            | 1,480                                  | 0.001 | 40.00  | 0.03  | 1.000 | 0.99999 |
| 2501              | 1                    | 0.58                        | 45                    | 1,591                         | 84                                     | 0.536 | 35.36  | 18.94 | 1.000 | 0.99958 |
| 2621              | 1                    | 0.80                        | 1                     | 48                            | 1,210                                  | 0.001 | 48.00  | 0.04  | 1.000 | 0.99999 |
| 2951              | 1                    | 1.10                        | 16                    | 1,068                         | 1,278                                  | 0.013 | 66.75  | 0.84  | 1.000 | 0.99998 |
| 2961              | 1                    | 0.78                        | 9                     | 425                           | 660                                    | 0.014 | 47.22  | 0.64  | 1.000 | 0.99999 |
| 3122              | 3                    | 5.85                        | 3                     | 351                           | 901                                    | 0.003 | 117.00 | 0.39  | 1.000 | 0.99999 |
| 3181              | 2                    | 3.01                        | 2                     | 181                           | 780                                    | 0.003 | 90.50  | 0.23  | 1.000 | 0.99999 |
| 3221              | 1                    | 0.63                        | 10                    | 382                           | 1,303                                  | 0.008 | 38.20  | 0.29  | 1.000 | 0.99999 |
| 3222              | 2                    | 3.10                        | 29                    | 3,283                         | 808                                    | 0.036 | 113.21 | 4.06  | 1.000 | 0.99991 |
| 3302              | 1                    | 0.82                        | 3                     | 147                           | 717                                    | 0.004 | 49.00  | 0.21  | 1.000 | 0.99999 |
| 3315              | 3                    | 3.80                        | 3                     | 228                           | 1,625                                  | 0.002 | 76.00  | 0.14  | 1.000 | 0.99999 |
| 3423              | 1                    | 1.07                        | 18                    | 1,166                         | 407                                    | 0.044 | 64.78  | 2.86  | 1.000 | 0.99994 |
| 3551              | 1                    | 1.60                        | 14                    | 1,349                         | 1,053                                  | 0.013 | 96.36  | 1.28  | 1.000 | 0.99997 |
| 3552              | 1                    | 1.65                        | 108                   | 10,706                        | 591                                    | 0.183 | 99.13  | 18.12 | 1.000 | 0.99959 |
| 3553              | 1                    | 0.52                        | 65                    | 2,059                         | 892                                    | 0.073 | 31.68  | 2.31  | 1.000 | 0.99995 |
| 3591              | 1                    | 1.20                        | 1                     | 72                            | 1,633                                  | 0.001 | 72.00  | 0.04  | 1.000 | 0.99999 |
| 3592              | 1                    | 1.22                        | 1                     | 73                            | 1,850                                  | 0.001 | 73.00  | 0.04  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3594              | 1                    | 0.93                        | 1                     | 56                            | 910                                    | 0.001 | 56.00  | 0.06  | 1.000 | 0.99999 |
| 3621              | 3                    | 1.92                        | 3                     | 115                           | 1,660                                  | 0.002 | 38.33  | 0.07  | 1.000 | 0.99999 |
| 3661              | 2                    | 2.25                        | 68                    | 5,559                         | 1,121                                  | 0.061 | 81.75  | 4.96  | 1.000 | 0.99989 |
| 3664              | 1                    | 0.67                        | 1                     | 40                            | 595                                    | 0.002 | 40.00  | 0.07  | 1.000 | 0.99999 |
| 3671              | 1                    | 2.88                        | 1                     | 173                           | 679                                    | 0.001 | 173.00 | 0.25  | 1.000 | 0.99999 |
| 3693              | 1                    | 0.53                        | 11                    | 352                           | 183                                    | 0.060 | 32.00  | 1.92  | 1.000 | 0.99996 |
| 3694              | 1                    | 0.15                        | 1                     | 9                             | 550                                    | 0.002 | 9.00   | 0.02  | 1.000 | 0.99999 |
| 3701              | 2                    | 0.82                        | 10                    | 302                           | 551                                    | 0.018 | 30.20  | 0.55  | 1.111 | 0.99999 |
| 3702              | 1                    | 0.62                        | 18                    | 680                           | 745                                    | 0.024 | 37.78  | 0.91  | 1.000 | 0.99998 |
| 3751              | 2                    | 3.55                        | 2                     | 213                           | 940                                    | 0.002 | 106.50 | 0.23  | 1.000 | 0.99999 |
| 3872              | 4                    | 5.38                        | 19                    | 1,124                         | 1,227                                  | 0.015 | 59.16  | 0.92  | 1.056 | 0.99998 |
| 3878              | 1                    | 1.42                        | 12                    | 1,020                         | 871                                    | 0.014 | 85.00  | 1.17  | 1.000 | 0.99997 |
| 3893              | 5                    | 5.09                        | 1,890                 | 100,216                       | 1,218                                  | 1.552 | 53.02  | 82.28 | 1.552 | 0.99816 |
| 3901              | 1                    | 1.47                        | 1                     | 88                            | 894                                    | 0.001 | 88.00  | 0.10  | 1.000 | 0.99999 |
| 3951              | 4                    | 13.36                       | 70                    | 3,995                         | 974                                    | 0.072 | 57.07  | 4.10  | 1.061 | 0.99991 |
| 3952              | 2                    | 1.06                        | 48                    | 2,145                         | 929                                    | 0.052 | 44.69  | 2.31  | 1.000 | 0.99995 |
| 3953              | 2                    | 1.34                        | 4                     | 148                           | 550                                    | 0.007 | 37.00  | 0.27  | 1.000 | 0.99999 |
| 3981              | 3                    | 2.66                        | 87                    | 7,064                         | 1,601                                  | 0.054 | 81.20  | 4.41  | 1.024 | 0.99990 |
| 3982              | 4                    | 3.30                        | 87                    | 4,387                         | 1,841                                  | 0.047 | 50.43  | 2.38  | 1.012 | 0.99995 |
| 4031              | 2                    | 1.97                        | 122                   | 6,990                         | 724                                    | 0.169 | 57.30  | 9.65  | 1.821 | 0.99978 |
| 4091              | 3                    | 5.89                        | 26                    | 2,713                         | 1,222                                  | 0.021 | 104.35 | 2.22  | 1.000 | 0.99995 |
| 4092              | 1                    | 0.98                        | 468                   | 27,658                        | 468                                    | 1.000 | 59.10  | 59.10 | 1.000 | 0.99868 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4101              | 2                    | 7.29                        | 6                     | 1,318                         | 993                                    | 0.006 | 219.67 | 1.33  | 1.000 | 0.99997 |
| 4153              | 1                    | 1.15                        | 1                     | 69                            | 1,250                                  | 0.001 | 69.00  | 0.06  | 1.000 | 0.99999 |
| 4171              | 2                    | 2.31                        | 18                    | 892                           | 1,218                                  | 0.015 | 49.56  | 0.73  | 1.059 | 0.99998 |
| 4172              | 1                    | 3.48                        | 149                   | 31,242                        | 1,908                                  | 0.078 | 209.68 | 16.37 | 1.000 | 0.99963 |
| 4173              | 1                    | 0.73                        | 13                    | 578                           | 697                                    | 0.019 | 44.46  | 0.83  | 1.000 | 0.99998 |
| 4181              | 1                    | 0.73                        | 1                     | 44                            | 802                                    | 0.001 | 44.00  | 0.05  | 1.000 | 0.99999 |
| 4211              | 2                    | 1.14                        | 254                   | 8,673                         | 822                                    | 0.309 | 34.15  | 10.55 | 1.012 | 0.99976 |
| 4212              | 1                    | 1.37                        | 1                     | 82                            | 1,113                                  | 0.001 | 82.00  | 0.07  | 1.000 | 0.99999 |
| 4222              | 2                    | 6.60                        | 326                   | 102,355                       | 1,098                                  | 0.297 | 313.97 | 93.22 | 1.042 | 0.99791 |
| 4224              | 1                    | 1.85                        | 1                     | 111                           | 783                                    | 0.001 | 111.00 | 0.14  | 1.000 | 0.99999 |
| 4313              | 1                    | 1.23                        | 1                     | 74                            | 563                                    | 0.002 | 74.00  | 0.13  | 1.000 | 0.99999 |
| 4342              | 1                    | 1.33                        | 1                     | 80                            | 806                                    | 0.001 | 80.00  | 0.10  | 1.000 | 0.99999 |
| 4343              | 2                    | 2.80                        | 39                    | 2,684                         | 1,720                                  | 0.023 | 68.82  | 1.56  | 1.026 | 0.99997 |
| 4344              | 1                    | 1.87                        | 55                    | 6,169                         | 372                                    | 0.148 | 112.16 | 16.58 | 1.000 | 0.99963 |
| 4361              | 4                    | 2.58                        | 10                    | 351                           | 1,713                                  | 0.006 | 35.10  | 0.20  | 1.000 | 0.99999 |
| 4362              | 2                    | 1.44                        | 144                   | 6,302                         | 850                                    | 0.169 | 43.76  | 7.41  | 1.000 | 0.99983 |
| 4363              | 4                    | 5.00                        | 44                    | 4,943                         | 712                                    | 0.062 | 112.34 | 6.94  | 1.073 | 0.99984 |
| 4364              | 1                    | 1.42                        | 1                     | 85                            | 881                                    | 0.001 | 85.00  | 0.10  | 1.000 | 0.99999 |
| 4371              | 3                    | 7.91                        | 33                    | 2,774                         | 1,591                                  | 0.021 | 84.06  | 1.74  | 1.065 | 0.99996 |
| 4385              | 1                    | 1.33                        | 1                     | 80                            | 1,163                                  | 0.001 | 80.00  | 0.07  | 1.000 | 0.99999 |
| 4511              | 1                    | 0.67                        | 26                    | 1,045                         | 1,149                                  | 0.023 | 40.19  | 0.91  | 1.000 | 0.99998 |
| 4601              | 1                    | 1.08                        | 12                    | 788                           | 417                                    | 0.029 | 65.67  | 1.89  | 1.000 | 0.99996 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4602              | 1                    | 1.17                        | 55                    | 3,830                         | 989                                    | 0.056 | 69.64  | 3.87  | 1.000 | 0.99991 |
| 4693              | 1                    | 0.58                        | 1                     | 35                            | 174                                    | 0.006 | 35.00  | 0.20  | 1.000 | 0.99999 |
| 4714              | 1                    | 1.12                        | 97                    | 6,562                         | 362                                    | 0.268 | 67.65  | 18.13 | 1.000 | 0.99959 |
| 4791              | 1                    | 1.47                        | 1                     | 88                            | 650                                    | 0.002 | 88.00  | 0.14  | 1.000 | 0.99999 |
| 4902              | 2                    | 1.25                        | 118                   | 4,959                         | 1,229                                  | 0.096 | 42.03  | 4.03  | 1.000 | 0.99991 |
| 4906              | 2                    | 2.33                        | 104                   | 7,807                         | 1,324                                  | 0.079 | 75.07  | 5.90  | 1.010 | 0.99987 |
| 5602              | 1                    | 2.50                        | 1                     | 150                           | 721                                    | 0.001 | 150.00 | 0.21  | 1.000 | 0.99999 |
| 5603              | 1                    | 0.98                        | 1                     | 59                            | 1,537                                  | 0.001 | 59.00  | 0.04  | 1.000 | 0.99999 |
| 5902              | 1                    | 1.08                        | 1                     | 65                            | 979                                    | 0.001 | 65.00  | 0.07  | 1.000 | 0.99999 |
| 5905              | 3                    | 3.77                        | 181                   | 13,812                        | 1,997                                  | 0.091 | 76.31  | 6.92  | 1.006 | 0.99985 |
| 6021              | 1                    | 0.53                        | 1                     | 32                            | 1,386                                  | 0.001 | 32.00  | 0.02  | 1.000 | 0.99999 |
| 6022              | 1                    | 1.17                        | 1                     | 70                            | 582                                    | 0.002 | 70.00  | 0.12  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 159                  | 209.36                      | 6,987                 | 672,806                       | 179,066                                | 0.039 | 96.29  | 3.76  | 1.125 | 0.99992 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
1/1/2023 to 1/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1091              | 1                    | 1.28                        | 1                     | 77                            | 815                                    | 0.001 | 77.00  | 0.09  | 1.000 | 0.99999 |
| 1092              | 1                    | 1.52                        | 1                     | 91                            | 1,050                                  | 0.001 | 91.00  | 0.09  | 1.000 | 0.99999 |
| 1102              | 3                    | 2.23                        | 52                    | 2,422                         | 1,127                                  | 0.046 | 46.58  | 2.15  | 1.000 | 0.99995 |
| 1103              | 1                    | 0.67                        | 47                    | 1,892                         | 1,017                                  | 0.046 | 40.26  | 1.86  | 1.000 | 0.99996 |
| 1141              | 1                    | 0.85                        | 1                     | 51                            | 915                                    | 0.001 | 51.00  | 0.06  | 1.000 | 0.99999 |
| 1211              | 3                    | 3.58                        | 13                    | 562                           | 1,517                                  | 0.009 | 43.23  | 0.37  | 1.000 | 0.99999 |
| 1213              | 1                    | 1.87                        | 1                     | 112                           | 583                                    | 0.002 | 112.00 | 0.19  | 1.000 | 0.99999 |
| 1233              | 2                    | 3.51                        | 7                     | 1,034                         | 652                                    | 0.011 | 147.71 | 1.59  | 1.000 | 0.99996 |
| 1241              | 1                    | 1.33                        | 11                    | 882                           | 896                                    | 0.012 | 80.18  | 0.98  | 1.000 | 0.99998 |
| 1242              | 1                    | 2.07                        | 13                    | 1,620                         | 862                                    | 0.015 | 124.62 | 1.88  | 1.000 | 0.99996 |
| 1243              | 4                    | 4.13                        | 4                     | 248                           | 1,259                                  | 0.003 | 62.00  | 0.20  | 1.333 | 0.99999 |
| 1451              | 2                    | 1.20                        | 2                     | 72                            | 586                                    | 0.003 | 36.00  | 0.12  | 1.000 | 0.99999 |
| 1452              | 4                    | 3.40                        | 10                    | 555                           | 472                                    | 0.021 | 55.50  | 1.18  | 1.111 | 0.99997 |
| 1453              | 1                    | 1.47                        | 1                     | 88                            | 1,845                                  | 0.001 | 88.00  | 0.05  | 1.000 | 0.99999 |
| 1455              | 1                    | 2.85                        | 30                    | 5,138                         | 425                                    | 0.071 | 171.27 | 12.09 | 1.000 | 0.99973 |
| 1521              | 1                    | 0.82                        | 1                     | 49                            | 390                                    | 0.003 | 49.00  | 0.13  | 1.000 | 0.99999 |
| 1523              | 4                    | 7.43                        | 845                   | 24,301                        | 773                                    | 1.093 | 28.76  | 31.44 | 1.093 | 0.99930 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1841              | 1                    | 0.63                        | 12                    | 465                           | 653                                    | 0.018 | 38.75  | 0.71   | 1.000 | 0.99998 |
| 2051              | 1                    | 0.68                        | 1                     | 41                            | 213                                    | 0.005 | 41.00  | 0.19   | 1.000 | 0.99999 |
| 2091              | 5                    | 9.42                        | 185                   | 25,638                        | 950                                    | 0.195 | 138.58 | 26.99  | 1.063 | 0.99940 |
| 2212              | 1                    | 0.87                        | 8                     | 420                           | 1,394                                  | 0.006 | 52.50  | 0.30   | 1.000 | 0.99999 |
| 2491              | 2                    | 4.80                        | 2                     | 288                           | 66                                     | 0.030 | 144.00 | 4.36   | 1.000 | 0.99990 |
| 2492              | 1                    | 1.17                        | 1                     | 70                            | 30                                     | 0.033 | 70.00  | 2.33   | 1.000 | 0.99995 |
| 2621              | 2                    | 2.08                        | 2,468                 | 155,216                       | 1,234                                  | 2.000 | 62.89  | 125.78 | 2.000 | 0.99718 |
| 2622              | 1                    | 1.23                        | 1                     | 74                            | 122                                    | 0.008 | 74.00  | 0.61   | 1.000 | 0.99999 |
| 2951              | 7                    | 15.99                       | 54                    | 7,185                         | 1,275                                  | 0.042 | 133.06 | 5.64   | 1.174 | 0.99987 |
| 2961              | 2                    | 7.13                        | 79                    | 15,034                        | 660                                    | 0.120 | 190.30 | 22.78  | 1.000 | 0.99949 |
| 3121              | 1                    | 1.07                        | 28                    | 1,799                         | 1,164                                  | 0.024 | 64.25  | 1.55   | 1.000 | 0.99997 |
| 3181              | 7                    | 18.44                       | 842                   | 98,203                        | 771                                    | 1.092 | 116.63 | 127.37 | 1.092 | 0.99715 |
| 3221              | 2                    | 4.45                        | 1,299                 | 140,767                       | 1,299                                  | 1.000 | 108.37 | 108.37 | 1.205 | 0.99757 |
| 3231              | 1                    | 1.23                        | 2                     | 149                           | 229                                    | 0.009 | 74.50  | 0.65   | 1.000 | 0.99999 |
| 3302              | 1                    | 1.32                        | 51                    | 4,048                         | 663                                    | 0.077 | 79.37  | 6.11   | 1.000 | 0.99986 |
| 3303              | 5                    | 4.32                        | 68                    | 2,658                         | 1,475                                  | 0.046 | 39.09  | 1.80   | 1.046 | 0.99996 |
| 3304              | 3                    | 4.72                        | 3                     | 283                           | 1,186                                  | 0.003 | 94.33  | 0.24   | 1.000 | 0.99999 |
| 3421              | 1                    | 1.92                        | 1                     | 115                           | 308                                    | 0.003 | 115.00 | 0.37   | 1.000 | 0.99999 |
| 3422              | 2                    | 4.80                        | 469                   | 27,878                        | 1,011                                  | 0.464 | 59.44  | 27.57  | 1.000 | 0.99938 |
| 3551              | 2                    | 2.42                        | 25                    | 1,554                         | 1,049                                  | 0.024 | 62.16  | 1.48   | 1.000 | 0.99997 |
| 3591              | 4                    | 5.47                        | 59                    | 3,834                         | 1,587                                  | 0.037 | 64.98  | 2.42   | 1.035 | 0.99995 |
| 3661              | 2                    | 1.54                        | 124                   | 5,072                         | 1,120                                  | 0.111 | 40.90  | 4.53   | 1.008 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3701              | 2                    | 1.66                        | 14                    | 720                           | 549                                    | 0.026 | 51.43  | 1.31   | 1.000 | 0.99997 |
| 3871              | 2                    | 2.61                        | 40                    | 2,929                         | 1,100                                  | 0.036 | 73.23  | 2.66   | 1.000 | 0.99994 |
| 3872              | 1                    | 0.65                        | 2                     | 78                            | 1,214                                  | 0.002 | 39.00  | 0.06   | 1.000 | 0.99999 |
| 3873              | 1                    | 1.60                        | 1                     | 96                            | 821                                    | 0.001 | 96.00  | 0.12   | 1.000 | 0.99999 |
| 3878              | 1                    | 2.85                        | 17                    | 2,913                         | 856                                    | 0.020 | 171.35 | 3.40   | 1.000 | 0.99992 |
| 3891              | 1                    | 0.95                        | 1                     | 57                            | 466                                    | 0.002 | 57.00  | 0.12   | 1.000 | 0.99999 |
| 3892              | 2                    | 4.98                        | 529                   | 69,600                        | 554                                    | 0.955 | 131.57 | 125.63 | 1.002 | 0.99719 |
| 3893              | 2                    | 2.46                        | 141                   | 11,120                        | 1,205                                  | 0.117 | 78.87  | 9.23   | 1.060 | 0.99979 |
| 3894              | 2                    | 2.57                        | 2                     | 154                           | 166                                    | 0.012 | 77.00  | 0.93   | 2.000 | 0.99998 |
| 3912              | 1                    | 0.77                        | 51                    | 2,385                         | 1,429                                  | 0.036 | 46.76  | 1.67   | 1.000 | 0.99996 |
| 3913              | 1                    | 3.68                        | 2                     | 442                           | 831                                    | 0.002 | 221.00 | 0.53   | 1.000 | 0.99999 |
| 3914              | 1                    | 0.40                        | 1                     | 24                            | 400                                    | 0.003 | 24.00  | 0.06   | 1.000 | 0.99999 |
| 3951              | 3                    | 3.81                        | 23                    | 1,596                         | 967                                    | 0.024 | 69.39  | 1.65   | 1.000 | 0.99996 |
| 3952              | 2                    | 11.43                       | 2                     | 686                           | 917                                    | 0.002 | 343.00 | 0.75   | 1.000 | 0.99998 |
| 3971              | 1                    | 0.88                        | 30                    | 1,577                         | 703                                    | 0.043 | 52.57  | 2.24   | 1.000 | 0.99995 |
| 3981              | 3                    | 2.96                        | 3                     | 178                           | 1,587                                  | 0.002 | 59.33  | 0.11   | 1.000 | 0.99999 |
| 3991              | 2                    | 1.65                        | 15                    | 562                           | 769                                    | 0.020 | 37.47  | 0.73   | 1.000 | 0.99998 |
| 3992              | 1                    | 3.47                        | 65                    | 13,389                        | 175                                    | 0.371 | 205.98 | 76.51  | 1.000 | 0.99829 |
| 4091              | 3                    | 7.05                        | 1,221                 | 74,763                        | 1,216                                  | 1.004 | 61.23  | 61.48  | 1.010 | 0.99862 |
| 4101              | 2                    | 2.35                        | 100                   | 7,229                         | 991                                    | 0.101 | 72.29  | 7.29   | 1.020 | 0.99984 |
| 4133              | 1                    | 0.48                        | 1                     | 29                            | 285                                    | 0.004 | 29.00  | 0.10   | 1.000 | 0.99999 |
| 4134              | 1                    | 2.98                        | 3                     | 538                           | 1,288                                  | 0.002 | 179.33 | 0.42   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4138              | 4                    | 4.43                        | 4                     | 266                           | 756                                    | 0.005 | 66.50  | 0.35   | 1.333 | 0.99999 |
| 4141              | 1                    | 1.42                        | 1                     | 85                            | 85                                     | 0.012 | 85.00  | 1.00   | 1.000 | 0.99998 |
| 4153              | 1                    | 2.42                        | 4                     | 582                           | 1,209                                  | 0.003 | 145.50 | 0.48   | 1.000 | 0.99999 |
| 4171              | 1                    | 0.28                        | 1                     | 17                            | 1,211                                  | 0.001 | 17.00  | 0.01   | 1.000 | 0.99999 |
| 4172              | 1                    | 5.12                        | 40                    | 12,288                        | 1,908                                  | 0.021 | 307.20 | 6.44   | 1.000 | 0.99986 |
| 4212              | 3                    | 3.83                        | 1,257                 | 97,312                        | 1,101                                  | 1.142 | 77.42  | 88.39  | 1.336 | 0.99802 |
| 4224              | 3                    | 4.98                        | 4                     | 438                           | 786                                    | 0.005 | 109.50 | 0.56   | 1.000 | 0.99999 |
| 4311              | 1                    | 0.67                        | 10                    | 403                           | 764                                    | 0.013 | 40.30  | 0.53   | 1.000 | 0.99999 |
| 4331              | 3                    | 12.19                       | 366                   | 30,120                        | 340                                    | 1.076 | 82.30  | 88.59  | 1.076 | 0.99802 |
| 4341              | 2                    | 1.45                        | 9                     | 626                           | 1,861                                  | 0.005 | 69.56  | 0.34   | 1.125 | 0.99999 |
| 4343              | 3                    | 4.50                        | 28                    | 2,836                         | 1,700                                  | 0.016 | 101.29 | 1.67   | 1.037 | 0.99996 |
| 4361              | 2                    | 2.85                        | 687                   | 68,190                        | 1,702                                  | 0.404 | 99.26  | 40.06  | 1.042 | 0.99910 |
| 4362              | 1                    | 1.65                        | 844                   | 83,907                        | 844                                    | 1.000 | 99.42  | 99.42  | 1.000 | 0.99777 |
| 4363              | 1                    | 1.63                        | 710                   | 69,923                        | 710                                    | 1.000 | 98.48  | 98.48  | 1.000 | 0.99779 |
| 4364              | 1                    | 1.65                        | 868                   | 86,337                        | 868                                    | 1.000 | 99.47  | 99.47  | 1.000 | 0.99777 |
| 4371              | 2                    | 2.02                        | 2                     | 121                           | 1,575                                  | 0.001 | 60.50  | 0.08   | 1.000 | 0.99999 |
| 4372              | 2                    | 3.65                        | 441                   | 52,358                        | 440                                    | 1.002 | 118.73 | 119.00 | 1.002 | 0.99733 |
| 4373              | 3                    | 3.98                        | 797                   | 108,121                       | 794                                    | 1.004 | 135.66 | 136.17 | 1.004 | 0.99695 |
| 4385              | 2                    | 3.77                        | 81                    | 17,828                        | 1,160                                  | 0.070 | 220.10 | 15.37  | 1.013 | 0.99966 |
| 4386              | 1                    | 1.52                        | 45                    | 4,098                         | 1,659                                  | 0.027 | 91.07  | 2.47   | 1.000 | 0.99994 |
| 4431              | 1                    | 3.60                        | 4                     | 867                           | 1,449                                  | 0.003 | 216.75 | 0.60   | 1.000 | 0.99999 |
| 4432              | 1                    | 1.75                        | 65                    | 6,856                         | 488                                    | 0.133 | 105.48 | 14.05  | 1.000 | 0.99969 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4602              | 1                    | 1.03                        | 1                     | 62                            | 988                                    | 0.001 | 62.00  | 0.06   | 1.000 | 0.99999 |
| 4714              | 1                    | 0.75                        | 4                     | 182                           | 360                                    | 0.011 | 45.50  | 0.51   | 1.000 | 0.99999 |
| 4774              | 1                    | 1.72                        | 4                     | 413                           | 4                                      | 1.000 | 103.25 | 103.25 | 1.000 | 0.99769 |
| 4891              | 2                    | 2.53                        | 604                   | 58,196                        | 600                                    | 1.007 | 96.35  | 96.99  | 1.007 | 0.99783 |
| 4892              | 1                    | 1.62                        | 332                   | 32,419                        | 332                                    | 1.000 | 97.65  | 97.65  | 1.000 | 0.99781 |
| 4905              | 1                    | 0.70                        | 1                     | 42                            | 410                                    | 0.002 | 42.00  | 0.10   | 1.000 | 0.99999 |
| 4906              | 4                    | 4.21                        | 19                    | 1,885                         | 1,318                                  | 0.014 | 99.21  | 1.43   | 1.000 | 0.99997 |
| 5602              | 1                    | 1.23                        | 1                     | 74                            | 720                                    | 0.001 | 74.00  | 0.10   | 1.000 | 0.99999 |
| 5603              | 1                    | 0.42                        | 16                    | 406                           | 1,527                                  | 0.010 | 25.38  | 0.27   | 1.000 | 0.99999 |
| 5902              | 1                    | 1.72                        | 22                    | 2,286                         | 978                                    | 0.022 | 103.91 | 2.34   | 1.000 | 0.99995 |
| 5904              | 2                    | 2.74                        | 2                     | 164                           | 1,307                                  | 0.002 | 82.00  | 0.13   | 1.000 | 0.99999 |
| 5905              | 2                    | 1.28                        | 2                     | 77                            | 1,953                                  | 0.001 | 38.50  | 0.04   | 1.000 | 0.99999 |
| 6021              | 1                    | 0.78                        | 66                    | 3,129                         | 1,381                                  | 0.048 | 47.41  | 2.27   | 1.000 | 0.99995 |
| 6142              | 1                    | 0.42                        | 1                     | 25                            | 340                                    | 0.003 | 25.00  | 0.07   | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 182                  | 287.68                      | 16,429                | 1,463,990                     | 177,119                                | 0.093 | 89.11  | 8.27   | 1.141 | 0.99981 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
*2/1/2023 to 2/28/2023*  
**EXCLUDING MAJOR EVENT DAYS**

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 20                   | 7.08                        | 208                   | 4,811                         | 1,777                                  | 0.117 | 23.13  | 2.71  | 1.030 | 0.99993 |
| 1051              | 4                    | 5.37                        | 164                   | 19,510                        | 560                                    | 0.293 | 118.96 | 34.84 | 2.025 | 0.99914 |
| 1082              | 3                    | 4.59                        | 630                   | 52,943                        | 1,419                                  | 0.444 | 84.04  | 37.31 | 1.003 | 0.99907 |
| 1092              | 2                    | 8.50                        | 6                     | 1,526                         | 1,050                                  | 0.006 | 254.33 | 1.45  | 1.000 | 0.99996 |
| 1093              | 1                    | 1.08                        | 1                     | 65                            | 236                                    | 0.004 | 65.00  | 0.28  | 1.000 | 0.99999 |
| 1094              | 1                    | 4.35                        | 12                    | 3,005                         | 1,279                                  | 0.009 | 250.42 | 2.35  | 1.000 | 0.99994 |
| 1101              | 6                    | 9.22                        | 6                     | 553                           | 812                                    | 0.007 | 92.17  | 0.68  | 1.000 | 0.99998 |
| 1102              | 10                   | 22.24                       | 283                   | 36,332                        | 1,127                                  | 0.251 | 128.38 | 32.24 | 2.128 | 0.99920 |
| 1211              | 1                    | 2.10                        | 1                     | 126                           | 1,517                                  | 0.001 | 126.00 | 0.08  | 1.000 | 0.99999 |
| 1212              | 2                    | 1.92                        | 2                     | 115                           | 350                                    | 0.006 | 57.50  | 0.33  | 1.000 | 0.99999 |
| 1230              | 1                    | 1.30                        | 62                    | 4,860                         | 1,253                                  | 0.049 | 78.39  | 3.88  | 1.000 | 0.99990 |
| 1273              | 1                    | 1.47                        | 1                     | 88                            | 874                                    | 0.001 | 88.00  | 0.10  | 1.000 | 0.99999 |
| 1282              | 2                    | 1.25                        | 710                   | 47,534                        | 709                                    | 1.001 | 66.95  | 67.04 | 1.001 | 0.99834 |
| 1311              | 2                    | 16.52                       | 2                     | 991                           | 288                                    | 0.007 | 495.50 | 3.44  | 1.000 | 0.99991 |
| 1451              | 1                    | 7.23                        | 6                     | 2,608                         | 586                                    | 0.010 | 434.67 | 4.45  | 1.000 | 0.99989 |
| 1453              | 3                    | 1.69                        | 1,987                 | 69,366                        | 1,845                                  | 1.077 | 34.91  | 37.60 | 1.077 | 0.99907 |
| 1455              | 1                    | 1.68                        | 1                     | 101                           | 425                                    | 0.002 | 101.00 | 0.24  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1523              | 1                    | 1.68                        | 110                   | 11,157                        | 773                                    | 0.142 | 101.43 | 14.43  | 1.000 | 0.99964 |
| 1841              | 2                    | 4.29                        | 62                    | 14,369                        | 653                                    | 0.095 | 231.76 | 22.00  | 1.016 | 0.99945 |
| 1843              | 1                    | 0.72                        | 1                     | 43                            | 1,146                                  | 0.001 | 43.00  | 0.04   | 1.000 | 0.99999 |
| 2052              | 1                    | 1.12                        | 1                     | 67                            | 86                                     | 0.012 | 67.00  | 0.78   | 1.000 | 0.99998 |
| 2091              | 5                    | 16.29                       | 420                   | 42,122                        | 950                                    | 0.442 | 100.29 | 44.34  | 1.000 | 0.99890 |
| 2092              | 2                    | 2.30                        | 15                    | 1,549                         | 962                                    | 0.016 | 103.27 | 1.61   | 1.000 | 0.99996 |
| 2171              | 1                    | 2.78                        | 1                     | 167                           | 597                                    | 0.002 | 167.00 | 0.28   | 1.000 | 0.99999 |
| 2212              | 1                    | 0.60                        | 1                     | 36                            | 1,394                                  | 0.001 | 36.00  | 0.03   | 1.000 | 0.99999 |
| 2491              | 1                    | 1.63                        | 1                     | 98                            | 66                                     | 0.015 | 98.00  | 1.48   | 1.000 | 0.99996 |
| 2511              | 2                    | 3.35                        | 24                    | 4,200                         | 631                                    | 0.038 | 175.00 | 6.66   | 1.000 | 0.99983 |
| 2621              | 1                    | 2.15                        | 236                   | 30,444                        | 1,234                                  | 0.191 | 129.00 | 24.67  | 1.000 | 0.99939 |
| 3121              | 1                    | 1.22                        | 10                    | 733                           | 1,164                                  | 0.009 | 73.30  | 0.63   | 1.000 | 0.99998 |
| 3181              | 1                    | 0.85                        | 21                    | 1,088                         | 771                                    | 0.027 | 51.81  | 1.41   | 1.000 | 0.99997 |
| 3221              | 1                    | 0.40                        | 1                     | 24                            | 1,299                                  | 0.001 | 24.00  | 0.02   | 1.000 | 0.99999 |
| 3222              | 4                    | 4.41                        | 904                   | 56,967                        | 804                                    | 1.124 | 63.02  | 70.85  | 1.339 | 0.99824 |
| 3231              | 1                    | 1.85                        | 13                    | 1,447                         | 229                                    | 0.057 | 111.31 | 6.32   | 1.000 | 0.99984 |
| 3232              | 1                    | 1.07                        | 4                     | 257                           | 452                                    | 0.009 | 64.25  | 0.57   | 1.000 | 0.99999 |
| 3302              | 1                    | 0.95                        | 1                     | 57                            | 663                                    | 0.002 | 57.00  | 0.09   | 1.000 | 0.99999 |
| 3303              | 1                    | 1.73                        | 1                     | 104                           | 1,475                                  | 0.001 | 104.00 | 0.07   | 1.000 | 0.99999 |
| 3304              | 4                    | 13.30                       | 110                   | 21,236                        | 1,186                                  | 0.093 | 193.05 | 17.91  | 1.146 | 0.99956 |
| 3315              | 6                    | 9.23                        | 3,329                 | 249,380                       | 1,620                                  | 2.055 | 74.91  | 153.94 | 2.055 | 0.99618 |
| 3423              | 1                    | 1.12                        | 1                     | 67                            | 407                                    | 0.002 | 67.00  | 0.16   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3471              | 2                    | 2.87                        | 2                     | 172                           | 502                                    | 0.004 | 86.00  | 0.34   | 1.000 | 0.99999 |
| 3472              | 1                    | 1.98                        | 1                     | 119                           | 1,347                                  | 0.001 | 119.00 | 0.09   | 1.000 | 0.99999 |
| 3552              | 2                    | 5.54                        | 28                    | 5,671                         | 590                                    | 0.047 | 202.54 | 9.61   | 1.000 | 0.99976 |
| 3591              | 1                    | 3.12                        | 1                     | 187                           | 1,587                                  | 0.001 | 187.00 | 0.12   | 1.000 | 0.99999 |
| 3592              | 2                    | 3.27                        | 3                     | 302                           | 1,824                                  | 0.002 | 100.67 | 0.17   | 1.000 | 0.99999 |
| 3621              | 14                   | 5.85                        | 52                    | 705                           | 1,626                                  | 0.032 | 13.56  | 0.43   | 1.020 | 0.99999 |
| 3662              | 1                    | 5.63                        | 902                   | 305,161                       | 902                                    | 1.000 | 338.32 | 338.32 | 1.000 | 0.99161 |
| 3664              | 3                    | 10.46                       | 103                   | 21,503                        | 588                                    | 0.175 | 208.77 | 36.57  | 1.073 | 0.99909 |
| 3702              | 1                    | 2.68                        | 5                     | 805                           | 689                                    | 0.007 | 161.00 | 1.17   | 1.000 | 0.99997 |
| 3871              | 1                    | 2.60                        | 1                     | 156                           | 1,100                                  | 0.001 | 156.00 | 0.14   | 1.000 | 0.99999 |
| 3878              | 1                    | 1.38                        | 34                    | 2,828                         | 856                                    | 0.040 | 83.18  | 3.30   | 1.000 | 0.99992 |
| 3893              | 3                    | 4.15                        | 61                    | 4,160                         | 1,205                                  | 0.051 | 68.20  | 3.45   | 1.000 | 0.99991 |
| 3901              | 1                    | 3.47                        | 1                     | 208                           | 887                                    | 0.001 | 208.00 | 0.23   | 1.000 | 0.99999 |
| 3903              | 2                    | 11.45                       | 2                     | 687                           | 319                                    | 0.006 | 343.50 | 2.15   | 1.000 | 0.99995 |
| 3951              | 2                    | 6.96                        | 6                     | 1,854                         | 967                                    | 0.006 | 309.00 | 1.92   | 1.000 | 0.99995 |
| 3952              | 1                    | 8.58                        | 14                    | 7,214                         | 917                                    | 0.015 | 515.29 | 7.87   | 1.000 | 0.99980 |
| 3953              | 2                    | 9.84                        | 6                     | 762                           | 545                                    | 0.011 | 127.00 | 1.40   | 1.000 | 0.99997 |
| 3971              | 1                    | 0.73                        | 8                     | 352                           | 703                                    | 0.011 | 44.00  | 0.50   | 1.000 | 0.99999 |
| 3981              | 1                    | 1.02                        | 9                     | 552                           | 1,587                                  | 0.006 | 61.33  | 0.35   | 1.000 | 0.99999 |
| 3982              | 4                    | 7.58                        | 189                   | 8,681                         | 1,836                                  | 0.103 | 45.93  | 4.73   | 1.005 | 0.99988 |
| 4031              | 1                    | 0.98                        | 724                   | 43,090                        | 724                                    | 1.000 | 59.52  | 59.52  | 1.000 | 0.99852 |
| 4091              | 3                    | 4.76                        | 3                     | 285                           | 1,216                                  | 0.002 | 95.00  | 0.23   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4102              | 1                    | 1.65                        | 32                    | 3,180                         | 561                                    | 0.057 | 99.38  | 5.67   | 1.000 | 0.99986 |
| 4155              | 1                    | 2.18                        | 33                    | 4,336                         | 1,739                                  | 0.019 | 131.39 | 2.49   | 1.000 | 0.99994 |
| 4171              | 5                    | 11.68                       | 10                    | 1,747                         | 1,211                                  | 0.008 | 174.70 | 1.44   | 1.250 | 0.99996 |
| 4173              | 1                    | 4.47                        | 7                     | 1,881                         | 694                                    | 0.010 | 268.71 | 2.71   | 1.000 | 0.99993 |
| 4182              | 1                    | 1.53                        | 213                   | 19,777                        | 780                                    | 0.273 | 92.85  | 25.36  | 1.000 | 0.99937 |
| 4211              | 1                    | 1.30                        | 1                     | 78                            | 806                                    | 0.001 | 78.00  | 0.10   | 1.000 | 0.99999 |
| 4212              | 1                    | 0.82                        | 1                     | 49                            | 1,101                                  | 0.001 | 49.00  | 0.04   | 1.000 | 0.99999 |
| 4222              | 3                    | 17.96                       | 15                    | 8,199                         | 1,087                                  | 0.014 | 546.60 | 7.54   | 1.071 | 0.99981 |
| 4224              | 2                    | 2.87                        | 858                   | 94,431                        | 786                                    | 1.092 | 110.06 | 120.14 | 1.094 | 0.99702 |
| 4313              | 2                    | 17.35                       | 12                    | 6,763                         | 560                                    | 0.021 | 563.58 | 12.08  | 1.000 | 0.99970 |
| 4341              | 2                    | 9.58                        | 15                    | 6,688                         | 1,861                                  | 0.008 | 445.87 | 3.59   | 1.071 | 0.99991 |
| 4362              | 3                    | 1.67                        | 605                   | 45,691                        | 844                                    | 0.717 | 75.52  | 54.14  | 1.152 | 0.99866 |
| 4371              | 3                    | 3.93                        | 59                    | 4,614                         | 1,575                                  | 0.037 | 78.20  | 2.93   | 1.000 | 0.99993 |
| 4372              | 2                    | 2.85                        | 2                     | 171                           | 440                                    | 0.005 | 85.50  | 0.39   | 1.000 | 0.99999 |
| 4373              | 1                    | 0.90                        | 1                     | 54                            | 794                                    | 0.001 | 54.00  | 0.07   | 1.000 | 0.99999 |
| 4385              | 1                    | 1.47                        | 2                     | 177                           | 1,160                                  | 0.002 | 88.50  | 0.15   | 1.000 | 0.99999 |
| 4431              | 1                    | 0.85                        | 11                    | 566                           | 1,449                                  | 0.008 | 51.45  | 0.39   | 1.000 | 0.99999 |
| 4432              | 3                    | 11.88                       | 262                   | 70,538                        | 488                                    | 0.537 | 269.23 | 144.55 | 1.679 | 0.99642 |
| 4601              | 1                    | 4.17                        | 13                    | 3,261                         | 408                                    | 0.032 | 250.85 | 7.99   | 1.000 | 0.99980 |
| 4602              | 1                    | 1.22                        | 1                     | 73                            | 988                                    | 0.001 | 73.00  | 0.07   | 1.000 | 0.99999 |
| 4692              | 2                    | 2.48                        | 13                    | 1,360                         | 506                                    | 0.026 | 104.62 | 2.69   | 1.000 | 0.99993 |
| 4714              | 2                    | 1.82                        | 2                     | 109                           | 360                                    | 0.006 | 54.50  | 0.30   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4782              | 1                    | 1.22                        | 1                     | 73                            | 100                                    | 0.010 | 73.00  | 0.73  | 1.000 | 0.99998 |
| 4791              | 1                    | 1.63                        | 1                     | 98                            | 634                                    | 0.002 | 98.00  | 0.15  | 1.000 | 0.99999 |
| 4891              | 1                    | 1.77                        | 135                   | 14,312                        | 600                                    | 0.225 | 106.01 | 23.85 | 1.000 | 0.99941 |
| 4902              | 1                    | 1.30                        | 1                     | 78                            | 1,224                                  | 0.001 | 78.00  | 0.06  | 1.000 | 0.99999 |
| 4905              | 1                    | 1.82                        | 1                     | 109                           | 410                                    | 0.002 | 109.00 | 0.27  | 1.000 | 0.99999 |
| 4906              | 2                    | 3.87                        | 63                    | 2,681                         | 1,318                                  | 0.048 | 42.56  | 2.03  | 1.000 | 0.99995 |
| 5601              | 1                    | 0.42                        | 1                     | 25                            | 1,311                                  | 0.001 | 25.00  | 0.02  | 1.000 | 0.99999 |
| 5602              | 2                    | 1.53                        | 721                   | 45,197                        | 720                                    | 1.001 | 62.69  | 62.77 | 1.001 | 0.99844 |
| 5603              | 3                    | 1.56                        | 26                    | 712                           | 1,527                                  | 0.017 | 27.38  | 0.47  | 1.000 | 0.99999 |
| 5901              | 1                    | 1.07                        | 1                     | 64                            | 902                                    | 0.001 | 64.00  | 0.07  | 1.000 | 0.99999 |
| 5902              | 3                    | 4.40                        | 143                   | 14,153                        | 978                                    | 0.146 | 98.97  | 14.47 | 1.007 | 0.99964 |
| 5905              | 3                    | 2.31                        | 3                     | 139                           | 1,953                                  | 0.002 | 46.33  | 0.07  | 1.500 | 0.99999 |
| 6022              | 1                    | 1.00                        | 1                     | 60                            | 575                                    | 0.002 | 60.00  | 0.10  | 1.000 | 0.99999 |
| 6141              | 1                    | 0.92                        | 13                    | 726                           | 658                                    | 0.020 | 55.85  | 1.10  | 1.000 | 0.99997 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 213                  | 404.98                      | 14,783                | 1,437,770                     | 177,119                                | 0.083 | 97.26  | 8.12  | 1.169 | 0.99980 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
3/1/2023 to 3/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1082              | 6                    | 14.86                       | 61                    | 6,501                         | 1,419                                  | 0.043 | 106.57 | 4.58  | 1.034 | 0.99990 |
| 1092              | 1                    | 0.58                        | 14                    | 494                           | 1,050                                  | 0.013 | 35.29  | 0.47  | 1.000 | 0.99999 |
| 1094              | 2                    | 8.10                        | 68                    | 8,232                         | 1,279                                  | 0.053 | 121.06 | 6.44  | 1.015 | 0.99986 |
| 1101              | 2                    | 0.30                        | 823                   | 7,705                         | 812                                    | 1.014 | 9.36   | 9.49  | 1.744 | 0.99979 |
| 1102              | 9                    | 26.28                       | 197                   | 31,032                        | 1,127                                  | 0.175 | 157.52 | 27.54 | 1.026 | 0.99938 |
| 1103              | 2                    | 23.06                       | 35                    | 4,041                         | 1,017                                  | 0.034 | 115.46 | 3.97  | 1.029 | 0.99991 |
| 1211              | 2                    | 3.31                        | 2                     | 199                           | 1,517                                  | 0.001 | 99.50  | 0.13  | 1.000 | 0.99999 |
| 1232              | 1                    | 4.93                        | 1                     | 296                           | 1,235                                  | 0.001 | 296.00 | 0.24  | 1.000 | 0.99999 |
| 1241              | 2                    | 3.41                        | 23                    | 2,403                         | 896                                    | 0.026 | 104.48 | 2.68  | 1.000 | 0.99994 |
| 1243              | 2                    | 2.23                        | 30                    | 2,332                         | 1,259                                  | 0.024 | 77.73  | 1.85  | 1.000 | 0.99996 |
| 1285              | 2                    | 5.02                        | 6                     | 1,278                         | 1,135                                  | 0.005 | 213.00 | 1.13  | 1.000 | 0.99997 |
| 1312              | 2                    | 2.48                        | 11                    | 936                           | 994                                    | 0.011 | 85.09  | 0.94  | 1.100 | 0.99998 |
| 1454              | 2                    | 9.17                        | 38                    | 18,000                        | 967                                    | 0.039 | 473.68 | 18.61 | 1.027 | 0.99958 |
| 1841              | 2                    | 8.77                        | 92                    | 18,904                        | 653                                    | 0.141 | 205.48 | 28.95 | 1.000 | 0.99935 |
| 1842              | 2                    | 1.37                        | 2                     | 82                            | 307                                    | 0.007 | 41.00  | 0.27  | 1.000 | 0.99999 |
| 1843              | 2                    | 2.59                        | 70                    | 7,159                         | 1,146                                  | 0.061 | 102.27 | 6.25  | 1.014 | 0.99986 |
| 2172              | 3                    | 4.95                        | 59                    | 10,922                        | 253                                    | 0.233 | 185.12 | 43.17 | 1.035 | 0.99903 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 2212              | 2                    | 3.03                        | 11                    | 689                           | 1,394                                  | 0.008 | 62.64  | 0.49   | 1.100 | 0.99999 |
| 2491              | 1                    | 1.70                        | 1                     | 102                           | 66                                     | 0.015 | 102.00 | 1.55   | 1.000 | 0.99997 |
| 2511              | 3                    | 7.82                        | 668                   | 39,755                        | 631                                    | 1.059 | 59.51  | 63.00  | 1.059 | 0.99859 |
| 2951              | 8                    | 5.81                        | 42                    | 8,581                         | 1,275                                  | 0.033 | 204.31 | 6.73   | 1.400 | 0.99985 |
| 2961              | 3                    | 3.79                        | 76                    | 8,339                         | 660                                    | 0.115 | 109.72 | 12.63  | 1.013 | 0.99972 |
| 3121              | 2                    | 1.69                        | 14                    | 764                           | 1,164                                  | 0.012 | 54.57  | 0.66   | 1.000 | 0.99999 |
| 3122              | 1                    | 1.33                        | 15                    | 1,210                         | 898                                    | 0.017 | 80.67  | 1.35   | 1.000 | 0.99997 |
| 3232              | 3                    | 3.16                        | 45                    | 2,553                         | 452                                    | 0.100 | 56.73  | 5.65   | 1.047 | 0.99987 |
| 3301              | 1                    | 12.90                       | 1                     | 774                           | 769                                    | 0.001 | 774.00 | 1.01   | 1.000 | 0.99998 |
| 3303              | 5                    | 50.69                       | 1475                  | 319,056                       | 1,475                                  | 1.000 | 216.31 | 216.31 | 1.000 | 0.99515 |
| 3304              | 1                    | 3.83                        | 27                    | 6,229                         | 1,186                                  | 0.023 | 230.70 | 5.25   | 1.000 | 0.99988 |
| 3315              | 1                    | 0.65                        | 1                     | 39                            | 1,620                                  | 0.001 | 39.00  | 0.02   | 1.000 | 0.99999 |
| 3471              | 1                    | 1.37                        | 1                     | 82                            | 502                                    | 0.002 | 82.00  | 0.16   | 1.000 | 0.99999 |
| 3551              | 1                    | 1.08                        | 1                     | 65                            | 1,049                                  | 0.001 | 65.00  | 0.06   | 1.000 | 0.99999 |
| 3552              | 2                    | 1.82                        | 21                    | 1,279                         | 590                                    | 0.036 | 60.90  | 2.17   | 1.050 | 0.99995 |
| 3553              | 4                    | 4.73                        | 42                    | 2,882                         | 887                                    | 0.047 | 68.62  | 3.25   | 1.909 | 0.99993 |
| 3591              | 1                    | 0.88                        | 17                    | 907                           | 1,587                                  | 0.011 | 53.35  | 0.57   | 1.000 | 0.99999 |
| 3592              | 1                    | 0.98                        | 4                     | 238                           | 1,824                                  | 0.002 | 59.50  | 0.13   | 1.000 | 0.99999 |
| 3662              | 3                    | 4.36                        | 33                    | 1,691                         | 902                                    | 0.037 | 51.24  | 1.87   | 1.031 | 0.99996 |
| 3663              | 3                    | 13.42                       | 5                     | 1,900                         | 321                                    | 0.016 | 380.00 | 5.92   | 1.667 | 0.99987 |
| 3664              | 1                    | 0.53                        | 1                     | 32                            | 588                                    | 0.002 | 32.00  | 0.05   | 1.000 | 0.99999 |
| 3671              | 1                    | 1.15                        | 3                     | 208                           | 670                                    | 0.004 | 69.33  | 0.31   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3675              | 1                    | 1.95                        | 3                     | 352                           | 549                                    | 0.005 | 117.33 | 0.64   | 1.000 | 0.99999 |
| 3693              | 1                    | 0.95                        | 183                   | 10,571                        | 183                                    | 1.000 | 57.77  | 57.77  | 1.000 | 0.99871 |
| 3694              | 1                    | 0.98                        | 532                   | 31,388                        | 533                                    | 0.998 | 59.00  | 58.89  | 1.000 | 0.99868 |
| 3751              | 2                    | 1.56                        | 2                     | 94                            | 940                                    | 0.002 | 47.00  | 0.10   | 1.000 | 0.99999 |
| 3871              | 1                    | 1.35                        | 1                     | 81                            | 1,100                                  | 0.001 | 81.00  | 0.07   | 1.000 | 0.99999 |
| 3872              | 1                    | 1.72                        | 19                    | 1,973                         | 1,214                                  | 0.016 | 103.84 | 1.63   | 1.000 | 0.99996 |
| 3873              | 1                    | 1.33                        | 1                     | 80                            | 821                                    | 0.001 | 80.00  | 0.10   | 1.000 | 0.99999 |
| 3891              | 4                    | 9.97                        | 37                    | 3,805                         | 466                                    | 0.079 | 102.84 | 8.17   | 1.028 | 0.99982 |
| 3893              | 1                    | 2.02                        | 1                     | 121                           | 1,205                                  | 0.001 | 121.00 | 0.10   | 1.000 | 0.99999 |
| 3901              | 4                    | 12.81                       | 1,055                 | 88,731                        | 887                                    | 1.189 | 84.11  | 100.03 | 1.191 | 0.99776 |
| 3903              | 2                    | 2.19                        | 9                     | 754                           | 319                                    | 0.028 | 83.78  | 2.36   | 1.000 | 0.99995 |
| 3912              | 1                    | 1.22                        | 1                     | 73                            | 1,429                                  | 0.001 | 73.00  | 0.05   | 1.000 | 0.99999 |
| 3913              | 2                    | 2.20                        | 126                   | 8,892                         | 831                                    | 0.152 | 70.57  | 10.70  | 1.286 | 0.99976 |
| 3914              | 1                    | 1.47                        | 60                    | 5,297                         | 400                                    | 0.150 | 88.28  | 13.24  | 1.000 | 0.99970 |
| 3952              | 10                   | 59.46                       | 406                   | 145,463                       | 917                                    | 0.443 | 358.28 | 158.63 | 1.773 | 0.99645 |
| 3953              | 1                    | 1.43                        | 1                     | 86                            | 545                                    | 0.002 | 86.00  | 0.16   | 1.000 | 0.99999 |
| 3981              | 6                    | 29.46                       | 262                   | 52,083                        | 1,587                                  | 0.165 | 198.79 | 32.82  | 1.337 | 0.99926 |
| 3982              | 2                    | 4.81                        | 60                    | 7,848                         | 1,836                                  | 0.033 | 130.80 | 4.27   | 1.000 | 0.99990 |
| 3991              | 2                    | 4.13                        | 2                     | 248                           | 769                                    | 0.003 | 124.00 | 0.32   | 1.000 | 0.99999 |
| 4091              | 4                    | 22.30                       | 4                     | 1,338                         | 1,216                                  | 0.003 | 334.50 | 1.10   | 1.333 | 0.99998 |
| 4133              | 11                   | 18.89                       | 225                   | 26,555                        | 285                                    | 0.789 | 118.02 | 93.18  | 1.047 | 0.99791 |
| 4134              | 2                    | 2.38                        | 48                    | 3,450                         | 1,288                                  | 0.037 | 71.88  | 2.68   | 2.000 | 0.99994 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4137              | 1                    | 0.77                        | 35                    | 1,616                         | 822                                    | 0.043 | 46.17  | 1.97  | 1.000 | 0.99996 |
| 4153              | 1                    | 8.83                        | 1                     | 530                           | 1,209                                  | 0.001 | 530.00 | 0.44  | 1.000 | 0.99999 |
| 4155              | 4                    | 12.35                       | 98                    | 24,507                        | 1,739                                  | 0.056 | 250.07 | 14.09 | 1.010 | 0.99968 |
| 4173              | 1                    | 1.00                        | 14                    | 847                           | 694                                    | 0.020 | 60.50  | 1.22  | 1.000 | 0.99997 |
| 4182              | 2                    | 6.76                        | 12                    | 3,358                         | 780                                    | 0.015 | 279.83 | 4.31  | 1.000 | 0.99990 |
| 4212              | 3                    | 13.86                       | 392                   | 42,702                        | 1,101                                  | 0.356 | 108.93 | 38.78 | 1.034 | 0.99913 |
| 4223              | 4                    | 3.91                        | 1,146                 | 104,442                       | 1,143                                  | 1.003 | 91.14  | 91.38 | 1.003 | 0.99795 |
| 4302              | 1                    | 0.93                        | 1                     | 56                            | 673                                    | 0.001 | 56.00  | 0.08  | 1.000 | 0.99999 |
| 4303              | 2                    | 8.88                        | 17                    | 5,243                         | 1,395                                  | 0.012 | 308.41 | 3.76  | 1.000 | 0.99992 |
| 4331              | 1                    | 0.82                        | 2                     | 98                            | 340                                    | 0.006 | 49.00  | 0.29  | 1.000 | 0.99999 |
| 4341              | 1                    | 2.35                        | 1                     | 141                           | 1,861                                  | 0.001 | 141.00 | 0.08  | 1.000 | 0.99999 |
| 4342              | 2                    | 10.45                       | 2                     | 627                           | 800                                    | 0.003 | 313.50 | 0.78  | 2.000 | 0.99998 |
| 4344              | 17                   | 43.06                       | 66                    | 12,534                        | 370                                    | 0.178 | 189.91 | 33.88 | 1.089 | 0.99924 |
| 4364              | 4                    | 32.76                       | 149                   | 45,817                        | 868                                    | 0.172 | 307.50 | 52.78 | 1.000 | 0.99882 |
| 4371              | 4                    | 11.55                       | 14                    | 2,699                         | 1,575                                  | 0.009 | 192.79 | 1.71  | 1.273 | 0.99996 |
| 4373              | 3                    | 7.32                        | 3                     | 439                           | 794                                    | 0.004 | 146.33 | 0.55  | 1.000 | 0.99999 |
| 4386              | 1                    | 1.17                        | 1                     | 70                            | 1,659                                  | 0.001 | 70.00  | 0.04  | 1.000 | 0.99999 |
| 4431              | 7                    | 20.37                       | 54                    | 4,584                         | 1,449                                  | 0.037 | 84.89  | 3.16  | 1.102 | 0.99993 |
| 4511              | 1                    | 1.12                        | 10                    | 672                           | 1,148                                  | 0.009 | 67.20  | 0.59  | 1.000 | 0.99999 |
| 4692              | 2                    | 1.60                        | 32                    | 1,919                         | 506                                    | 0.063 | 59.97  | 3.79  | 1.032 | 0.99992 |
| 4714              | 1                    | 0.90                        | 1                     | 54                            | 360                                    | 0.003 | 54.00  | 0.15  | 1.000 | 0.99999 |
| 4794              | 2                    | 1.38                        | 31                    | 1,291                         | 399                                    | 0.078 | 41.65  | 3.24  | 1.000 | 0.99993 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4901              | 1                    | 2.18                        | 1                     | 131                           | 20                                     | 0.050 | 131.00 | 6.55   | 1.000 | 0.99985 |
| 4902              | 4                    | 6.78                        | 1,243                 | 109,183                       | 1,224                                  | 1.016 | 87.84  | 89.20  | 1.016 | 0.99800 |
| 4903              | 3                    | 2.32                        | 3                     | 139                           | 168                                    | 0.018 | 46.33  | 0.83   | 1.000 | 0.99998 |
| 5603              | 1                    | 5.82                        | 22                    | 7,696                         | 1,527                                  | 0.014 | 349.82 | 5.04   | 1.000 | 0.99989 |
| 5641              | 1                    | 0.53                        | 1                     | 32                            | 349                                    | 0.003 | 32.00  | 0.09   | 1.000 | 0.99999 |
| 5905              | 6                    | 2.35                        | 2,064                 | 37,645                        | 1,960                                  | 1.053 | 18.24  | 19.21  | 1.053 | 0.99957 |
| 6141              | 1                    | 3.17                        | 658                   | 125,294                       | 658                                    | 1.000 | 190.42 | 190.42 | 1.000 | 0.99573 |
| 6142              | 1                    | 3.20                        | 340                   | 65,359                        | 340                                    | 1.000 | 192.23 | 192.23 | 1.000 | 0.99569 |
| 6143              | 1                    | 3.18                        | 382                   | 73,095                        | 382                                    | 1.000 | 191.35 | 191.35 | 1.000 | 0.99571 |
| 6144              | 1                    | 3.17                        | 328                   | 62,429                        | 328                                    | 1.000 | 190.33 | 190.33 | 1.000 | 0.99574 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 239                  | 654.75                      | 14,198                | 1,642,423                     | 177,119                                | 0.080 | 115.68 | 9.27   | 1.038 | 0.99979 |

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

4/1/2023 to 4/30/2023

EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 3                    | 4.95                        | 73                    | 8,366                         | 1,777                                  | 0.041 | 114.60 | 4.71  | 1.014 | 0.99989 |
| 1052              | 2                    | 3.53                        | 2                     | 212                           | 1,215                                  | 0.002 | 106.00 | 0.17  | 1.000 | 0.99999 |
| 1082              | 1                    | 1.10                        | 1                     | 66                            | 1,419                                  | 0.001 | 66.00  | 0.05  | 1.000 | 0.99999 |
| 1091              | 2                    | 2.43                        | 39                    | 2,894                         | 815                                    | 0.048 | 74.21  | 3.55  | 1.000 | 0.99992 |
| 1092              | 1                    | 3.42                        | 1                     | 205                           | 1,050                                  | 0.001 | 205.00 | 0.20  | 1.000 | 0.99999 |
| 1094              | 3                    | 1.77                        | 27                    | 809                           | 1,279                                  | 0.021 | 29.96  | 0.63  | 1.038 | 0.99999 |
| 1101              | 1                    | 0.48                        | 3                     | 88                            | 812                                    | 0.004 | 29.33  | 0.11  | 1.000 | 0.99999 |
| 1103              | 2                    | 2.04                        | 35                    | 2,428                         | 1,017                                  | 0.034 | 69.38  | 2.39  | 1.000 | 0.99994 |
| 1211              | 2                    | 2.43                        | 32                    | 2,961                         | 1,517                                  | 0.021 | 92.53  | 1.95  | 1.032 | 0.99995 |
| 1230              | 1                    | 0.73                        | 1                     | 44                            | 1,253                                  | 0.001 | 44.00  | 0.04  | 1.000 | 0.99999 |
| 1241              | 1                    | 0.70                        | 56                    | 2,358                         | 896                                    | 0.063 | 42.11  | 2.63  | 1.000 | 0.99994 |
| 1243              | 1                    | 1.32                        | 1                     | 79                            | 1,259                                  | 0.001 | 79.00  | 0.06  | 1.000 | 0.99999 |
| 1271              | 6                    | 4.20                        | 1,039                 | 50,548                        | 1,006                                  | 1.033 | 48.65  | 50.25 | 1.033 | 0.99884 |
| 1273              | 4                    | 3.32                        | 49                    | 2,902                         | 874                                    | 0.056 | 59.22  | 3.32  | 1.000 | 0.99992 |
| 1282              | 2                    | 3.15                        | 20                    | 2,681                         | 709                                    | 0.028 | 134.05 | 3.78  | 1.053 | 0.99991 |
| 1312              | 1                    | 1.55                        | 1                     | 93                            | 994                                    | 0.001 | 93.00  | 0.09  | 1.000 | 0.99999 |
| 1451              | 4                    | 5.71                        | 24                    | 2,496                         | 586                                    | 0.041 | 104.00 | 4.26  | 1.000 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1453              | 1                    | 1.30                        | 1                     | 78                            | 1,845                                  | 0.001 | 78.00  | 0.04  | 1.000 | 0.99999 |
| 1521              | 1                    | 1.05                        | 1                     | 63                            | 390                                    | 0.003 | 63.00  | 0.16  | 1.000 | 0.99999 |
| 1523              | 6                    | 8.80                        | 74                    | 4,951                         | 773                                    | 0.096 | 66.91  | 6.40  | 1.042 | 0.99985 |
| 1843              | 2                    | 2.37                        | 25                    | 1,817                         | 1,146                                  | 0.022 | 72.68  | 1.59  | 1.000 | 0.99996 |
| 2091              | 4                    | 5.87                        | 4                     | 352                           | 950                                    | 0.004 | 88.00  | 0.37  | 1.333 | 0.99999 |
| 2092              | 1                    | 1.13                        | 1                     | 68                            | 962                                    | 0.001 | 68.00  | 0.07  | 1.000 | 0.99999 |
| 2211              | 1                    | 0.70                        | 1                     | 42                            | 743                                    | 0.001 | 42.00  | 0.06  | 1.000 | 0.99999 |
| 2491              | 2                    | 3.32                        | 67                    | 5,968                         | 66                                     | 1.015 | 89.07  | 90.42 | 1.015 | 0.99791 |
| 2621              | 2                    | 2.02                        | 2                     | 121                           | 1,234                                  | 0.002 | 60.50  | 0.10  | 1.000 | 0.99999 |
| 2841              | 1                    | 0.82                        | 1                     | 49                            | 202                                    | 0.005 | 49.00  | 0.24  | 1.000 | 0.99999 |
| 2921              | 1                    | 1.57                        | 76                    | 7,144                         | 401                                    | 0.190 | 94.00  | 17.82 | 1.000 | 0.99959 |
| 2961              | 2                    | 4.45                        | 25                    | 3,089                         | 660                                    | 0.038 | 123.56 | 4.68  | 1.000 | 0.99989 |
| 2962              | 2                    | 2.15                        | 2                     | 129                           | 264                                    | 0.008 | 64.50  | 0.49  | 1.000 | 0.99999 |
| 3121              | 1                    | 1.22                        | 6                     | 439                           | 1,164                                  | 0.005 | 73.17  | 0.38  | 1.000 | 0.99999 |
| 3122              | 2                    | 1.37                        | 8                     | 330                           | 898                                    | 0.009 | 41.25  | 0.37  | 1.000 | 0.99999 |
| 3221              | 1                    | 0.90                        | 8                     | 436                           | 1,299                                  | 0.006 | 54.50  | 0.34  | 1.000 | 0.99999 |
| 3222              | 5                    | 14.66                       | 11                    | 4,500                         | 804                                    | 0.014 | 409.09 | 5.60  | 1.100 | 0.99987 |
| 3301              | 2                    | 0.90                        | 76                    | 2,040                         | 769                                    | 0.099 | 26.84  | 2.65  | 1.041 | 0.99994 |
| 3302              | 1                    | 1.27                        | 6                     | 459                           | 663                                    | 0.009 | 76.50  | 0.69  | 1.000 | 0.99998 |
| 3311              | 1                    | 0.70                        | 10                    | 420                           | 558                                    | 0.018 | 42.00  | 0.75  | 1.000 | 0.99998 |
| 3313              | 6                    | 8.09                        | 1,008                 | 37,265                        | 1,554                                  | 0.649 | 36.97  | 23.98 | 1.002 | 0.99944 |
| 3315              | 2                    | 2.13                        | 103                   | 7,177                         | 1,620                                  | 0.064 | 69.68  | 4.43  | 1.084 | 0.99990 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3471              | 3                    | 10.79                       | 502                   | 115,679                       | 502                                    | 1.000 | 230.44 | 230.44 | 2.083 | 0.99467 |
| 3472              | 8                    | 4.66                        | 353                   | 8,021                         | 1,347                                  | 0.262 | 22.72  | 5.95   | 1.086 | 0.99986 |
| 3552              | 3                    | 6.01                        | 8                     | 740                           | 590                                    | 0.014 | 92.50  | 1.25   | 1.143 | 0.99997 |
| 3553              | 2                    | 1.48                        | 2                     | 89                            | 887                                    | 0.002 | 44.50  | 0.10   | 1.000 | 0.99999 |
| 3591              | 1                    | 2.25                        | 1                     | 135                           | 1,587                                  | 0.001 | 135.00 | 0.09   | 1.000 | 0.99999 |
| 3592              | 3                    | 4.54                        | 57                    | 6,709                         | 1,824                                  | 0.031 | 117.70 | 3.68   | 1.018 | 0.99991 |
| 3661              | 3                    | 1.90                        | 31                    | 1,084                         | 1,120                                  | 0.028 | 34.97  | 0.97   | 1.000 | 0.99998 |
| 3692              | 1                    | 0.78                        | 1                     | 47                            | 418                                    | 0.002 | 47.00  | 0.11   | 1.000 | 0.99999 |
| 3693              | 1                    | 0.70                        | 1                     | 42                            | 183                                    | 0.005 | 42.00  | 0.23   | 1.000 | 0.99999 |
| 3701              | 4                    | 3.63                        | 4                     | 218                           | 549                                    | 0.007 | 54.50  | 0.40   | 1.000 | 0.99999 |
| 3751              | 3                    | 3.70                        | 3                     | 222                           | 940                                    | 0.003 | 74.00  | 0.24   | 1.000 | 0.99999 |
| 3872              | 1                    | 0.77                        | 2                     | 92                            | 1,214                                  | 0.002 | 46.00  | 0.08   | 1.000 | 0.99999 |
| 3878              | 1                    | 0.90                        | 78                    | 4,244                         | 856                                    | 0.091 | 54.41  | 4.96   | 1.000 | 0.99989 |
| 3893              | 3                    | 2.59                        | 661                   | 62,633                        | 1,205                                  | 0.549 | 94.75  | 51.98  | 1.003 | 0.99880 |
| 3901              | 1                    | 0.53                        | 50                    | 1,627                         | 887                                    | 0.056 | 32.54  | 1.83   | 1.000 | 0.99996 |
| 3912              | 2                    | 1.75                        | 2                     | 105                           | 1,429                                  | 0.001 | 52.50  | 0.07   | 1.000 | 0.99999 |
| 3913              | 2                    | 1.63                        | 41                    | 2,190                         | 831                                    | 0.049 | 53.41  | 2.64   | 1.000 | 0.99994 |
| 3951              | 3                    | 4.76                        | 20                    | 1,454                         | 967                                    | 0.021 | 72.70  | 1.50   | 1.053 | 0.99997 |
| 3952              | 2                    | 3.67                        | 2                     | 220                           | 917                                    | 0.002 | 110.00 | 0.24   | 1.000 | 0.99999 |
| 3953              | 4                    | 4.22                        | 27                    | 1,246                         | 545                                    | 0.050 | 46.15  | 2.29   | 1.000 | 0.99995 |
| 3981              | 2                    | 0.96                        | 13                    | 379                           | 1,587                                  | 0.008 | 29.15  | 0.24   | 1.000 | 0.99999 |
| 3982              | 4                    | 6.45                        | 105                   | 11,787                        | 1,836                                  | 0.057 | 112.26 | 6.42   | 1.010 | 0.99985 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3991              | 2                    | 1.72                        | 21                    | 1,007                         | 769                                    | 0.027 | 47.95  | 1.31  | 1.000 | 0.99997 |
| 4031              | 1                    | 0.62                        | 1                     | 37                            | 724                                    | 0.001 | 37.00  | 0.05  | 1.000 | 0.99999 |
| 4091              | 1                    | 1.13                        | 1                     | 68                            | 1,216                                  | 0.001 | 68.00  | 0.06  | 1.000 | 0.99999 |
| 4101              | 3                    | 4.40                        | 18                    | 1,746                         | 991                                    | 0.018 | 97.00  | 1.76  | 1.000 | 0.99996 |
| 4102              | 2                    | 3.33                        | 328                   | 44,460                        | 561                                    | 0.585 | 135.55 | 79.25 | 1.003 | 0.99817 |
| 4133              | 2                    | 3.13                        | 4                     | 344                           | 285                                    | 0.014 | 86.00  | 1.21  | 1.000 | 0.99997 |
| 4134              | 2                    | 2.55                        | 90                    | 7,259                         | 1,288                                  | 0.070 | 80.66  | 5.64  | 1.034 | 0.99987 |
| 4137              | 1                    | 2.80                        | 1                     | 168                           | 822                                    | 0.001 | 168.00 | 0.20  | 1.000 | 0.99999 |
| 4138              | 1                    | 2.58                        | 15                    | 2,330                         | 756                                    | 0.020 | 155.33 | 3.08  | 1.000 | 0.99993 |
| 4154              | 1                    | 1.18                        | 1                     | 71                            | 1,408                                  | 0.001 | 71.00  | 0.05  | 1.000 | 0.99999 |
| 4171              | 1                    | 1.18                        | 81                    | 5,780                         | 1,211                                  | 0.067 | 71.36  | 4.77  | 1.000 | 0.99989 |
| 4172              | 4                    | 9.46                        | 208                   | 12,188                        | 1,908                                  | 0.109 | 58.60  | 6.39  | 1.000 | 0.99985 |
| 4181              | 2                    | 4.11                        | 20                    | 1,963                         | 798                                    | 0.025 | 98.15  | 2.46  | 1.000 | 0.99994 |
| 4182              | 2                    | 2.98                        | 2                     | 179                           | 780                                    | 0.003 | 89.50  | 0.23  | 1.000 | 0.99999 |
| 4211              | 2                    | 2.18                        | 5                     | 386                           | 806                                    | 0.006 | 77.20  | 0.48  | 1.000 | 0.99999 |
| 4212              | 2                    | 2.13                        | 2                     | 128                           | 1,101                                  | 0.002 | 64.00  | 0.12  | 1.000 | 0.99999 |
| 4222              | 1                    | 1.15                        | 6                     | 414                           | 1,087                                  | 0.006 | 69.00  | 0.38  | 1.000 | 0.99999 |
| 4224              | 1                    | 3.27                        | 10                    | 1,965                         | 786                                    | 0.013 | 196.50 | 2.50  | 1.000 | 0.99994 |
| 4303              | 2                    | 16.42                       | 7                     | 3,657                         | 1,395                                  | 0.005 | 522.43 | 2.62  | 1.750 | 0.99994 |
| 4313              | 1                    | 1.43                        | 13                    | 1,119                         | 560                                    | 0.023 | 86.08  | 2.00  | 1.000 | 0.99995 |
| 4331              | 1                    | 0.92                        | 1                     | 55                            | 340                                    | 0.003 | 55.00  | 0.16  | 1.000 | 0.99999 |
| 4334              | 1                    | 5.65                        | 1                     | 339                           | 305                                    | 0.003 | 339.00 | 1.11  | 1.000 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4341              | 1                    | 1.37                        | 1                     | 82                            | 1,861                                  | 0.001 | 82.00  | 0.04  | 1.000 | 0.99999 |
| 4343              | 1                    | 1.05                        | 1                     | 63                            | 1,700                                  | 0.001 | 63.00  | 0.04  | 1.000 | 0.99999 |
| 4344              | 2                    | 2.70                        | 42                    | 1,904                         | 370                                    | 0.114 | 45.33  | 5.15  | 1.000 | 0.99988 |
| 4361              | 1                    | 1.12                        | 1                     | 67                            | 1,702                                  | 0.001 | 67.00  | 0.04  | 1.000 | 0.99999 |
| 4364              | 3                    | 1.55                        | 60                    | 1,894                         | 868                                    | 0.069 | 31.57  | 2.18  | 1.000 | 0.99995 |
| 4371              | 1                    | 1.03                        | 1                     | 62                            | 1,575                                  | 0.001 | 62.00  | 0.04  | 1.000 | 0.99999 |
| 4385              | 1                    | 2.52                        | 117                   | 17,700                        | 1,160                                  | 0.101 | 151.28 | 15.26 | 1.000 | 0.99965 |
| 4431              | 2                    | 5.68                        | 20                    | 2,120                         | 1,449                                  | 0.014 | 106.00 | 1.46  | 1.000 | 0.99997 |
| 4432              | 2                    | 1.80                        | 3                     | 181                           | 488                                    | 0.006 | 60.33  | 0.37  | 1.000 | 0.99999 |
| 4511              | 2                    | 5.64                        | 2                     | 338                           | 1,148                                  | 0.002 | 169.00 | 0.29  | 1.000 | 0.99999 |
| 4601              | 1                    | 1.37                        | 1                     | 82                            | 408                                    | 0.002 | 82.00  | 0.20  | 1.000 | 0.99999 |
| 4602              | 1                    | 1.35                        | 1                     | 81                            | 988                                    | 0.001 | 81.00  | 0.08  | 1.000 | 0.99999 |
| 4692              | 1                    | 1.07                        | 12                    | 774                           | 506                                    | 0.024 | 64.50  | 1.53  | 1.000 | 0.99996 |
| 4712              | 1                    | 2.92                        | 11                    | 1,929                         | 135                                    | 0.081 | 175.36 | 14.29 | 1.000 | 0.99967 |
| 4714              | 1                    | 0.50                        | 4                     | 123                           | 360                                    | 0.011 | 30.75  | 0.34  | 1.000 | 0.99999 |
| 4783              | 1                    | 0.48                        | 21                    | 628                           | 258                                    | 0.081 | 29.90  | 2.43  | 1.000 | 0.99994 |
| 4791              | 3                    | 1.96                        | 34                    | 1,193                         | 634                                    | 0.054 | 35.09  | 1.88  | 1.133 | 0.99996 |
| 4793              | 1                    | 0.78                        | 8                     | 378                           | 797                                    | 0.010 | 47.25  | 0.47  | 1.000 | 0.99999 |
| 4794              | 1                    | 1.15                        | 24                    | 1,662                         | 399                                    | 0.060 | 69.25  | 4.17  | 1.000 | 0.99990 |
| 4903              | 1                    | 0.78                        | 1                     | 47                            | 168                                    | 0.006 | 47.00  | 0.28  | 1.000 | 0.99999 |
| 4906              | 2                    | 1.40                        | 34                    | 1,354                         | 1,318                                  | 0.026 | 39.82  | 1.03  | 1.030 | 0.99998 |
| 5601              | 7                    | 4.53                        | 51                    | 1,307                         | 1,311                                  | 0.039 | 25.63  | 1.00  | 1.020 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|-------|-------|-------|---------|
| 5602              | 2                    | 2.00                        | 4                     | 238                           | 720                                    | 0.006 | 59.50 | 0.33  | 1.000 | 0.99999 |
| 5603              | 2                    | 1.67                        | 2                     | 100                           | 1,527                                  | 0.001 | 50.00 | 0.07  | 1.000 | 0.99999 |
| 5901              | 1                    | 0.63                        | 99                    | 3,803                         | 902                                    | 0.110 | 38.41 | 4.22  | 1.000 | 0.99990 |
| 5902              | 3                    | 2.28                        | 14                    | 623                           | 978                                    | 0.014 | 44.50 | 0.64  | 1.000 | 0.99999 |
| 5904              | 2                    | 2.78                        | 227                   | 12,434                        | 1,307                                  | 0.174 | 54.78 | 9.51  | 1.000 | 0.99978 |
| 6024              | 1                    | 0.90                        | 173                   | 9,486                         | 398                                    | 0.435 | 54.83 | 23.83 | 1.000 | 0.99945 |
| 6143              | 1                    | 0.83                        | 1                     | 50                            | 382                                    | 0.003 | 50.00 | 0.13  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI | SAIDI | CAIFI | ASAI    |
| Total:            | 226                  | 304.81                      | 6,690                 | 521,497                       | 177,119                                | 0.038 | 77.95 | 2.94  | 1.059 | 0.99993 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
5/1/2023 to 5/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1082              | 13                   | 44.55                       | 1,515                 | 104,882                       | 1,419                                  | 1.068 | 69.23  | 73.91 | 1.132 | 0.99834 |
| 1091              | 2                    | 2.51                        | 14                    | 1,399                         | 815                                    | 0.017 | 99.93  | 1.72  | 1.077 | 0.99996 |
| 1092              | 5                    | 24.08                       | 38                    | 7,707                         | 1,050                                  | 0.036 | 202.82 | 7.34  | 1.027 | 0.99984 |
| 1094              | 4                    | 5.27                        | 28                    | 1,496                         | 1,279                                  | 0.022 | 53.43  | 1.17  | 1.120 | 0.99997 |
| 1101              | 2                    | 6.85                        | 37                    | 3,013                         | 812                                    | 0.046 | 81.43  | 3.71  | 1.000 | 0.99992 |
| 1102              | 2                    | 1.34                        | 4                     | 126                           | 1,127                                  | 0.004 | 31.50  | 0.11  | 1.000 | 0.99999 |
| 1103              | 2                    | 1.57                        | 39                    | 1,760                         | 1,017                                  | 0.038 | 45.13  | 1.73  | 1.000 | 0.99996 |
| 1141              | 2                    | 2.62                        | 2                     | 157                           | 915                                    | 0.002 | 78.50  | 0.17  | 1.000 | 0.99999 |
| 1213              | 2                    | 1.44                        | 7                     | 349                           | 583                                    | 0.012 | 49.86  | 0.60  | 1.000 | 0.99999 |
| 1230              | 2                    | 2.40                        | 2                     | 144                           | 1,253                                  | 0.002 | 72.00  | 0.11  | 1.000 | 0.99999 |
| 1232              | 6                    | 15.58                       | 198                   | 25,304                        | 1,235                                  | 0.160 | 127.80 | 20.49 | 1.015 | 0.99954 |
| 1241              | 3                    | 13.74                       | 62                    | 12,575                        | 896                                    | 0.069 | 202.82 | 14.03 | 1.016 | 0.99969 |
| 1242              | 2                    | 2.51                        | 2                     | 151                           | 862                                    | 0.002 | 75.50  | 0.18  | 1.000 | 0.99999 |
| 1243              | 3                    | 2.67                        | 27                    | 1,620                         | 1,259                                  | 0.021 | 60.00  | 1.29  | 1.000 | 0.99997 |
| 1271              | 10                   | 8.41                        | 14                    | 737                           | 1,006                                  | 0.014 | 52.64  | 0.73  | 1.000 | 0.99998 |
| 1272              | 1                    | 2.93                        | 1                     | 176                           | 14                                     | 0.071 | 176.00 | 12.57 | 1.000 | 0.99972 |
| 1273              | 1                    | 0.62                        | 9                     | 335                           | 874                                    | 0.010 | 37.22  | 0.38  | 1.000 | 0.99999 |
| 1282              | 2                    | 0.97                        | 27                    | 780                           | 709                                    | 0.038 | 28.89  | 1.10  | 1.000 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1452              | 3                    | 2.38                        | 66                    | 3,545                         | 472                                    | 0.140 | 53.71  | 7.51  | 1.031 | 0.99983 |
| 1453              | 1                    | 0.37                        | 54                    | 1,178                         | 1,845                                  | 0.029 | 21.81  | 0.64  | 1.000 | 0.99999 |
| 1454              | 1                    | 1.12                        | 1                     | 67                            | 967                                    | 0.001 | 67.00  | 0.07  | 1.000 | 0.99999 |
| 1521              | 2                    | 1.72                        | 2                     | 103                           | 390                                    | 0.005 | 51.50  | 0.26  | 1.000 | 0.99999 |
| 1522              | 1                    | 1.90                        | 1                     | 114                           | 107                                    | 0.009 | 114.00 | 1.07  | 1.000 | 0.99998 |
| 1523              | 2                    | 3.45                        | 2                     | 207                           | 773                                    | 0.003 | 103.50 | 0.27  | 1.000 | 0.99999 |
| 1842              | 2                    | 1.18                        | 308                   | 9,996                         | 307                                    | 1.003 | 32.45  | 32.56 | 1.003 | 0.99927 |
| 2091              | 1                    | 3.08                        | 1                     | 185                           | 950                                    | 0.001 | 185.00 | 0.19  | 1.000 | 0.99999 |
| 2092              | 3                    | 4.30                        | 33                    | 2,026                         | 962                                    | 0.034 | 61.39  | 2.11  | 1.000 | 0.99995 |
| 2171              | 1                    | 1.43                        | 1                     | 86                            | 597                                    | 0.002 | 86.00  | 0.14  | 1.000 | 0.99999 |
| 2211              | 2                    | 1.45                        | 75                    | 3,276                         | 743                                    | 0.101 | 43.68  | 4.41  | 1.000 | 0.99990 |
| 2212              | 1                    | 0.65                        | 1                     | 39                            | 1,394                                  | 0.001 | 39.00  | 0.03  | 1.000 | 0.99999 |
| 2492              | 2                    | 6.79                        | 2                     | 407                           | 30                                     | 0.067 | 203.50 | 13.57 | 1.000 | 0.99970 |
| 2501              | 1                    | 1.27                        | 79                    | 6,038                         | 84                                     | 0.940 | 76.43  | 71.88 | 1.000 | 0.99839 |
| 2511              | 4                    | 7.38                        | 10                    | 1,075                         | 631                                    | 0.016 | 107.50 | 1.70  | 1.000 | 0.99996 |
| 2621              | 3                    | 7.55                        | 3                     | 453                           | 1,234                                  | 0.002 | 151.00 | 0.37  | 1.000 | 0.99999 |
| 2622              | 2                    | 7.17                        | 2                     | 430                           | 122                                    | 0.016 | 215.00 | 3.52  | 1.000 | 0.99992 |
| 2921              | 1                    | 1.18                        | 1                     | 71                            | 401                                    | 0.002 | 71.00  | 0.18  | 1.000 | 0.99999 |
| 2951              | 3                    | 4.49                        | 35                    | 3,188                         | 1,275                                  | 0.027 | 91.09  | 2.50  | 1.000 | 0.99994 |
| 2961              | 1                    | 0.93                        | 18                    | 1,017                         | 660                                    | 0.027 | 56.50  | 1.54  | 1.000 | 0.99997 |
| 3041              | 1                    | 1.47                        | 84                    | 7,434                         | 88                                     | 0.955 | 88.50  | 84.48 | 1.000 | 0.99811 |
| 3121              | 3                    | 4.30                        | 31                    | 1,828                         | 1,164                                  | 0.027 | 58.97  | 1.57  | 1.000 | 0.99996 |
| 3122              | 3                    | 3.94                        | 25                    | 2,784                         | 898                                    | 0.028 | 111.36 | 3.10  | 1.042 | 0.99993 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3181              | 3                    | 3.54                        | 138                   | 10,116                        | 771                                    | 0.179 | 73.30  | 13.12  | 1.113 | 0.99971 |
| 3221              | 1                    | 0.75                        | 1,299                 | 59,061                        | 1,299                                  | 1.000 | 45.47  | 45.47  | 1.000 | 0.99898 |
| 3222              | 1                    | 1.05                        | 7                     | 441                           | 804                                    | 0.009 | 63.00  | 0.55   | 1.000 | 0.99999 |
| 3232              | 2                    | 9.55                        | 18                    | 5,161                         | 452                                    | 0.040 | 286.72 | 11.42  | 1.125 | 0.99974 |
| 3302              | 1                    | 0.90                        | 47                    | 2,558                         | 663                                    | 0.071 | 54.43  | 3.86   | 1.000 | 0.99991 |
| 3304              | 3                    | 3.59                        | 51                    | 3,155                         | 1,186                                  | 0.043 | 61.86  | 2.66   | 1.020 | 0.99994 |
| 3311              | 5                    | 3.56                        | 610                   | 10,643                        | 558                                    | 1.093 | 17.45  | 19.07  | 2.933 | 0.99957 |
| 3314              | 3                    | 0.28                        | 231                   | 1,306                         | 229                                    | 1.009 | 5.65   | 5.70   | 2.139 | 0.99987 |
| 3315              | 2                    | 8.49                        | 1,641                 | 766,067                       | 1,620                                  | 1.013 | 466.83 | 472.88 | 1.013 | 0.98941 |
| 3422              | 2                    | 1.45                        | 2                     | 175                           | 1,011                                  | 0.002 | 87.50  | 0.17   | 1.000 | 0.99999 |
| 3423              | 3                    | 4.85                        | 20                    | 2,210                         | 407                                    | 0.049 | 110.50 | 5.43   | 1.000 | 0.99988 |
| 3471              | 2                    | 4.04                        | 10                    | 1,321                         | 502                                    | 0.020 | 132.10 | 2.63   | 1.000 | 0.99994 |
| 3472              | 3                    | 2.50                        | 85                    | 4,353                         | 1,347                                  | 0.063 | 51.21  | 3.23   | 1.012 | 0.99993 |
| 3551              | 1                    | 2.77                        | 1                     | 166                           | 1,049                                  | 0.001 | 166.00 | 0.16   | 1.000 | 0.99999 |
| 3552              | 2                    | 1.96                        | 21                    | 1,596                         | 590                                    | 0.036 | 76.00  | 2.71   | 1.050 | 0.99994 |
| 3591              | 2                    | 3.75                        | 28                    | 4,010                         | 1,587                                  | 0.018 | 143.21 | 2.53   | 1.000 | 0.99994 |
| 3592              | 1                    | 1.77                        | 82                    | 8,709                         | 1,824                                  | 0.045 | 106.21 | 4.77   | 1.000 | 0.99989 |
| 3593              | 2                    | 4.15                        | 71                    | 9,262                         | 950                                    | 0.075 | 130.45 | 9.75   | 1.000 | 0.99978 |
| 3594              | 2                    | 7.05                        | 12                    | 3,136                         | 796                                    | 0.015 | 261.33 | 3.94   | 1.091 | 0.99991 |
| 3621              | 4                    | 11.95                       | 27                    | 9,132                         | 1,626                                  | 0.017 | 338.22 | 5.62   | 1.125 | 0.99987 |
| 3661              | 6                    | 4.82                        | 61                    | 2,410                         | 1,120                                  | 0.054 | 39.51  | 2.15   | 1.326 | 0.99995 |
| 3662              | 1                    | 0.73                        | 24                    | 1,056                         | 902                                    | 0.027 | 44.00  | 1.17   | 1.000 | 0.99997 |
| 3663              | 3                    | 2.05                        | 3                     | 123                           | 321                                    | 0.009 | 41.00  | 0.38   | 1.500 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3664              | 3                    | 5.65                        | 121                   | 12,959                        | 588                                    | 0.206 | 107.10 | 22.04 | 1.008 | 0.99951 |
| 3671              | 1                    | 1.67                        | 38                    | 3,817                         | 670                                    | 0.057 | 100.45 | 5.70  | 1.000 | 0.99987 |
| 3675              | 1                    | 1.87                        | 64                    | 7,179                         | 549                                    | 0.117 | 112.17 | 13.08 | 1.000 | 0.99971 |
| 3691              | 2                    | 3.39                        | 2                     | 203                           | 399                                    | 0.005 | 101.50 | 0.51  | 1.000 | 0.99999 |
| 3692              | 1                    | 1.02                        | 1                     | 61                            | 418                                    | 0.002 | 61.00  | 0.15  | 1.000 | 0.99999 |
| 3694              | 1                    | 2.45                        | 29                    | 4,284                         | 533                                    | 0.054 | 147.72 | 8.04  | 1.000 | 0.99982 |
| 3701              | 2                    | 1.93                        | 24                    | 1,393                         | 549                                    | 0.044 | 58.04  | 2.54  | 1.000 | 0.99994 |
| 3702              | 2                    | 0.62                        | 2                     | 37                            | 689                                    | 0.003 | 18.50  | 0.05  | 1.000 | 0.99999 |
| 3751              | 1                    | 1.00                        | 1                     | 60                            | 940                                    | 0.001 | 60.00  | 0.06  | 1.000 | 0.99999 |
| 3871              | 4                    | 4.90                        | 13                    | 674                           | 1,100                                  | 0.012 | 51.85  | 0.61  | 1.300 | 0.99999 |
| 3872              | 3                    | 2.50                        | 77                    | 3,767                         | 1,214                                  | 0.063 | 48.92  | 3.10  | 1.000 | 0.99993 |
| 3873              | 1                    | 2.07                        | 99                    | 12,237                        | 821                                    | 0.121 | 123.61 | 14.90 | 1.000 | 0.99967 |
| 3878              | 1                    | 1.32                        | 34                    | 2,699                         | 856                                    | 0.040 | 79.38  | 3.15  | 1.000 | 0.99993 |
| 3891              | 4                    | 4.31                        | 4                     | 258                           | 466                                    | 0.009 | 64.50  | 0.55  | 1.000 | 0.99999 |
| 3893              | 6                    | 9.56                        | 24                    | 2,183                         | 1,205                                  | 0.020 | 90.96  | 1.81  | 1.143 | 0.99996 |
| 3894              | 1                    | 1.73                        | 1                     | 104                           | 166                                    | 0.006 | 104.00 | 0.63  | 1.000 | 0.99999 |
| 3901              | 3                    | 7.28                        | 179                   | 26,601                        | 887                                    | 0.202 | 148.61 | 29.99 | 1.006 | 0.99933 |
| 3903              | 2                    | 7.72                        | 8                     | 2,581                         | 319                                    | 0.025 | 322.63 | 8.09  | 1.000 | 0.99982 |
| 3913              | 4                    | 11.78                       | 79                    | 12,295                        | 831                                    | 0.095 | 155.63 | 14.80 | 1.000 | 0.99967 |
| 3951              | 4                    | 8.84                        | 8                     | 2,164                         | 967                                    | 0.008 | 270.50 | 2.24  | 1.000 | 0.99995 |
| 3952              | 4                    | 2.66                        | 75                    | 4,202                         | 917                                    | 0.082 | 56.03  | 4.58  | 1.667 | 0.99990 |
| 3953              | 6                    | 23.60                       | 117                   | 35,186                        | 545                                    | 0.215 | 300.74 | 64.56 | 1.104 | 0.99855 |
| 3981              | 3                    | 2.45                        | 16                    | 845                           | 1,587                                  | 0.010 | 52.81  | 0.53  | 1.067 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3982              | 1                    | 1.47                        | 74                    | 6,475                         | 1,836                                  | 0.040 | 87.50  | 3.53  | 1.000 | 0.99992 |
| 3991              | 8                    | 11.24                       | 86                    | 9,780                         | 769                                    | 0.112 | 113.72 | 12.72 | 1.049 | 0.99972 |
| 4031              | 7                    | 16.25                       | 787                   | 71,159                        | 724                                    | 1.087 | 90.42  | 98.29 | 1.087 | 0.99780 |
| 4091              | 2                    | 3.10                        | 56                    | 5,292                         | 1,216                                  | 0.046 | 94.50  | 4.35  | 1.000 | 0.99990 |
| 4092              | 1                    | 1.17                        | 4                     | 283                           | 464                                    | 0.009 | 70.75  | 0.61  | 1.000 | 0.99999 |
| 4101              | 1                    | 0.90                        | 41                    | 2,254                         | 991                                    | 0.041 | 54.98  | 2.27  | 1.000 | 0.99995 |
| 4102              | 2                    | 2.27                        | 2                     | 136                           | 561                                    | 0.004 | 68.00  | 0.24  | 1.000 | 0.99999 |
| 4131              | 1                    | 0.52                        | 1                     | 31                            | 206                                    | 0.005 | 31.00  | 0.15  | 1.000 | 0.99999 |
| 4134              | 2                    | 1.65                        | 20                    | 1,461                         | 1,288                                  | 0.016 | 73.05  | 1.13  | 1.000 | 0.99997 |
| 4142              | 3                    | 3.29                        | 46                    | 3,495                         | 625                                    | 0.074 | 75.98  | 5.59  | 1.022 | 0.99987 |
| 4152              | 1                    | 0.20                        | 1,298                 | 16,700                        | 1,298                                  | 1.000 | 12.87  | 12.87 | 1.000 | 0.99971 |
| 4153              | 1                    | 2.55                        | 1                     | 153                           | 1,209                                  | 0.001 | 153.00 | 0.13  | 1.000 | 0.99999 |
| 4154              | 1                    | 0.80                        | 32                    | 1,552                         | 1,408                                  | 0.023 | 48.50  | 1.10  | 1.000 | 0.99998 |
| 4171              | 5                    | 6.01                        | 9                     | 570                           | 1,211                                  | 0.007 | 63.33  | 0.47  | 1.125 | 0.99999 |
| 4172              | 1                    | 1.00                        | 69                    | 4,154                         | 1,908                                  | 0.036 | 60.20  | 2.18  | 1.000 | 0.99995 |
| 4182              | 3                    | 4.55                        | 6                     | 502                           | 780                                    | 0.008 | 83.67  | 0.64  | 1.000 | 0.99999 |
| 4212              | 1                    | 1.98                        | 25                    | 2,985                         | 1,101                                  | 0.023 | 119.40 | 2.71  | 1.000 | 0.99994 |
| 4222              | 6                    | 4.92                        | 38                    | 2,703                         | 1,087                                  | 0.035 | 71.13  | 2.49  | 1.000 | 0.99994 |
| 4223              | 2                    | 1.02                        | 2                     | 61                            | 1,143                                  | 0.002 | 30.50  | 0.05  | 1.000 | 0.99999 |
| 4224              | 1                    | 3.50                        | 7                     | 1,476                         | 786                                    | 0.009 | 210.86 | 1.88  | 1.000 | 0.99996 |
| 4302              | 1                    | 0.83                        | 1                     | 50                            | 673                                    | 0.001 | 50.00  | 0.07  | 1.000 | 0.99999 |
| 4303              | 2                    | 9.28                        | 24                    | 5,980                         | 1,395                                  | 0.017 | 249.17 | 4.29  | 1.000 | 0.99990 |
| 4331              | 1                    | 1.78                        | 1                     | 107                           | 340                                    | 0.003 | 107.00 | 0.31  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4342              | 1                    | 1.58                        | 1                     | 95                            | 800                                    | 0.001 | 95.00  | 0.12  | 1.000 | 0.99999 |
| 4343              | 1                    | 1.18                        | 1                     | 71                            | 1,700                                  | 0.001 | 71.00  | 0.04  | 1.000 | 0.99999 |
| 4344              | 2                    | 1.05                        | 2                     | 63                            | 370                                    | 0.005 | 31.50  | 0.17  | 1.000 | 0.99999 |
| 4361              | 6                    | 11.52                       | 107                   | 32,625                        | 1,702                                  | 0.063 | 304.91 | 19.17 | 1.029 | 0.99957 |
| 4363              | 1                    | 4.62                        | 3                     | 833                           | 710                                    | 0.004 | 277.67 | 1.17  | 1.000 | 0.99997 |
| 4364              | 2                    | 1.55                        | 2                     | 93                            | 868                                    | 0.002 | 46.50  | 0.11  | 1.000 | 0.99999 |
| 4371              | 3                    | 5.12                        | 6                     | 752                           | 1,575                                  | 0.004 | 125.33 | 0.48  | 1.200 | 0.99999 |
| 4372              | 3                    | 4.73                        | 22                    | 1,874                         | 440                                    | 0.050 | 85.18  | 4.26  | 1.294 | 0.99990 |
| 4373              | 1                    | 2.10                        | 1                     | 126                           | 794                                    | 0.001 | 126.00 | 0.16  | 1.000 | 0.99999 |
| 4431              | 2                    | 2.81                        | 38                    | 4,393                         | 1,449                                  | 0.026 | 115.61 | 3.03  | 1.000 | 0.99993 |
| 4601              | 3                    | 9.71                        | 6                     | 1,534                         | 408                                    | 0.015 | 255.67 | 3.76  | 1.000 | 0.99992 |
| 4602              | 3                    | 5.16                        | 43                    | 3,438                         | 988                                    | 0.044 | 79.95  | 3.48  | 1.024 | 0.99992 |
| 4692              | 3                    | 1.60                        | 33                    | 1,739                         | 506                                    | 0.065 | 52.70  | 3.44  | 1.065 | 0.99992 |
| 4714              | 1                    | 1.78                        | 4                     | 430                           | 360                                    | 0.011 | 107.50 | 1.19  | 1.000 | 0.99997 |
| 4784              | 2                    | 2.87                        | 30                    | 2,871                         | 403                                    | 0.074 | 95.70  | 7.12  | 1.000 | 0.99984 |
| 4793              | 2                    | 1.65                        | 16                    | 794                           | 797                                    | 0.020 | 49.63  | 1.00  | 1.143 | 0.99998 |
| 4891              | 1                    | 1.53                        | 1                     | 92                            | 600                                    | 0.002 | 92.00  | 0.15  | 1.000 | 0.99999 |
| 4902              | 3                    | 10.90                       | 15                    | 2,301                         | 1,224                                  | 0.012 | 153.40 | 1.88  | 1.000 | 0.99996 |
| 5601              | 3                    | 2.93                        | 33                    | 1,625                         | 1,311                                  | 0.025 | 49.24  | 1.24  | 1.031 | 0.99997 |
| 5602              | 2                    | 1.64                        | 3                     | 162                           | 720                                    | 0.004 | 54.00  | 0.23  | 1.000 | 0.99999 |
| 5603              | 9                    | 9.17                        | 59                    | 3,169                         | 1,527                                  | 0.039 | 53.71  | 2.08  | 1.017 | 0.99995 |
| 5641              | 2                    | 1.55                        | 2                     | 93                            | 349                                    | 0.006 | 46.50  | 0.27  | 1.000 | 0.99999 |
| 5902              | 2                    | 1.60                        | 2                     | 96                            | 978                                    | 0.002 | 48.00  | 0.10  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 5904              | 2                    | 5.98                        | 30                    | 2,292                         | 1,307                                  | 0.023 | 76.40  | 1.75  | 1.000 | 0.99996 |
| 5905              | 2                    | 1.20                        | 51                    | 2,086                         | 1,953                                  | 0.026 | 40.90  | 1.07  | 1.000 | 0.99998 |
| 6023              | 3                    | 2.96                        | 23                    | 1,345                         | 131                                    | 0.176 | 58.48  | 10.27 | 1.150 | 0.99977 |
| 6024              | 2                    | 2.27                        | 2                     | 136                           | 398                                    | 0.005 | 68.00  | 0.34  | 1.000 | 0.99999 |
| 6141              | 2                    | 4.76                        | 683                   | 35,039                        | 658                                    | 1.038 | 51.30  | 53.25 | 1.038 | 0.99881 |
| 6142              | 2                    | 7.78                        | 341                   | 14,943                        | 340                                    | 1.003 | 43.82  | 43.95 | 1.003 | 0.99902 |
| 6143              | 1                    | 0.70                        | 382                   | 16,381                        | 382                                    | 1.000 | 42.88  | 42.88 | 1.000 | 0.99904 |
| 6144              | 1                    | 0.70                        | 328                   | 14,000                        | 328                                    | 1.000 | 42.68  | 42.68 | 1.000 | 0.99904 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 349                  | 600.41                      | 13,266                | 1,533,064                     | 177,119                                | 0.075 | 115.56 | 8.66  | 1.076 | 0.99981 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
6/1/2023 to 6/30/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1050              | 2                    | 3.75                        | 49                    | 2,485                         | 1,777                                  | 0.028 | 50.71  | 1.40   | 1.000 | 0.99997 |
| 1052              | 1                    | 4.48                        | 1                     | 269                           | 1,215                                  | 0.001 | 269.00 | 0.22   | 1.000 | 0.99999 |
| 1082              | 11                   | 15.65                       | 190                   | 12,866                        | 1,419                                  | 0.134 | 67.72  | 9.07   | 1.067 | 0.99978 |
| 1084              | 1                    | 1.60                        | 1                     | 96                            | 8                                      | 0.125 | 96.00  | 12.00  | 1.000 | 0.99971 |
| 1091              | 5                    | 5.98                        | 115                   | 10,191                        | 815                                    | 0.141 | 88.62  | 12.50  | 1.742 | 0.99970 |
| 1092              | 4                    | 3.26                        | 26                    | 724                           | 1,050                                  | 0.025 | 27.85  | 0.69   | 1.040 | 0.99998 |
| 1093              | 3                    | 2.03                        | 5                     | 188                           | 236                                    | 0.021 | 37.60  | 0.80   | 1.000 | 0.99998 |
| 1094              | 2                    | 1.70                        | 78                    | 2,756                         | 1,279                                  | 0.061 | 35.33  | 2.15   | 1.068 | 0.99995 |
| 1101              | 2                    | 3.70                        | 2                     | 222                           | 812                                    | 0.002 | 111.00 | 0.27   | 1.000 | 0.99999 |
| 1102              | 2                    | 2.00                        | 9                     | 772                           | 1,127                                  | 0.008 | 85.78  | 0.69   | 1.000 | 0.99998 |
| 1103              | 3                    | 2.68                        | 50                    | 2,565                         | 1,017                                  | 0.049 | 51.30  | 2.52   | 1.000 | 0.99994 |
| 1141              | 1                    | 1.47                        | 6                     | 532                           | 915                                    | 0.007 | 88.67  | 0.58   | 1.000 | 0.99999 |
| 1211              | 7                    | 10.34                       | 2,631                 | 273,794                       | 1,517                                  | 1.734 | 104.06 | 180.48 | 1.734 | 0.99568 |
| 1212              | 3                    | 3.67                        | 3                     | 220                           | 350                                    | 0.009 | 73.33  | 0.63   | 1.000 | 0.99998 |
| 1213              | 6                    | 4.06                        | 101                   | 2,642                         | 583                                    | 0.173 | 26.16  | 4.53   | 1.031 | 0.99989 |
| 1232              | 1                    | 0.92                        | 34                    | 1,897                         | 1,235                                  | 0.028 | 55.79  | 1.54   | 1.000 | 0.99996 |
| 1233              | 1                    | 0.88                        | 1                     | 53                            | 652                                    | 0.002 | 53.00  | 0.08   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1242              | 1                    | 1.57                        | 1                     | 94                            | 862                                    | 0.001 | 94.00  | 0.11   | 1.000 | 0.99999 |
| 1243              | 3                    | 3.21                        | 7                     | 427                           | 1,259                                  | 0.006 | 61.00  | 0.34   | 1.000 | 0.99999 |
| 1271              | 4                    | 3.79                        | 18                    | 1,032                         | 1,006                                  | 0.018 | 57.33  | 1.03   | 1.000 | 0.99998 |
| 1273              | 2                    | 2.75                        | 29                    | 2,396                         | 874                                    | 0.033 | 82.62  | 2.74   | 1.000 | 0.99993 |
| 1282              | 1                    | 0.93                        | 26                    | 1,472                         | 709                                    | 0.037 | 56.62  | 2.08   | 1.000 | 0.99995 |
| 1283              | 1                    | 0.52                        | 1                     | 31                            | 357                                    | 0.003 | 31.00  | 0.09   | 1.000 | 0.99999 |
| 1312              | 7                    | 10.07                       | 52                    | 4,220                         | 994                                    | 0.052 | 81.15  | 4.25   | 1.106 | 0.99990 |
| 1451              | 1                    | 1.02                        | 29                    | 1,794                         | 586                                    | 0.049 | 61.86  | 3.06   | 1.000 | 0.99993 |
| 1453              | 4                    | 3.02                        | 22                    | 789                           | 1,845                                  | 0.012 | 35.86  | 0.43   | 1.571 | 0.99999 |
| 1523              | 2                    | 2.95                        | 2                     | 177                           | 773                                    | 0.003 | 88.50  | 0.23   | 1.000 | 0.99999 |
| 1841              | 1                    | 1.70                        | 1                     | 102                           | 653                                    | 0.002 | 102.00 | 0.16   | 1.000 | 0.99999 |
| 1843              | 4                    | 2.50                        | 160                   | 4,611                         | 1,146                                  | 0.140 | 28.82  | 4.02   | 1.096 | 0.99990 |
| 2051              | 1                    | 1.98                        | 1                     | 119                           | 213                                    | 0.005 | 119.00 | 0.56   | 1.000 | 0.99999 |
| 2052              | 1                    | 1.13                        | 1                     | 68                            | 86                                     | 0.012 | 68.00  | 0.79   | 1.000 | 0.99998 |
| 2091              | 2                    | 3.30                        | 5                     | 617                           | 950                                    | 0.005 | 123.40 | 0.65   | 1.000 | 0.99998 |
| 2172              | 1                    | 0.57                        | 9                     | 310                           | 253                                    | 0.036 | 34.44  | 1.23   | 1.000 | 0.99997 |
| 2211              | 2                    | 2.84                        | 17                    | 1,133                         | 743                                    | 0.023 | 66.65  | 1.52   | 1.000 | 0.99996 |
| 2212              | 6                    | 6.15                        | 89                    | 4,898                         | 1,394                                  | 0.064 | 55.03  | 3.51   | 1.035 | 0.99992 |
| 2511              | 6                    | 9.83                        | 1,265                 | 143,512                       | 631                                    | 2.005 | 113.45 | 227.44 | 2.005 | 0.99455 |
| 2621              | 3                    | 2.69                        | 3                     | 161                           | 1,234                                  | 0.002 | 53.67  | 0.13   | 1.000 | 0.99999 |
| 2921              | 9                    | 10.68                       | 432                   | 70,134                        | 401                                    | 1.077 | 162.35 | 174.90 | 1.077 | 0.99581 |
| 2951              | 8                    | 12.62                       | 233                   | 18,919                        | 1,275                                  | 0.183 | 81.20  | 14.84  | 1.036 | 0.99964 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 2961              | 1                    | 1.38                        | 18                    | 1,511                         | 660                                    | 0.027 | 83.94  | 2.29   | 1.000 | 0.99995 |
| 3121              | 1                    | 0.88                        | 10                    | 536                           | 1,164                                  | 0.009 | 53.60  | 0.46   | 1.000 | 0.99999 |
| 3122              | 6                    | 8.18                        | 2,003                 | 141,317                       | 898                                    | 2.231 | 70.55  | 157.37 | 2.243 | 0.99623 |
| 3123              | 1                    | 0.63                        | 1                     | 38                            | 1,149                                  | 0.001 | 38.00  | 0.03   | 1.000 | 0.99999 |
| 3181              | 2                    | 4.08                        | 71                    | 8,778                         | 771                                    | 0.092 | 123.63 | 11.39  | 1.014 | 0.99973 |
| 3221              | 4                    | 4.42                        | 47                    | 3,080                         | 1,299                                  | 0.036 | 65.53  | 2.37   | 1.000 | 0.99994 |
| 3222              | 9                    | 10.29                       | 744                   | 68,954                        | 804                                    | 0.925 | 92.68  | 85.76  | 1.884 | 0.99795 |
| 3231              | 1                    | 0.87                        | 3                     | 158                           | 229                                    | 0.013 | 52.67  | 0.69   | 1.000 | 0.99998 |
| 3232              | 1                    | 1.32                        | 1                     | 79                            | 452                                    | 0.002 | 79.00  | 0.17   | 1.000 | 0.99999 |
| 3301              | 1                    | 0.57                        | 13                    | 443                           | 769                                    | 0.017 | 34.08  | 0.58   | 1.000 | 0.99999 |
| 3302              | 3                    | 7.05                        | 13                    | 1,301                         | 663                                    | 0.020 | 100.08 | 1.96   | 1.083 | 0.99995 |
| 3303              | 2                    | 0.93                        | 742                   | 15,038                        | 1,475                                  | 0.503 | 20.27  | 10.20  | 1.000 | 0.99976 |
| 3304              | 3                    | 3.11                        | 41                    | 2,188                         | 1,186                                  | 0.035 | 53.37  | 1.84   | 1.000 | 0.99996 |
| 3314              | 1                    | 7.08                        | 1                     | 425                           | 229                                    | 0.004 | 425.00 | 1.86   | 1.000 | 0.99996 |
| 3315              | 7                    | 13.37                       | 1,670                 | 744,514                       | 1,620                                  | 1.031 | 445.82 | 459.58 | 1.031 | 0.98899 |
| 3471              | 4                    | 7.33                        | 42                    | 3,228                         | 502                                    | 0.084 | 76.86  | 6.43   | 1.050 | 0.99985 |
| 3472              | 4                    | 6.19                        | 125                   | 9,676                         | 1,347                                  | 0.093 | 77.41  | 7.18   | 1.050 | 0.99983 |
| 3551              | 2                    | 2.44                        | 25                    | 1,005                         | 1,049                                  | 0.024 | 40.20  | 0.96   | 1.000 | 0.99998 |
| 3553              | 2                    | 2.27                        | 24                    | 1,421                         | 887                                    | 0.027 | 59.21  | 1.60   | 1.000 | 0.99996 |
| 3591              | 5                    | 12.84                       | 61                    | 9,282                         | 1,587                                  | 0.038 | 152.16 | 5.85   | 1.017 | 0.99986 |
| 3592              | 2                    | 3.28                        | 14                    | 1,955                         | 1,824                                  | 0.008 | 139.64 | 1.07   | 1.077 | 0.99997 |
| 3593              | 4                    | 11.23                       | 88                    | 13,343                        | 950                                    | 0.093 | 151.63 | 14.05  | 1.073 | 0.99966 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3594              | 3                    | 5.54                        | 555                   | 43,797                        | 796                                    | 0.697 | 78.91  | 55.02  | 1.004 | 0.99868 |
| 3621              | 3                    | 3.95                        | 3                     | 237                           | 1,626                                  | 0.002 | 79.00  | 0.15   | 1.000 | 0.99999 |
| 3661              | 6                    | 6.30                        | 335                   | 17,597                        | 1,120                                  | 0.299 | 52.53  | 15.71  | 1.015 | 0.99962 |
| 3662              | 2                    | 1.73                        | 32                    | 843                           | 902                                    | 0.035 | 26.34  | 0.93   | 1.000 | 0.99998 |
| 3663              | 1                    | 1.48                        | 1                     | 89                            | 321                                    | 0.003 | 89.00  | 0.28   | 1.000 | 0.99999 |
| 3664              | 4                    | 5.50                        | 590                   | 62,695                        | 588                                    | 1.003 | 106.26 | 106.62 | 1.867 | 0.99745 |
| 3673              | 2                    | 1.89                        | 2                     | 113                           | 277                                    | 0.007 | 56.50  | 0.41   | 1.000 | 0.99999 |
| 3692              | 1                    | 1.13                        | 1                     | 68                            | 418                                    | 0.002 | 68.00  | 0.16   | 1.000 | 0.99999 |
| 3701              | 1                    | 1.67                        | 1                     | 100                           | 549                                    | 0.002 | 100.00 | 0.18   | 1.000 | 0.99999 |
| 3702              | 2                    | 1.54                        | 46                    | 3,078                         | 689                                    | 0.067 | 66.91  | 4.47   | 1.022 | 0.99989 |
| 3751              | 7                    | 6.84                        | 85                    | 5,142                         | 940                                    | 0.090 | 60.49  | 5.47   | 1.012 | 0.99987 |
| 3872              | 2                    | 1.75                        | 77                    | 4,217                         | 1,214                                  | 0.063 | 54.77  | 3.47   | 1.013 | 0.99992 |
| 3873              | 2                    | 1.59                        | 41                    | 2,124                         | 821                                    | 0.050 | 51.80  | 2.59   | 1.000 | 0.99994 |
| 3878              | 2                    | 1.37                        | 47                    | 2,694                         | 856                                    | 0.055 | 57.32  | 3.15   | 1.044 | 0.99992 |
| 3891              | 1                    | 1.50                        | 1                     | 90                            | 466                                    | 0.002 | 90.00  | 0.19   | 1.000 | 0.99999 |
| 3901              | 1                    | 1.35                        | 1                     | 81                            | 887                                    | 0.001 | 81.00  | 0.09   | 1.000 | 0.99999 |
| 3902              | 1                    | 1.53                        | 29                    | 2,668                         | 99                                     | 0.293 | 92.00  | 26.95  | 1.000 | 0.99935 |
| 3903              | 2                    | 2.72                        | 67                    | 5,453                         | 319                                    | 0.210 | 81.39  | 17.09  | 1.000 | 0.99959 |
| 3913              | 7                    | 11.56                       | 1,026                 | 81,781                        | 831                                    | 1.235 | 79.71  | 98.41  | 1.307 | 0.99764 |
| 3914              | 1                    | 1.22                        | 33                    | 2,417                         | 400                                    | 0.083 | 73.24  | 6.04   | 1.000 | 0.99986 |
| 3951              | 5                    | 3.92                        | 9                     | 568                           | 967                                    | 0.009 | 63.11  | 0.59   | 1.000 | 0.99999 |
| 3952              | 7                    | 7.36                        | 55                    | 2,212                         | 917                                    | 0.060 | 40.22  | 2.41   | 1.078 | 0.99994 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3971              | 1                    | 2.55                        | 3                     | 461                           | 703                                    | 0.004 | 153.67 | 0.66  | 1.000 | 0.99998 |
| 3981              | 2                    | 1.46                        | 11                    | 514                           | 1,587                                  | 0.007 | 46.73  | 0.32  | 1.000 | 0.99999 |
| 3982              | 7                    | 9.09                        | 132                   | 10,570                        | 1,836                                  | 0.072 | 80.08  | 5.76  | 1.000 | 0.99986 |
| 3991              | 7                    | 13.45                       | 58                    | 7,459                         | 769                                    | 0.075 | 128.60 | 9.70  | 1.055 | 0.99977 |
| 4091              | 7                    | 8.03                        | 74                    | 5,581                         | 1,216                                  | 0.061 | 75.42  | 4.59  | 1.000 | 0.99989 |
| 4101              | 3                    | 3.51                        | 116                   | 8,833                         | 991                                    | 0.117 | 76.15  | 8.91  | 1.234 | 0.99979 |
| 4131              | 1                    | 3.73                        | 2                     | 449                           | 206                                    | 0.010 | 224.50 | 2.18  | 1.000 | 0.99995 |
| 4133              | 1                    | 0.70                        | 20                    | 849                           | 285                                    | 0.070 | 42.45  | 2.98  | 1.000 | 0.99993 |
| 4137              | 4                    | 3.49                        | 38                    | 2,020                         | 822                                    | 0.046 | 53.16  | 2.46  | 1.086 | 0.99994 |
| 4141              | 1                    | 3.87                        | 1                     | 232                           | 85                                     | 0.012 | 232.00 | 2.73  | 1.000 | 0.99993 |
| 4152              | 5                    | 5.47                        | 25                    | 1,606                         | 1,298                                  | 0.019 | 64.24  | 1.24  | 1.136 | 0.99997 |
| 4155              | 1                    | 1.48                        | 38                    | 3,414                         | 1,739                                  | 0.022 | 89.84  | 1.96  | 1.000 | 0.99995 |
| 4171              | 4                    | 5.06                        | 8                     | 588                           | 1,211                                  | 0.007 | 73.50  | 0.49  | 1.000 | 0.99999 |
| 4172              | 1                    | 0.32                        | 6                     | 114                           | 1,908                                  | 0.003 | 19.00  | 0.06  | 1.000 | 0.99999 |
| 4173              | 1                    | 0.75                        | 33                    | 1,502                         | 694                                    | 0.048 | 45.52  | 2.16  | 1.000 | 0.99995 |
| 4181              | 5                    | 21.83                       | 60                    | 16,567                        | 798                                    | 0.075 | 276.12 | 20.76 | 1.000 | 0.99950 |
| 4182              | 1                    | 1.50                        | 1                     | 90                            | 780                                    | 0.001 | 90.00  | 0.12  | 1.000 | 0.99999 |
| 4211              | 3                    | 2.52                        | 43                    | 1,486                         | 806                                    | 0.053 | 34.56  | 1.84  | 1.000 | 0.99996 |
| 4212              | 4                    | 7.17                        | 62                    | 4,223                         | 1,101                                  | 0.056 | 68.11  | 3.84  | 1.016 | 0.99991 |
| 4222              | 2                    | 2.20                        | 10                    | 696                           | 1,087                                  | 0.009 | 69.60  | 0.64  | 1.000 | 0.99998 |
| 4223              | 4                    | 4.23                        | 64                    | 3,432                         | 1,143                                  | 0.056 | 53.63  | 3.00  | 1.032 | 0.99993 |
| 4224              | 1                    | 4.25                        | 10                    | 2,550                         | 786                                    | 0.013 | 255.00 | 3.24  | 1.000 | 0.99992 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4301              | 2                    | 2.25                        | 12                    | 813                           | 111                                    | 0.108 | 67.75  | 7.32   | 1.000 | 0.99982 |
| 4303              | 5                    | 18.58                       | 87                    | 10,324                        | 1,395                                  | 0.062 | 118.67 | 7.40   | 1.012 | 0.99982 |
| 4311              | 1                    | 0.52                        | 23                    | 731                           | 764                                    | 0.030 | 31.78  | 0.96   | 1.000 | 0.99998 |
| 4312              | 1                    | 1.48                        | 3                     | 269                           | 928                                    | 0.003 | 89.67  | 0.29   | 1.000 | 0.99999 |
| 4342              | 1                    | 0.70                        | 238                   | 10,118                        | 800                                    | 0.298 | 42.51  | 12.65  | 1.000 | 0.99970 |
| 4343              | 5                    | 6.34                        | 198                   | 14,443                        | 1,700                                  | 0.116 | 72.94  | 8.50   | 1.010 | 0.99980 |
| 4344              | 4                    | 4.85                        | 32                    | 3,199                         | 370                                    | 0.086 | 100.01 | 8.65   | 1.024 | 0.99980 |
| 4361              | 3                    | 2.80                        | 37                    | 1,605                         | 1,702                                  | 0.022 | 43.38  | 0.94   | 1.028 | 0.99998 |
| 4362              | 1                    | 5.35                        | 69                    | 22,160                        | 844                                    | 0.082 | 321.16 | 26.26  | 1.000 | 0.99937 |
| 4363              | 4                    | 6.44                        | 42                    | 2,998                         | 710                                    | 0.059 | 71.38  | 4.22   | 1.024 | 0.99990 |
| 4364              | 4                    | 4.60                        | 116                   | 4,476                         | 868                                    | 0.134 | 38.59  | 5.16   | 1.018 | 0.99988 |
| 4371              | 4                    | 6.35                        | 50                    | 4,281                         | 1,575                                  | 0.032 | 85.62  | 2.72   | 2.083 | 0.99993 |
| 4372              | 2                    | 3.48                        | 2                     | 209                           | 440                                    | 0.005 | 104.50 | 0.48   | 1.000 | 0.99999 |
| 4383              | 1                    | 1.62                        | 1                     | 97                            | 148                                    | 0.007 | 97.00  | 0.66   | 1.000 | 0.99998 |
| 4431              | 2                    | 2.18                        | 10                    | 875                           | 1,449                                  | 0.007 | 87.50  | 0.60   | 1.111 | 0.99999 |
| 4432              | 2                    | 6.95                        | 261                   | 70,289                        | 488                                    | 0.535 | 269.31 | 144.03 | 4.424 | 0.99655 |
| 4511              | 4                    | 6.09                        | 97                    | 11,531                        | 1,148                                  | 0.084 | 118.88 | 10.04  | 1.043 | 0.99976 |
| 4602              | 1                    | 0.93                        | 32                    | 1,800                         | 988                                    | 0.032 | 56.25  | 1.82   | 1.000 | 0.99996 |
| 4692              | 5                    | 8.92                        | 86                    | 6,962                         | 506                                    | 0.170 | 80.95  | 13.76  | 1.024 | 0.99967 |
| 4714              | 3                    | 2.11                        | 6                     | 237                           | 360                                    | 0.017 | 39.50  | 0.66   | 1.200 | 0.99998 |
| 4794              | 1                    | 0.55                        | 1                     | 33                            | 399                                    | 0.003 | 33.00  | 0.08   | 1.000 | 0.99999 |
| 4903              | 1                    | 0.90                        | 2                     | 109                           | 168                                    | 0.012 | 54.50  | 0.65   | 1.000 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4906              | 9                    | 30.21                       | 2,725                 | 107,781                       | 1,320                                  | 2.064 | 39.55  | 81.65  | 2.064 | 0.99811 |
| 5601              | 5                    | 5.91                        | 1,377                 | 42,123                        | 1,311                                  | 1.050 | 30.59  | 32.13  | 1.050 | 0.99923 |
| 5602              | 2                    | 3.90                        | 1,440                 | 168,862                       | 720                                    | 2.000 | 117.27 | 234.53 | 2.000 | 0.99438 |
| 5603              | 3                    | 3.90                        | 1,559                 | 47,087                        | 1,527                                  | 1.021 | 30.20  | 30.84  | 1.021 | 0.99926 |
| 5641              | 1                    | 0.48                        | 349                   | 10,161                        | 349                                    | 1.000 | 29.11  | 29.11  | 1.000 | 0.99930 |
| 5901              | 2                    | 1.84                        | 58                    | 4,040                         | 902                                    | 0.064 | 69.66  | 4.48   | 1.018 | 0.99989 |
| 5902              | 1                    | 0.87                        | 80                    | 4,221                         | 978                                    | 0.082 | 52.76  | 4.32   | 1.000 | 0.99990 |
| 5904              | 1                    | 1.07                        | 1                     | 64                            | 1,307                                  | 0.001 | 64.00  | 0.05   | 1.000 | 0.99999 |
| 5905              | 2                    | 2.23                        | 132                   | 10,019                        | 1,953                                  | 0.068 | 75.90  | 5.13   | 1.000 | 0.99988 |
| 6021              | 3                    | 6.54                        | 12                    | 3,166                         | 1,381                                  | 0.009 | 263.83 | 2.29   | 1.091 | 0.99995 |
| 6024              | 1                    | 1.58                        | 1                     | 95                            | 398                                    | 0.003 | 95.00  | 0.24   | 1.000 | 0.99999 |
| 6142              | 2                    | 1.02                        | 2                     | 61                            | 340                                    | 0.006 | 30.50  | 0.18   | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 409                  | 597.04                      | 24,455                | 2,474,097                     | 177,119                                | 0.138 | 101.17 | 13.97  | 1.359 | 0.99967 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
7/1/2023 to 7/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 1                    | 2.88                        | 27                    | 4,695                         | 1,808                                  | 0.015 | 173.89 | 2.60  | 1.000 | 0.99994 |
| 1052              | 1                    | 0.85                        | 1                     | 51                            | 1,214                                  | 0.001 | 51.00  | 0.04  | 1.000 | 0.99999 |
| 1082              | 2                    | 2.24                        | 15                    | 1,064                         | 1,428                                  | 0.011 | 70.93  | 0.75  | 1.000 | 0.99998 |
| 1091              | 1                    | 1.28                        | 53                    | 4,096                         | 830                                    | 0.064 | 77.28  | 4.93  | 1.000 | 0.99988 |
| 1092              | 2                    | 2.59                        | 32                    | 3,269                         | 1,055                                  | 0.030 | 102.16 | 3.10  | 1.032 | 0.99992 |
| 1094              | 2                    | 3.04                        | 2                     | 182                           | 1,336                                  | 0.001 | 91.00  | 0.14  | 1.000 | 0.99999 |
| 1102              | 2                    | 6.80                        | 47                    | 14,350                        | 1,128                                  | 0.042 | 305.32 | 12.72 | 1.000 | 0.99968 |
| 1103              | 3                    | 1.68                        | 53                    | 1,884                         | 1,023                                  | 0.052 | 35.55  | 1.84  | 1.019 | 0.99995 |
| 1141              | 2                    | 2.63                        | 26                    | 1,621                         | 918                                    | 0.028 | 62.35  | 1.77  | 1.040 | 0.99996 |
| 1211              | 1                    | 1.02                        | 1                     | 61                            | 1,522                                  | 0.001 | 61.00  | 0.04  | 1.000 | 0.99999 |
| 1213              | 2                    | 1.78                        | 2                     | 107                           | 582                                    | 0.003 | 53.50  | 0.18  | 1.000 | 0.99999 |
| 1230              | 2                    | 1.49                        | 2                     | 89                            | 1,214                                  | 0.002 | 44.50  | 0.07  | 1.000 | 0.99999 |
| 1232              | 1                    | 0.67                        | 1                     | 40                            | 1,237                                  | 0.001 | 40.00  | 0.03  | 1.000 | 0.99999 |
| 1233              | 2                    | 2.69                        | 50                    | 4,540                         | 699                                    | 0.072 | 90.80  | 6.49  | 1.020 | 0.99984 |
| 1242              | 3                    | 16.93                       | 164                   | 43,098                        | 863                                    | 0.190 | 262.79 | 49.94 | 1.038 | 0.99876 |
| 1243              | 1                    | 7.62                        | 46                    | 21,061                        | 1,260                                  | 0.037 | 457.85 | 16.72 | 1.000 | 0.99959 |
| 1273              | 3                    | 10.20                       | 100                   | 14,136                        | 874                                    | 0.114 | 141.36 | 16.17 | 1.000 | 0.99960 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1282              | 1                    | 2.00                        | 1                     | 120                           | 710                                    | 0.001 | 120.00 | 0.17   | 1.000 | 0.99999 |
| 1284              | 1                    | 0.63                        | 60                    | 2,293                         | 973                                    | 0.062 | 38.22  | 2.36   | 1.000 | 0.99994 |
| 1285              | 1                    | 0.52                        | 1                     | 31                            | 1,136                                  | 0.001 | 31.00  | 0.03   | 1.000 | 0.99999 |
| 1312              | 3                    | 7.81                        | 3                     | 469                           | 998                                    | 0.003 | 156.33 | 0.47   | 1.000 | 0.99999 |
| 1452              | 3                    | 3.93                        | 3                     | 236                           | 474                                    | 0.006 | 78.67  | 0.50   | 1.000 | 0.99999 |
| 1453              | 3                    | 2.03                        | 1,870                 | 94,827                        | 1,851                                  | 1.010 | 50.71  | 51.23  | 1.010 | 0.99885 |
| 1454              | 2                    | 1.70                        | 542                   | 27,124                        | 970                                    | 0.559 | 50.04  | 27.96  | 1.000 | 0.99937 |
| 1523              | 2                    | 2.05                        | 806                   | 61,059                        | 782                                    | 1.031 | 75.76  | 78.08  | 1.031 | 0.99825 |
| 1842              | 1                    | 1.02                        | 1                     | 61                            | 308                                    | 0.003 | 61.00  | 0.20   | 1.000 | 0.99999 |
| 1843              | 5                    | 7.76                        | 31                    | 2,058                         | 1,149                                  | 0.027 | 66.39  | 1.79   | 1.069 | 0.99996 |
| 2051              | 2                    | 1.55                        | 2                     | 93                            | 214                                    | 0.009 | 46.50  | 0.43   | 1.000 | 0.99999 |
| 2091              | 1                    | 1.65                        | 1                     | 99                            | 952                                    | 0.001 | 99.00  | 0.10   | 1.000 | 0.99999 |
| 2092              | 3                    | 5.58                        | 58                    | 6,297                         | 966                                    | 0.060 | 108.57 | 6.52   | 1.000 | 0.99984 |
| 2171              | 6                    | 26.06                       | 83                    | 33,029                        | 600                                    | 0.138 | 397.94 | 55.05  | 1.051 | 0.99863 |
| 2172              | 2                    | 6.89                        | 2                     | 413                           | 254                                    | 0.008 | 206.50 | 1.63   | 1.000 | 0.99996 |
| 2211              | 12                   | 17.45                       | 102                   | 8,995                         | 746                                    | 0.137 | 88.19  | 12.06  | 1.074 | 0.99970 |
| 2212              | 1                    | 0.32                        | 1,480                 | 29,057                        | 1,480                                  | 1.000 | 19.63  | 19.63  | 1.000 | 0.99956 |
| 2501              | 1                    | 3.43                        | 45                    | 9,174                         | 84                                     | 0.536 | 203.87 | 109.21 | 1.000 | 0.99729 |
| 2621              | 1                    | 1.90                        | 2                     | 228                           | 1,222                                  | 0.002 | 114.00 | 0.19   | 1.000 | 0.99999 |
| 2841              | 1                    | 0.92                        | 1                     | 55                            | 300                                    | 0.003 | 55.00  | 0.18   | 1.000 | 0.99999 |
| 2951              | 2                    | 2.57                        | 49                    | 3,126                         | 1,276                                  | 0.038 | 63.80  | 2.45   | 1.000 | 0.99994 |
| 2961              | 2                    | 2.85                        | 661                   | 36,625                        | 660                                    | 1.002 | 55.41  | 55.49  | 1.002 | 0.99862 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 2962              | 2                    | 1.19                        | 426                   | 13,432                        | 264                                    | 1.614 | 31.53  | 50.88  | 1.626 | 0.99874 |
| 3121              | 13                   | 26.68                       | 198                   | 24,670                        | 1,166                                  | 0.170 | 124.60 | 21.16  | 1.277 | 0.99948 |
| 3123              | 1                    | 0.87                        | 401                   | 21,045                        | 1,150                                  | 0.349 | 52.48  | 18.30  | 1.000 | 0.99955 |
| 3221              | 1                    | 0.82                        | 26                    | 1,298                         | 1,301                                  | 0.020 | 49.92  | 1.00   | 1.000 | 0.99998 |
| 3231              | 3                    | 7.11                        | 68                    | 5,546                         | 230                                    | 0.296 | 81.56  | 24.11  | 1.015 | 0.99940 |
| 3232              | 1                    | 1.00                        | 2                     | 121                           | 452                                    | 0.004 | 60.50  | 0.27   | 1.000 | 0.99999 |
| 3301              | 1                    | 0.77                        | 42                    | 1,959                         | 771                                    | 0.054 | 46.64  | 2.54   | 1.000 | 0.99994 |
| 3302              | 1                    | 0.68                        | 79                    | 3,314                         | 690                                    | 0.114 | 41.95  | 4.80   | 1.000 | 0.99988 |
| 3304              | 1                    | 0.98                        | 97                    | 5,735                         | 1,189                                  | 0.082 | 59.12  | 4.82   | 1.000 | 0.99988 |
| 3311              | 1                    | 11.85                       | 1                     | 711                           | 558                                    | 0.002 | 711.00 | 1.27   | 1.000 | 0.99997 |
| 3313              | 1                    | 1.37                        | 1                     | 82                            | 1,560                                  | 0.001 | 82.00  | 0.05   | 1.000 | 0.99999 |
| 3314              | 1                    | 11.18                       | 22                    | 14,542                        | 229                                    | 0.096 | 661.00 | 63.50  | 1.000 | 0.99843 |
| 3315              | 2                    | 3.12                        | 63                    | 4,924                         | 1,622                                  | 0.039 | 78.16  | 3.04   | 1.016 | 0.99992 |
| 3471              | 4                    | 4.22                        | 32                    | 2,616                         | 504                                    | 0.063 | 81.75  | 5.19   | 1.032 | 0.99987 |
| 3472              | 2                    | 0.90                        | 71                    | 535                           | 1,352                                  | 0.053 | 7.54   | 0.40   | 1.014 | 0.99999 |
| 3551              | 3                    | 14.40                       | 52                    | 21,380                        | 1,051                                  | 0.049 | 411.15 | 20.34  | 1.000 | 0.99950 |
| 3552              | 1                    | 1.30                        | 15                    | 1,172                         | 590                                    | 0.025 | 78.13  | 1.99   | 1.000 | 0.99995 |
| 3553              | 2                    | 5.05                        | 393                   | 99,522                        | 890                                    | 0.442 | 253.24 | 111.82 | 1.000 | 0.99723 |
| 3591              | 1                    | 6.28                        | 1                     | 377                           | 1,610                                  | 0.001 | 377.00 | 0.23   | 1.000 | 0.99999 |
| 3592              | 1                    | 0.85                        | 6                     | 311                           | 1,837                                  | 0.003 | 51.83  | 0.17   | 1.000 | 0.99999 |
| 3593              | 1                    | 0.68                        | 38                    | 1,558                         | 950                                    | 0.040 | 41.00  | 1.64   | 1.000 | 0.99996 |
| 3621              | 3                    | 10.01                       | 5                     | 1,170                         | 1,643                                  | 0.003 | 234.00 | 0.71   | 1.000 | 0.99998 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3661              | 4                    | 9.84                        | 56                    | 7,454                         | 1,120                                  | 0.050 | 133.11 | 6.66   | 1.018 | 0.99983 |
| 3662              | 3                    | 1.97                        | 29                    | 899                           | 904                                    | 0.032 | 31.00  | 0.99   | 1.036 | 0.99998 |
| 3663              | 10                   | 22.99                       | 24                    | 4,483                         | 322                                    | 0.075 | 186.79 | 13.92  | 1.200 | 0.99965 |
| 3664              | 4                    | 7.60                        | 12                    | 2,095                         | 592                                    | 0.020 | 174.58 | 3.54   | 1.000 | 0.99991 |
| 3671              | 3                    | 2.85                        | 22                    | 928                           | 674                                    | 0.033 | 42.18  | 1.38   | 1.100 | 0.99997 |
| 3673              | 1                    | 1.10                        | 74                    | 4,851                         | 278                                    | 0.266 | 65.55  | 17.45  | 1.000 | 0.99957 |
| 3675              | 1                    | 0.53                        | 1                     | 32                            | 550                                    | 0.002 | 32.00  | 0.06   | 1.000 | 0.99999 |
| 3691              | 3                    | 5.90                        | 24                    | 3,588                         | 402                                    | 0.060 | 149.50 | 8.93   | 1.043 | 0.99978 |
| 3693              | 1                    | 5.68                        | 1                     | 341                           | 183                                    | 0.005 | 341.00 | 1.86   | 1.000 | 0.99995 |
| 3701              | 3                    | 4.09                        | 30                    | 2,463                         | 550                                    | 0.055 | 82.10  | 4.48   | 1.034 | 0.99989 |
| 3751              | 5                    | 14.66                       | 1,071                 | 252,762                       | 940                                    | 1.139 | 236.01 | 268.90 | 1.139 | 0.99333 |
| 3871              | 2                    | 15.93                       | 334                   | 156,871                       | 1,102                                  | 0.303 | 469.67 | 142.35 | 1.084 | 0.99647 |
| 3872              | 1                    | 2.27                        | 9                     | 1,232                         | 1,220                                  | 0.007 | 136.89 | 1.01   | 1.000 | 0.99997 |
| 3873              | 1                    | 1.62                        | 87                    | 8,461                         | 824                                    | 0.106 | 97.25  | 10.27  | 1.000 | 0.99975 |
| 3878              | 2                    | 8.95                        | 35                    | 3,875                         | 864                                    | 0.041 | 110.71 | 4.48   | 1.000 | 0.99989 |
| 3892              | 1                    | 4.45                        | 1                     | 267                           | 557                                    | 0.002 | 267.00 | 0.48   | 1.000 | 0.99999 |
| 3893              | 4                    | 5.54                        | 6                     | 410                           | 1,212                                  | 0.005 | 68.33  | 0.34   | 1.000 | 0.99999 |
| 3894              | 1                    | 3.53                        | 6                     | 1,277                         | 166                                    | 0.036 | 212.83 | 7.69   | 1.000 | 0.99981 |
| 3901              | 5                    | 12.09                       | 28                    | 4,450                         | 890                                    | 0.031 | 158.93 | 5.00   | 1.167 | 0.99988 |
| 3902              | 1                    | 1.33                        | 10                    | 808                           | 99                                     | 0.101 | 80.80  | 8.16   | 1.000 | 0.99980 |
| 3912              | 2                    | 2.07                        | 1,438                 | 123,381                       | 1,437                                  | 1.001 | 85.80  | 85.86  | 1.001 | 0.99808 |
| 3913              | 2                    | 2.15                        | 1,011                 | 84,655                        | 988                                    | 1.023 | 83.73  | 85.69  | 1.023 | 0.99808 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3914              | 1                    | 1.42                        | 405                   | 34,526                        | 405                                    | 1.000 | 85.25  | 85.25 | 1.000 | 0.99809 |
| 3951              | 6                    | 10.21                       | 370                   | 65,737                        | 970                                    | 0.381 | 177.67 | 67.77 | 1.072 | 0.99832 |
| 3952              | 7                    | 15.73                       | 125                   | 13,083                        | 923                                    | 0.135 | 104.66 | 14.17 | 1.000 | 0.99965 |
| 3953              | 3                    | 4.20                        | 3                     | 252                           | 548                                    | 0.005 | 84.00  | 0.46  | 1.000 | 0.99999 |
| 3971              | 4                    | 3.83                        | 57                    | 3,258                         | 706                                    | 0.081 | 57.16  | 4.61  | 1.056 | 0.99989 |
| 3981              | 5                    | 6.33                        | 1,627                 | 85,597                        | 1,601                                  | 1.016 | 52.61  | 53.46 | 1.016 | 0.99880 |
| 3982              | 7                    | 9.56                        | 2,223                 | 113,263                       | 1,848                                  | 1.207 | 50.95  | 61.52 | 1.207 | 0.99862 |
| 3991              | 5                    | 13.40                       | 54                    | 5,834                         | 771                                    | 0.070 | 108.04 | 7.57  | 1.080 | 0.99981 |
| 4031              | 1                    | 2.97                        | 20                    | 3,575                         | 724                                    | 0.028 | 178.75 | 4.94  | 1.000 | 0.99988 |
| 4091              | 4                    | 7.61                        | 52                    | 6,972                         | 1,219                                  | 0.043 | 134.08 | 5.72  | 1.000 | 0.99986 |
| 4092              | 2                    | 4.95                        | 6                     | 892                           | 466                                    | 0.013 | 148.67 | 1.91  | 1.000 | 0.99995 |
| 4101              | 5                    | 12.23                       | 103                   | 10,599                        | 992                                    | 0.104 | 102.90 | 10.68 | 1.020 | 0.99974 |
| 4102              | 2                    | 6.95                        | 2                     | 417                           | 562                                    | 0.004 | 208.50 | 0.74  | 1.000 | 0.99998 |
| 4132              | 1                    | 0.62                        | 10                    | 379                           | 575                                    | 0.017 | 37.90  | 0.66  | 1.000 | 0.99998 |
| 4135              | 1                    | 1.90                        | 1                     | 114                           | 66                                     | 0.015 | 114.00 | 1.73  | 1.000 | 0.99996 |
| 4137              | 2                    | 17.42                       | 3                     | 1,651                         | 822                                    | 0.004 | 550.33 | 2.01  | 1.000 | 0.99995 |
| 4142              | 2                    | 5.54                        | 15                    | 1,519                         | 625                                    | 0.024 | 101.27 | 2.43  | 1.000 | 0.99994 |
| 4154              | 2                    | 1.98                        | 56                    | 3,480                         | 1,446                                  | 0.039 | 62.14  | 2.41  | 1.000 | 0.99994 |
| 4171              | 4                    | 6.40                        | 28                    | 2,067                         | 1,214                                  | 0.023 | 73.82  | 1.70  | 1.037 | 0.99996 |
| 4172              | 3                    | 6.30                        | 48                    | 6,526                         | 1,908                                  | 0.025 | 135.96 | 3.42  | 1.021 | 0.99992 |
| 4173              | 1                    | 4.05                        | 4                     | 975                           | 696                                    | 0.006 | 243.75 | 1.40  | 1.000 | 0.99997 |
| 4211              | 1                    | 1.20                        | 167                   | 12,177                        | 814                                    | 0.205 | 72.92  | 14.96 | 1.000 | 0.99963 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4212              | 1                    | 2.72                        | 1                     | 163                           | 1,107                                  | 0.001 | 163.00 | 0.15   | 1.000 | 0.99999 |
| 4222              | 1                    | 0.13                        | 1                     | 8                             | 1,092                                  | 0.001 | 8.00   | 0.01   | 1.000 | 0.99999 |
| 4223              | 2                    | 1.82                        | 34                    | 1,814                         | 1,145                                  | 0.030 | 53.35  | 1.58   | 1.000 | 0.99996 |
| 4303              | 2                    | 1.66                        | 104                   | 5,391                         | 1,408                                  | 0.074 | 51.84  | 3.83   | 1.000 | 0.99991 |
| 4304              | 1                    | 2.85                        | 1                     | 171                           | 246                                    | 0.004 | 171.00 | 0.70   | 1.000 | 0.99998 |
| 4311              | 1                    | 0.62                        | 36                    | 1,352                         | 764                                    | 0.047 | 37.56  | 1.77   | 1.000 | 0.99996 |
| 4313              | 1                    | 1.73                        | 556                   | 57,888                        | 562                                    | 0.989 | 104.12 | 103.00 | 1.000 | 0.99745 |
| 4323              | 1                    | 0.80                        | 1                     | 48                            | 307                                    | 0.003 | 48.00  | 0.16   | 1.000 | 0.99999 |
| 4341              | 4                    | 7.01                        | 38                    | 2,940                         | 1,879                                  | 0.020 | 77.37  | 1.56   | 1.027 | 0.99996 |
| 4342              | 2                    | 2.85                        | 2                     | 171                           | 803                                    | 0.002 | 85.50  | 0.21   | 1.000 | 0.99999 |
| 4343              | 2                    | 2.17                        | 21                    | 1,415                         | 1,710                                  | 0.012 | 67.38  | 0.83   | 1.000 | 0.99998 |
| 4344              | 8                    | 12.37                       | 85                    | 6,658                         | 371                                    | 0.229 | 78.33  | 17.95  | 1.024 | 0.99955 |
| 4361              | 3                    | 2.97                        | 3                     | 178                           | 1,708                                  | 0.002 | 59.33  | 0.10   | 1.000 | 0.99999 |
| 4362              | 1                    | 0.78                        | 1                     | 47                            | 847                                    | 0.001 | 47.00  | 0.06   | 1.000 | 0.99999 |
| 4364              | 2                    | 1.29                        | 39                    | 1,565                         | 874                                    | 0.045 | 40.13  | 1.79   | 1.000 | 0.99996 |
| 4371              | 4                    | 7.53                        | 159                   | 22,983                        | 1,583                                  | 0.100 | 144.55 | 14.52  | 1.067 | 0.99964 |
| 4373              | 1                    | 1.02                        | 1                     | 61                            | 801                                    | 0.001 | 61.00  | 0.08   | 1.000 | 0.99999 |
| 4431              | 3                    | 6.30                        | 34                    | 4,777                         | 1,451                                  | 0.023 | 140.50 | 3.29   | 1.000 | 0.99992 |
| 4511              | 1                    | 0.73                        | 19                    | 844                           | 1,148                                  | 0.017 | 44.42  | 0.74   | 1.000 | 0.99998 |
| 4601              | 1                    | 1.18                        | 1                     | 71                            | 412                                    | 0.002 | 71.00  | 0.17   | 1.000 | 0.99999 |
| 4602              | 5                    | 26.47                       | 44                    | 3,994                         | 988                                    | 0.045 | 90.77  | 4.04   | 1.073 | 0.99990 |
| 4692              | 1                    | 1.57                        | 62                    | 5,883                         | 508                                    | 0.122 | 94.89  | 11.58  | 1.000 | 0.99971 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4712              | 1                    | 4.60                        | 14                    | 3,871                         | 136                                    | 0.103 | 276.50 | 28.46 | 1.000 | 0.99929 |
| 4714              | 1                    | 0.65                        | 66                    | 2,606                         | 361                                    | 0.183 | 39.48  | 7.22  | 1.000 | 0.99982 |
| 4791              | 5                    | 14.36                       | 68                    | 15,885                        | 642                                    | 0.106 | 233.60 | 24.74 | 1.079 | 0.99939 |
| 4891              | 1                    | 1.05                        | 9                     | 575                           | 602                                    | 0.015 | 63.89  | 0.96  | 1.000 | 0.99998 |
| 4892              | 1                    | 1.67                        | 1                     | 100                           | 334                                    | 0.003 | 100.00 | 0.30  | 1.000 | 0.99999 |
| 4902              | 4                    | 3.14                        | 43                    | 1,697                         | 1,226                                  | 0.035 | 39.47  | 1.38  | 1.049 | 0.99997 |
| 4905              | 1                    | 0.93                        | 1                     | 56                            | 408                                    | 0.002 | 56.00  | 0.14  | 1.000 | 0.99999 |
| 5601              | 6                    | 6.70                        | 1,432                 | 55,613                        | 1,319                                  | 1.086 | 38.84  | 42.16 | 1.086 | 0.99906 |
| 5602              | 3                    | 3.65                        | 41                    | 2,716                         | 720                                    | 0.057 | 66.24  | 3.77  | 1.000 | 0.99991 |
| 5603              | 4                    | 2.56                        | 70                    | 3,209                         | 1,532                                  | 0.046 | 45.84  | 2.09  | 1.045 | 0.99995 |
| 5902              | 3                    | 4.08                        | 3                     | 245                           | 978                                    | 0.003 | 81.67  | 0.25  | 1.000 | 0.99999 |
| 5904              | 2                    | 0.85                        | 48                    | 1,393                         | 1,310                                  | 0.037 | 29.02  | 1.06  | 1.000 | 0.99997 |
| 5905              | 2                    | 4.20                        | 9                     | 1,484                         | 1,975                                  | 0.005 | 164.89 | 0.75  | 1.000 | 0.99998 |
| 6021              | 4                    | 6.49                        | 17                    | 2,123                         | 1,384                                  | 0.012 | 124.88 | 1.53  | 1.133 | 0.99996 |
| 6023              | 1                    | 0.52                        | 6                     | 190                           | 131                                    | 0.046 | 31.67  | 1.45  | 1.000 | 0.99996 |
| 6142              | 1                    | 1.53                        | 1                     | 92                            | 340                                    | 0.003 | 92.00  | 0.27  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 351                  | 702.98                      | 21,225                | 1,904,587                     | 176,994                                | 0.120 | 89.73  | 10.76 | 1.048 | 0.99973 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
8/1/2023 to 8/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 1050              | 1                    | 4.40                        | 1                     | 264                           | 1,840                                  | 0.001 | 264.00  | 0.14   | 1.000 | 0.99999 |
| 1051              | 3                    | 10.90                       | 46                    | 5,667                         | 562                                    | 0.082 | 123.20  | 10.08  | 1.095 | 0.99977 |
| 1082              | 23                   | 50.54                       | 133                   | 23,270                        | 1,437                                  | 0.093 | 174.96  | 16.19  | 1.147 | 0.99964 |
| 1091              | 1                    | 3.68                        | 5                     | 1,105                         | 844                                    | 0.006 | 221.00  | 1.31   | 1.000 | 0.99997 |
| 1092              | 4                    | 3.20                        | 4                     | 192                           | 1,060                                  | 0.004 | 48.00   | 0.18   | 1.000 | 0.99999 |
| 1093              | 1                    | 1.17                        | 3                     | 211                           | 238                                    | 0.013 | 70.33   | 0.89   | 1.000 | 0.99998 |
| 1094              | 3                    | 5.47                        | 70                    | 16,639                        | 1,394                                  | 0.050 | 237.70  | 11.94  | 1.045 | 0.99973 |
| 1102              | 1                    | 0.78                        | 3                     | 141                           | 1,130                                  | 0.003 | 47.00   | 0.12   | 1.000 | 0.99999 |
| 1103              | 1                    | 1.30                        | 1                     | 78                            | 1,029                                  | 0.001 | 78.00   | 0.08   | 1.000 | 0.99999 |
| 1104              | 2                    | 9.23                        | 167                   | 34,254                        | 204                                    | 0.819 | 205.11  | 167.91 | 1.265 | 0.99624 |
| 1141              | 3                    | 58.25                       | 3                     | 3,495                         | 921                                    | 0.003 | 1165.00 | 3.79   | 1.000 | 0.99991 |
| 1211              | 4                    | 3.37                        | 112                   | 5,828                         | 1,526                                  | 0.073 | 52.04   | 3.82   | 1.204 | 0.99991 |
| 1213              | 1                    | 0.88                        | 3                     | 160                           | 581                                    | 0.005 | 53.33   | 0.28   | 1.000 | 0.99999 |
| 1230              | 3                    | 5.28                        | 1,186                 | 149,999                       | 1,174                                  | 1.010 | 126.47  | 127.77 | 1.012 | 0.99714 |
| 1232              | 3                    | 6.39                        | 1,241                 | 136,564                       | 1,239                                  | 1.002 | 110.04  | 110.22 | 1.002 | 0.99753 |
| 1233              | 1                    | 2.15                        | 746                   | 96,457                        | 746                                    | 1.000 | 129.30  | 129.30 | 1.000 | 0.99710 |
| 1241              | 2                    | 2.40                        | 2                     | 144                           | 901                                    | 0.002 | 72.00   | 0.16   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1243              | 6                    | 26.92                       | 161                   | 20,634                        | 1,262                                  | 0.128 | 128.16 | 16.35  | 1.019 | 0.99963 |
| 1271              | 5                    | 13.80                       | 99                    | 34,196                        | 1,008                                  | 0.098 | 345.41 | 33.92  | 1.042 | 0.99924 |
| 1281              | 1                    | 4.53                        | 14                    | 3,812                         | 178                                    | 0.079 | 272.29 | 21.42  | 1.000 | 0.99952 |
| 1282              | 1                    | 0.92                        | 1                     | 55                            | 711                                    | 0.001 | 55.00  | 0.08   | 1.000 | 0.99999 |
| 1285              | 1                    | 5.97                        | 1                     | 358                           | 1,136                                  | 0.001 | 358.00 | 0.32   | 1.000 | 0.99999 |
| 1286              | 1                    | 2.70                        | 1                     | 162                           | 76                                     | 0.013 | 162.00 | 2.13   | 1.000 | 0.99995 |
| 1311              | 3                    | 2.84                        | 3                     | 171                           | 289                                    | 0.010 | 57.00  | 0.59   | 1.000 | 0.99999 |
| 1312              | 3                    | 2.39                        | 3                     | 143                           | 1,001                                  | 0.003 | 47.67  | 0.14   | 1.000 | 0.99999 |
| 1452              | 1                    | 2.53                        | 49                    | 7,452                         | 475                                    | 0.103 | 152.08 | 15.69  | 1.000 | 0.99965 |
| 1453              | 1                    | 0.78                        | 1                     | 47                            | 1,851                                  | 0.001 | 47.00  | 0.03   | 1.000 | 0.99999 |
| 1454              | 2                    | 1.68                        | 2                     | 101                           | 970                                    | 0.002 | 50.50  | 0.10   | 1.000 | 0.99999 |
| 1523              | 1                    | 6.47                        | 1                     | 388                           | 782                                    | 0.001 | 388.00 | 0.50   | 1.000 | 0.99999 |
| 1841              | 3                    | 5.90                        | 3                     | 354                           | 654                                    | 0.005 | 118.00 | 0.54   | 1.000 | 0.99999 |
| 1843              | 5                    | 8.20                        | 23                    | 1,505                         | 1,152                                  | 0.020 | 65.43  | 1.31   | 1.045 | 0.99997 |
| 2051              | 2                    | 3.42                        | 17                    | 1,803                         | 215                                    | 0.079 | 106.06 | 8.39   | 1.000 | 0.99981 |
| 2052              | 2                    | 3.89                        | 2                     | 233                           | 88                                     | 0.023 | 116.50 | 2.65   | 1.000 | 0.99994 |
| 2091              | 3                    | 4.64                        | 4                     | 381                           | 954                                    | 0.004 | 95.25  | 0.40   | 1.000 | 0.99999 |
| 2092              | 1                    | 2.77                        | 1                     | 166                           | 969                                    | 0.001 | 166.00 | 0.17   | 1.000 | 0.99999 |
| 2171              | 2                    | 3.42                        | 10                    | 566                           | 604                                    | 0.017 | 56.60  | 0.94   | 1.000 | 0.99998 |
| 2211              | 1                    | 1.30                        | 36                    | 2,801                         | 749                                    | 0.048 | 77.81  | 3.74   | 1.000 | 0.99992 |
| 2212              | 7                    | 17.06                       | 27                    | 5,530                         | 1,480                                  | 0.018 | 204.81 | 3.74   | 1.080 | 0.99992 |
| 2511              | 5                    | 7.12                        | 844                   | 98,014                        | 631                                    | 1.338 | 116.13 | 155.33 | 1.338 | 0.99652 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 2621              | 16                   | 92.04                       | 94                    | 19,535                        | 1,210                                  | 0.078 | 207.82  | 16.14  | 1.119 | 0.99964 |
| 2622              | 3                    | 4.37                        | 121                   | 10,754                        | 122                                    | 0.992 | 88.88   | 88.15  | 1.052 | 0.99803 |
| 2921              | 1                    | 1.02                        | 5                     | 309                           | 406                                    | 0.012 | 61.80   | 0.76   | 1.000 | 0.99998 |
| 2951              | 13                   | 35.38                       | 267                   | 47,395                        | 1,278                                  | 0.209 | 177.51  | 37.09  | 1.027 | 0.99917 |
| 2952              | 1                    | 1.23                        | 1                     | 74                            | 389                                    | 0.003 | 74.00   | 0.19   | 1.000 | 0.99999 |
| 2961              | 2                    | 2.58                        | 2                     | 155                           | 660                                    | 0.003 | 77.50   | 0.23   | 2.000 | 0.99999 |
| 3121              | 4                    | 12.38                       | 34                    | 18,650                        | 1,168                                  | 0.029 | 548.53  | 15.97  | 1.097 | 0.99964 |
| 3122              | 5                    | 54.77                       | 19                    | 4,189                         | 901                                    | 0.021 | 220.47  | 4.65   | 1.267 | 0.99990 |
| 3123              | 1                    | 0.68                        | 1                     | 41                            | 1,152                                  | 0.001 | 41.00   | 0.04   | 1.000 | 0.99999 |
| 3181              | 1                    | 0.87                        | 29                    | 1,526                         | 780                                    | 0.037 | 52.62   | 1.96   | 1.000 | 0.99996 |
| 3221              | 3                    | 3.68                        | 77                    | 4,477                         | 1,303                                  | 0.059 | 58.14   | 3.44   | 1.013 | 0.99992 |
| 3222              | 3                    | 3.64                        | 9                     | 625                           | 808                                    | 0.011 | 69.44   | 0.77   | 1.000 | 0.99998 |
| 3301              | 4                    | 61.10                       | 4                     | 3,666                         | 773                                    | 0.005 | 916.50  | 4.74   | 1.000 | 0.99989 |
| 3302              | 1                    | 1.95                        | 1                     | 117                           | 717                                    | 0.001 | 117.00  | 0.16   | 1.000 | 0.99999 |
| 3304              | 1                    | 20.93                       | 38                    | 47,734                        | 1,192                                  | 0.032 | 1256.16 | 40.05  | 1.000 | 0.99910 |
| 3311              | 10                   | 81.53                       | 127                   | 37,226                        | 559                                    | 0.227 | 293.12  | 66.59  | 1.380 | 0.99851 |
| 3313              | 3                    | 0.58                        | 3                     | 35                            | 1,565                                  | 0.002 | 11.67   | 0.02   | 1.000 | 0.99999 |
| 3315              | 5                    | 24.94                       | 1,749                 | 167,504                       | 1,625                                  | 1.076 | 95.77   | 103.08 | 1.076 | 0.99769 |
| 3422              | 1                    | 1.83                        | 470                   | 51,764                        | 1,015                                  | 0.463 | 110.00  | 51.00  | 1.000 | 0.99886 |
| 3423              | 2                    | 7.73                        | 2                     | 464                           | 407                                    | 0.005 | 232.00  | 1.14   | 1.000 | 0.99997 |
| 3471              | 1                    | 4.78                        | 18                    | 5,167                         | 507                                    | 0.036 | 287.06  | 10.19  | 1.000 | 0.99977 |
| 3472              | 7                    | 13.83                       | 104                   | 8,937                         | 1,356                                  | 0.077 | 85.93   | 6.59   | 1.030 | 0.99985 |
| 3552              | 1                    | 2.13                        | 1                     | 128                           | 591                                    | 0.002 | 128.00  | 0.22   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3592              | 5                    | 35.46                       | 32                    | 4,321                         | 1,850                                  | 0.017 | 135.03 | 2.34  | 1.000 | 0.99995 |
| 3593              | 4                    | 19.07                       | 99                    | 26,933                        | 951                                    | 0.104 | 272.05 | 28.32 | 1.000 | 0.99937 |
| 3621              | 3                    | 4.90                        | 450                   | 63,716                        | 1,660                                  | 0.271 | 141.59 | 38.38 | 1.004 | 0.99914 |
| 3661              | 3                    | 2.58                        | 5                     | 215                           | 1,121                                  | 0.004 | 43.00  | 0.19  | 1.000 | 0.99999 |
| 3662              | 4                    | 2.73                        | 71                    | 2,536                         | 906                                    | 0.078 | 35.72  | 2.80  | 1.029 | 0.99994 |
| 3663              | 2                    | 1.91                        | 2                     | 115                           | 322                                    | 0.006 | 57.50  | 0.36  | 1.000 | 0.99999 |
| 3664              | 7                    | 9.15                        | 128                   | 10,597                        | 595                                    | 0.215 | 82.79  | 17.81 | 1.067 | 0.99960 |
| 3691              | 1                    | 0.78                        | 3                     | 142                           | 406                                    | 0.007 | 47.33  | 0.35  | 1.000 | 0.99999 |
| 3694              | 1                    | 0.53                        | 1                     | 32                            | 550                                    | 0.002 | 32.00  | 0.06  | 1.000 | 0.99999 |
| 3702              | 1                    | 5.25                        | 14                    | 4,422                         | 745                                    | 0.019 | 315.86 | 5.94  | 1.000 | 0.99987 |
| 3751              | 3                    | 5.00                        | 942                   | 55,748                        | 940                                    | 1.002 | 59.18  | 59.31 | 1.002 | 0.99867 |
| 3871              | 1                    | 3.25                        | 1                     | 195                           | 1,104                                  | 0.001 | 195.00 | 0.18  | 1.000 | 0.99999 |
| 3872              | 4                    | 31.88                       | 202                   | 39,440                        | 1,227                                  | 0.165 | 195.25 | 32.14 | 1.174 | 0.99928 |
| 3873              | 3                    | 1.55                        | 46                    | 1,095                         | 826                                    | 0.056 | 23.80  | 1.33  | 1.022 | 0.99997 |
| 3878              | 6                    | 24.44                       | 121                   | 46,424                        | 871                                    | 0.139 | 383.67 | 53.30 | 1.017 | 0.99881 |
| 3892              | 1                    | 1.03                        | 1                     | 62                            | 560                                    | 0.002 | 62.00  | 0.11  | 1.000 | 0.99999 |
| 3902              | 3                    | 3.52                        | 3                     | 211                           | 99                                     | 0.030 | 70.33  | 2.13  | 1.500 | 0.99995 |
| 3903              | 1                    | 1.17                        | 1                     | 70                            | 318                                    | 0.003 | 70.00  | 0.22  | 1.000 | 0.99999 |
| 3912              | 2                    | 1.64                        | 120                   | 5,994                         | 1,437                                  | 0.084 | 49.95  | 4.17  | 1.034 | 0.99991 |
| 3913              | 5                    | 17.36                       | 80                    | 11,305                        | 988                                    | 0.081 | 141.31 | 11.44 | 1.111 | 0.99974 |
| 3951              | 3                    | 3.16                        | 3                     | 190                           | 974                                    | 0.003 | 63.33  | 0.20  | 1.000 | 0.99999 |
| 3952              | 5                    | 7.79                        | 26                    | 1,984                         | 929                                    | 0.028 | 76.31  | 2.14  | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 3971              | 3                    | 2.00                        | 3                     | 120                           | 709                                    | 0.004 | 40.00   | 0.17   | 1.000 | 0.99999 |
| 3981              | 3                    | 3.19                        | 25                    | 456                           | 1,601                                  | 0.016 | 18.24   | 0.28   | 1.087 | 0.99999 |
| 3982              | 3                    | 11.37                       | 277                   | 29,653                        | 1,841                                  | 0.150 | 107.05  | 16.11  | 1.018 | 0.99964 |
| 3991              | 9                    | 18.50                       | 478                   | 99,784                        | 773                                    | 0.618 | 208.75  | 129.09 | 1.065 | 0.99711 |
| 4091              | 4                    | 7.55                        | 1,277                 | 140,742                       | 1,222                                  | 1.045 | 110.21  | 115.17 | 1.045 | 0.99742 |
| 4092              | 1                    | 2.25                        | 468                   | 63,484                        | 468                                    | 1.000 | 135.65  | 135.65 | 1.000 | 0.99696 |
| 4101              | 2                    | 17.88                       | 3                     | 1,517                         | 993                                    | 0.003 | 505.67  | 1.53   | 1.000 | 0.99997 |
| 4133              | 1                    | 0.73                        | 34                    | 1,503                         | 706                                    | 0.048 | 44.21   | 2.13   | 1.000 | 0.99995 |
| 4134              | 2                    | 2.68                        | 20                    | 1,630                         | 894                                    | 0.022 | 81.50   | 1.82   | 1.000 | 0.99996 |
| 4137              | 1                    | 0.87                        | 35                    | 1,824                         | 823                                    | 0.043 | 52.11   | 2.22   | 1.000 | 0.99995 |
| 4138              | 1                    | 5.30                        | 1                     | 318                           | 752                                    | 0.001 | 318.00  | 0.42   | 1.000 | 0.99999 |
| 4141              | 1                    | 4.45                        | 86                    | 22,983                        | 86                                     | 1.000 | 267.24  | 267.24 | 1.000 | 0.99401 |
| 4142              | 2                    | 6.17                        | 626                   | 176,952                       | 625                                    | 1.002 | 282.67  | 283.12 | 1.002 | 0.99366 |
| 4152              | 1                    | 6.92                        | 35                    | 14,535                        | 1,297                                  | 0.027 | 415.29  | 11.21  | 1.000 | 0.99975 |
| 4153              | 8                    | 57.42                       | 84                    | 30,421                        | 1,250                                  | 0.067 | 362.15  | 24.34  | 1.024 | 0.99945 |
| 4154              | 2                    | 3.15                        | 204                   | 13,309                        | 1,483                                  | 0.138 | 65.24   | 8.97   | 1.005 | 0.99980 |
| 4155              | 3                    | 18.27                       | 45                    | 13,525                        | 1,759                                  | 0.026 | 300.56  | 7.69   | 1.154 | 0.99983 |
| 4171              | 2                    | 1.21                        | 26                    | 994                           | 1,218                                  | 0.021 | 38.23   | 0.82   | 1.000 | 0.99998 |
| 4172              | 6                    | 9.87                        | 10                    | 1,128                         | 1,908                                  | 0.005 | 112.80  | 0.59   | 1.000 | 0.99999 |
| 4181              | 2                    | 3.69                        | 12                    | 1,633                         | 802                                    | 0.015 | 136.08  | 2.04   | 1.000 | 0.99995 |
| 4211              | 2                    | 1.63                        | 11                    | 577                           | 822                                    | 0.013 | 52.45   | 0.70   | 1.000 | 0.99998 |
| 4212              | 2                    | 41.20                       | 2                     | 2,472                         | 1,113                                  | 0.002 | 1236.00 | 2.22   | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI   | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|---------|--------|-------|---------|
| 4222              | 2                    | 0.72                        | 45                    | 771                           | 1,098                                  | 0.041 | 17.13   | 0.70   | 1.000 | 0.99998 |
| 4223              | 3                    | 11.54                       | 123                   | 44,139                        | 1,147                                  | 0.107 | 358.85  | 38.48  | 1.139 | 0.99914 |
| 4303              | 4                    | 20.77                       | 31                    | 11,511                        | 1,421                                  | 0.022 | 371.32  | 8.10   | 1.033 | 0.99982 |
| 4313              | 2                    | 1.57                        | 2                     | 94                            | 563                                    | 0.004 | 47.00   | 0.17   | 1.000 | 0.99999 |
| 4326              | 6                    | 12.56                       | 11                    | 1,443                         | 340                                    | 0.032 | 131.18  | 4.24   | 1.000 | 0.99990 |
| 4331              | 1                    | 28.08                       | 1                     | 1,685                         | 342                                    | 0.003 | 1685.00 | 4.93   | 1.000 | 0.99989 |
| 4332              | 2                    | 4.92                        | 424                   | 103,403                       | 423                                    | 1.002 | 243.88  | 244.45 | 1.002 | 0.99452 |
| 4333              | 2                    | 2.93                        | 241                   | 25,995                        | 760                                    | 0.317 | 107.86  | 34.20  | 1.004 | 0.99923 |
| 4341              | 3                    | 52.63                       | 10                    | 3,720                         | 1,897                                  | 0.005 | 372.00  | 1.96   | 1.111 | 0.99996 |
| 4342              | 2                    | 1.00                        | 32                    | 425                           | 806                                    | 0.040 | 13.28   | 0.53   | 1.000 | 0.99999 |
| 4343              | 4                    | 28.26                       | 140                   | 25,276                        | 1,720                                  | 0.081 | 180.54  | 14.70  | 1.022 | 0.99967 |
| 4344              | 4                    | 45.95                       | 52                    | 41,367                        | 372                                    | 0.140 | 795.52  | 111.20 | 1.040 | 0.99751 |
| 4361              | 2                    | 7.90                        | 42                    | 17,171                        | 1,713                                  | 0.025 | 408.83  | 10.02  | 1.000 | 0.99978 |
| 4363              | 1                    | 1.98                        | 1                     | 119                           | 712                                    | 0.001 | 119.00  | 0.17   | 1.000 | 0.99999 |
| 4364              | 2                    | 4.63                        | 2                     | 278                           | 881                                    | 0.002 | 139.00  | 0.32   | 1.000 | 0.99999 |
| 4371              | 7                    | 13.23                       | 10                    | 1,059                         | 1,591                                  | 0.006 | 105.90  | 0.67   | 1.000 | 0.99999 |
| 4372              | 4                    | 4.29                        | 23                    | 1,702                         | 443                                    | 0.052 | 74.00   | 3.84   | 1.095 | 0.99991 |
| 4373              | 4                    | 28.93                       | 4                     | 1,736                         | 808                                    | 0.005 | 434.00  | 2.15   | 1.333 | 0.99995 |
| 4385              | 1                    | 4.13                        | 1                     | 248                           | 1,163                                  | 0.001 | 248.00  | 0.21   | 1.000 | 0.99999 |
| 4386              | 1                    | 0.57                        | 18                    | 619                           | 1,662                                  | 0.011 | 34.39   | 0.37   | 1.000 | 0.99999 |
| 4431              | 7                    | 13.29                       | 44                    | 5,053                         | 1,453                                  | 0.030 | 114.84  | 3.48   | 1.000 | 0.99992 |
| 4432              | 3                    | 6.61                        | 6                     | 615                           | 489                                    | 0.012 | 102.50  | 1.26   | 1.500 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4511              | 1                    | 1.18                        | 57                    | 4,047                         | 1,149                                  | 0.050 | 71.00  | 3.52   | 1.000 | 0.99992 |
| 4601              | 2                    | 4.45                        | 14                    | 1,863                         | 417                                    | 0.034 | 133.07 | 4.47   | 1.077 | 0.99990 |
| 4602              | 2                    | 2.42                        | 41                    | 2,788                         | 989                                    | 0.041 | 68.00  | 2.82   | 1.000 | 0.99994 |
| 4692              | 4                    | 10.91                       | 140                   | 23,196                        | 510                                    | 0.275 | 165.69 | 45.48  | 1.061 | 0.99898 |
| 4714              | 2                    | 1.80                        | 9                     | 532                           | 362                                    | 0.025 | 59.11  | 1.47   | 1.000 | 0.99997 |
| 4783              | 6                    | 13.65                       | 6                     | 819                           | 261                                    | 0.023 | 136.50 | 3.14   | 1.200 | 0.99993 |
| 4793              | 2                    | 2.45                        | 19                    | 1,286                         | 803                                    | 0.024 | 67.68  | 1.60   | 1.056 | 0.99996 |
| 4905              | 1                    | 1.08                        | 16                    | 1,050                         | 407                                    | 0.039 | 65.63  | 2.58   | 1.000 | 0.99994 |
| 4906              | 1                    | 1.78                        | 44                    | 4,719                         | 1,324                                  | 0.033 | 107.25 | 3.56   | 1.000 | 0.99992 |
| 5601              | 3                    | 2.75                        | 3                     | 165                           | 1,319                                  | 0.002 | 55.00  | 0.13   | 1.000 | 0.99999 |
| 5602              | 2                    | 2.99                        | 2                     | 179                           | 721                                    | 0.003 | 89.50  | 0.25   | 1.000 | 0.99999 |
| 5603              | 4                    | 4.92                        | 37                    | 4,509                         | 1,537                                  | 0.024 | 121.86 | 2.93   | 1.028 | 0.99993 |
| 5901              | 1                    | 0.87                        | 1                     | 52                            | 912                                    | 0.001 | 52.00  | 0.06   | 1.000 | 0.99999 |
| 5902              | 5                    | 9.76                        | 1,434                 | 107,592                       | 979                                    | 1.465 | 75.03  | 109.90 | 5.690 | 0.99754 |
| 5903              | 1                    | 1.78                        | 292                   | 31,470                        | 292                                    | 1.000 | 107.00 | 107.00 | 1.000 | 0.99760 |
| 5905              | 4                    | 8.00                        | 130                   | 10,958                        | 1,997                                  | 0.065 | 84.29  | 5.49   | 1.016 | 0.99988 |
| 6021              | 2                    | 3.15                        | 22                    | 3,109                         | 1,386                                  | 0.016 | 141.32 | 2.24   | 1.048 | 0.99995 |
| 6141              | 7                    | 15.41                       | 8                     | 1,091                         | 660                                    | 0.012 | 136.38 | 1.65   | 1.000 | 0.99996 |
| 6142              | 3                    | 14.93                       | 455                   | 108,336                       | 341                                    | 1.334 | 238.10 | 317.70 | 1.334 | 0.99288 |
| 6143              | 4                    | 6.18                        | 44                    | 3,485                         | 382                                    | 0.115 | 79.20  | 9.12   | 1.023 | 0.99980 |
| 6144              | 2                    | 1.07                        | 2                     | 64                            | 328                                    | 0.006 | 32.00  | 0.20   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 458                  | 1,547.47                    | 18,358                | 2,578,859                     | 179,066                                | 0.103 | 140.48 | 14.40 | 1.113 | 0.99968 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
9/1/2023 to 9/30/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1052              | 6                    | 14.21                       | 122                   | 15,666                        | 1,214                                  | 0.100 | 128.41 | 12.90  | 1.017 | 0.99970 |
| 1082              | 11                   | 19.96                       | 181                   | 20,598                        | 1,437                                  | 0.126 | 113.80 | 14.33  | 1.361 | 0.99967 |
| 1091              | 3                    | 4.62                        | 27                    | 3,026                         | 844                                    | 0.032 | 112.07 | 3.59   | 1.038 | 0.99992 |
| 1092              | 11                   | 26.74                       | 69                    | 15,212                        | 1,060                                  | 0.065 | 220.46 | 14.35  | 1.078 | 0.99967 |
| 1094              | 3                    | 4.51                        | 30                    | 4,570                         | 1,394                                  | 0.022 | 152.33 | 3.28   | 1.034 | 0.99992 |
| 1101              | 1                    | 1.02                        | 1                     | 61                            | 473                                    | 0.002 | 61.00  | 0.13   | 1.000 | 0.99999 |
| 1103              | 8                    | 8.96                        | 110                   | 7,174                         | 1,029                                  | 0.107 | 65.22  | 6.97   | 1.000 | 0.99984 |
| 1211              | 6                    | 15.18                       | 6                     | 911                           | 1,526                                  | 0.004 | 151.83 | 0.60   | 1.000 | 0.99999 |
| 1212              | 2                    | 2.40                        | 355                   | 31,179                        | 354                                    | 1.003 | 87.83  | 88.08  | 1.003 | 0.99796 |
| 1213              | 7                    | 11.72                       | 603                   | 55,759                        | 581                                    | 1.038 | 92.47  | 95.97  | 1.038 | 0.99778 |
| 1241              | 11                   | 25.23                       | 1,905                 | 244,327                       | 901                                    | 2.114 | 128.26 | 271.17 | 2.114 | 0.99372 |
| 1242              | 11                   | 33.71                       | 884                   | 66,784                        | 864                                    | 1.023 | 75.55  | 77.30  | 1.024 | 0.99821 |
| 1243              | 3                    | 6.97                        | 199                   | 43,502                        | 1,262                                  | 0.158 | 218.60 | 34.47  | 1.042 | 0.99920 |
| 1271              | 1                    | 0.80                        | 1                     | 48                            | 1,008                                  | 0.001 | 48.00  | 0.05   | 1.000 | 0.99999 |
| 1273              | 2                    | 3.32                        | 56                    | 4,776                         | 873                                    | 0.064 | 85.29  | 5.47   | 1.000 | 0.99987 |
| 1312              | 7                    | 23.75                       | 72                    | 21,013                        | 1,001                                  | 0.072 | 291.85 | 20.99  | 1.029 | 0.99951 |
| 1451              | 1                    | 0.55                        | 4                     | 132                           | 588                                    | 0.007 | 33.00  | 0.22   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1452              | 3                    | 4.13                        | 3                     | 248                           | 475                                    | 0.006 | 82.67  | 0.52   | 1.500 | 0.99999 |
| 1453              | 2                    | 2.15                        | 2                     | 129                           | 1,851                                  | 0.001 | 64.50  | 0.07   | 1.000 | 0.99999 |
| 1523              | 6                    | 17.91                       | 1,611                 | 95,333                        | 782                                    | 2.060 | 59.18  | 121.91 | 2.060 | 0.99718 |
| 1842              | 1                    | 0.65                        | 1                     | 39                            | 309                                    | 0.003 | 39.00  | 0.13   | 1.000 | 0.99999 |
| 1843              | 4                    | 6.45                        | 22                    | 1,455                         | 1,152                                  | 0.019 | 66.14  | 1.26   | 1.048 | 0.99997 |
| 2051              | 1                    | 8.02                        | 8                     | 3,851                         | 215                                    | 0.037 | 481.38 | 17.91  | 1.000 | 0.99959 |
| 2052              | 2                    | 2.42                        | 2                     | 145                           | 88                                     | 0.023 | 72.50  | 1.65   | 1.000 | 0.99996 |
| 2091              | 5                    | 14.48                       | 1,915                 | 420,085                       | 954                                    | 2.007 | 219.37 | 440.34 | 2.007 | 0.98981 |
| 2092              | 8                    | 21.81                       | 1,989                 | 447,467                       | 969                                    | 2.053 | 224.97 | 461.78 | 2.053 | 0.98931 |
| 2171              | 1                    | 3.47                        | 1                     | 208                           | 604                                    | 0.002 | 208.00 | 0.34   | 1.000 | 0.99999 |
| 2172              | 3                    | 7.26                        | 5                     | 716                           | 256                                    | 0.020 | 143.20 | 2.80   | 1.000 | 0.99994 |
| 2211              | 3                    | 2.05                        | 46                    | 2,082                         | 749                                    | 0.061 | 45.26  | 2.78   | 1.179 | 0.99994 |
| 2212              | 3                    | 5.68                        | 73                    | 11,097                        | 1,480                                  | 0.049 | 152.01 | 7.50   | 1.000 | 0.99983 |
| 2491              | 1                    | 1.53                        | 1                     | 92                            | 66                                     | 0.015 | 92.00  | 1.39   | 1.000 | 0.99997 |
| 2511              | 2                    | 2.62                        | 9                     | 695                           | 631                                    | 0.014 | 77.22  | 1.10   | 1.000 | 0.99997 |
| 2621              | 3                    | 5.71                        | 240                   | 8,199                         | 1,210                                  | 0.198 | 34.16  | 6.78   | 1.008 | 0.99984 |
| 2622              | 2                    | 5.42                        | 123                   | 14,532                        | 122                                    | 1.008 | 118.15 | 119.11 | 1.008 | 0.99724 |
| 2921              | 1                    | 0.97                        | 2                     | 116                           | 406                                    | 0.005 | 58.00  | 0.29   | 1.000 | 0.99999 |
| 2951              | 7                    | 11.89                       | 244                   | 22,823                        | 1,278                                  | 0.191 | 93.54  | 17.86  | 1.094 | 0.99959 |
| 2952              | 1                    | 2.07                        | 220                   | 27,423                        | 389                                    | 0.566 | 124.65 | 70.50  | 1.000 | 0.99837 |
| 2961              | 3                    | 5.69                        | 24                    | 1,709                         | 660                                    | 0.036 | 71.21  | 2.59   | 1.043 | 0.99994 |
| 3041              | 2                    | 8.18                        | 85                    | 25,221                        | 88                                     | 0.966 | 296.72 | 286.60 | 1.012 | 0.99337 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3121              | 3                    | 7.59                        | 6                     | 581                           | 1,168                                  | 0.005 | 96.83  | 0.50   | 1.000 | 0.99999 |
| 3122              | 3                    | 2.63                        | 6                     | 315                           | 901                                    | 0.007 | 52.50  | 0.35   | 1.200 | 0.99999 |
| 3123              | 2                    | 3.45                        | 3                     | 360                           | 1,152                                  | 0.003 | 120.00 | 0.31   | 1.000 | 0.99999 |
| 3181              | 7                    | 11.76                       | 45                    | 3,316                         | 780                                    | 0.058 | 73.69  | 4.25   | 1.364 | 0.99990 |
| 3221              | 4                    | 8.87                        | 66                    | 8,173                         | 1,303                                  | 0.051 | 123.83 | 6.27   | 1.031 | 0.99985 |
| 3222              | 4                    | 12.41                       | 14                    | 3,055                         | 808                                    | 0.017 | 218.21 | 3.78   | 1.000 | 0.99991 |
| 3304              | 2                    | 3.55                        | 1,193                 | 201,809                       | 1,192                                  | 1.001 | 169.16 | 169.30 | 1.001 | 0.99608 |
| 3311              | 3                    | 3.68                        | 21                    | 2,373                         | 559                                    | 0.038 | 113.00 | 4.25   | 1.050 | 0.99990 |
| 3315              | 6                    | 12.66                       | 36                    | 4,058                         | 1,625                                  | 0.022 | 112.72 | 2.50   | 1.440 | 0.99994 |
| 3421              | 1                    | 1.30                        | 1                     | 78                            | 313                                    | 0.003 | 78.00  | 0.25   | 1.000 | 0.99999 |
| 3422              | 3                    | 11.21                       | 587                   | 93,229                        | 1,015                                  | 0.578 | 158.82 | 91.85  | 3.646 | 0.99787 |
| 3423              | 1                    | 1.50                        | 3                     | 271                           | 407                                    | 0.007 | 90.33  | 0.67   | 1.000 | 0.99998 |
| 3471              | 1                    | 2.42                        | 3                     | 435                           | 507                                    | 0.006 | 145.00 | 0.86   | 1.000 | 0.99998 |
| 3472              | 4                    | 10.81                       | 83                    | 10,912                        | 1,356                                  | 0.061 | 131.47 | 8.05   | 1.012 | 0.99981 |
| 3551              | 6                    | 14.15                       | 89                    | 8,403                         | 1,053                                  | 0.085 | 94.42  | 7.98   | 1.023 | 0.99982 |
| 3552              | 2                    | 4.32                        | 592                   | 126,106                       | 591                                    | 1.002 | 213.02 | 213.38 | 1.002 | 0.99506 |
| 3553              | 5                    | 21.35                       | 36                    | 6,668                         | 892                                    | 0.040 | 185.22 | 7.48   | 1.030 | 0.99983 |
| 3591              | 1                    | 1.15                        | 34                    | 2,372                         | 1,633                                  | 0.021 | 69.76  | 1.45   | 1.000 | 0.99997 |
| 3592              | 2                    | 3.88                        | 5                     | 800                           | 1,850                                  | 0.003 | 160.00 | 0.43   | 1.000 | 0.99999 |
| 3621              | 4                    | 10.28                       | 1,788                 | 422,587                       | 1,660                                  | 1.077 | 236.35 | 254.57 | 1.096 | 0.99411 |
| 3662              | 2                    | 6.74                        | 2                     | 404                           | 906                                    | 0.002 | 202.00 | 0.45   | 1.000 | 0.99999 |
| 3664              | 4                    | 4.89                        | 36                    | 2,171                         | 595                                    | 0.061 | 60.31  | 3.65   | 1.029 | 0.99992 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3671              | 3                    | 8.18                        | 43                    | 4,383                         | 679                                    | 0.063 | 101.93 | 6.46  | 1.000 | 0.99985 |
| 3673              | 1                    | 1.42                        | 1                     | 85                            | 280                                    | 0.004 | 85.00  | 0.30  | 1.000 | 0.99999 |
| 3692              | 2                    | 0.79                        | 2                     | 47                            | 419                                    | 0.005 | 23.50  | 0.11  | 1.000 | 0.99999 |
| 3701              | 5                    | 6.68                        | 17                    | 1,314                         | 551                                    | 0.031 | 77.29  | 2.38  | 1.000 | 0.99994 |
| 3702              | 1                    | 0.47                        | 1                     | 28                            | 745                                    | 0.001 | 28.00  | 0.04  | 1.000 | 0.99999 |
| 3751              | 6                    | 11.29                       | 56                    | 5,142                         | 940                                    | 0.060 | 91.82  | 5.47  | 1.018 | 0.99987 |
| 3872              | 1                    | 0.72                        | 2                     | 86                            | 1,227                                  | 0.002 | 43.00  | 0.07  | 1.000 | 0.99999 |
| 3873              | 4                    | 5.04                        | 97                    | 6,716                         | 826                                    | 0.117 | 69.24  | 8.13  | 1.540 | 0.99981 |
| 3878              | 4                    | 5.04                        | 128                   | 11,487                        | 871                                    | 0.147 | 89.74  | 13.19 | 1.008 | 0.99969 |
| 3891              | 3                    | 11.94                       | 19                    | 1,304                         | 467                                    | 0.041 | 68.63  | 2.79  | 1.056 | 0.99994 |
| 3892              | 1                    | 0.83                        | 1                     | 50                            | 560                                    | 0.002 | 50.00  | 0.09  | 1.000 | 0.99999 |
| 3893              | 4                    | 7.87                        | 9                     | 1,108                         | 1,218                                  | 0.007 | 123.11 | 0.91  | 1.000 | 0.99998 |
| 3894              | 2                    | 1.72                        | 16                    | 808                           | 166                                    | 0.096 | 50.50  | 4.87  | 1.000 | 0.99989 |
| 3912              | 3                    | 2.07                        | 726                   | 16,123                        | 1,437                                  | 0.505 | 22.21  | 11.22 | 1.090 | 0.99974 |
| 3913              | 4                    | 6.74                        | 204                   | 18,068                        | 988                                    | 0.206 | 88.57  | 18.29 | 1.010 | 0.99958 |
| 3951              | 3                    | 5.29                        | 22                    | 1,308                         | 974                                    | 0.023 | 59.45  | 1.34  | 1.100 | 0.99997 |
| 3952              | 5                    | 5.05                        | 29                    | 1,650                         | 929                                    | 0.031 | 56.90  | 1.78  | 1.000 | 0.99996 |
| 3953              | 6                    | 7.46                        | 11                    | 2,017                         | 550                                    | 0.020 | 183.36 | 3.67  | 1.100 | 0.99992 |
| 3981              | 3                    | 4.07                        | 3                     | 244                           | 1,601                                  | 0.002 | 81.33  | 0.15  | 1.000 | 0.99999 |
| 3982              | 2                    | 1.20                        | 24                    | 680                           | 1,841                                  | 0.013 | 28.33  | 0.37  | 1.000 | 0.99999 |
| 3991              | 1                    | 1.77                        | 1                     | 106                           | 773                                    | 0.001 | 106.00 | 0.14  | 1.000 | 0.99999 |
| 4031              | 1                    | 6.33                        | 15                    | 5,701                         | 724                                    | 0.021 | 380.07 | 7.87  | 1.000 | 0.99982 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4092              | 2                    | 4.00                        | 469                   | 27,303                        | 468                                    | 1.002 | 58.22  | 58.34  | 1.002 | 0.99865 |
| 4101              | 6                    | 11.91                       | 1,026                 | 83,810                        | 993                                    | 1.033 | 81.69  | 84.40  | 1.033 | 0.99805 |
| 4102              | 3                    | 3.37                        | 3                     | 202                           | 564                                    | 0.005 | 67.33  | 0.36   | 1.000 | 0.99999 |
| 4132              | 4                    | 6.08                        | 4                     | 365                           | 575                                    | 0.007 | 91.25  | 0.63   | 1.000 | 0.99999 |
| 4133              | 2                    | 5.01                        | 707                   | 135,203                       | 706                                    | 1.001 | 191.23 | 191.51 | 1.001 | 0.99557 |
| 4134              | 2                    | 2.50                        | 895                   | 81,934                        | 894                                    | 1.001 | 91.55  | 91.65  | 1.001 | 0.99788 |
| 4137              | 1                    | 2.53                        | 1                     | 152                           | 823                                    | 0.001 | 152.00 | 0.18   | 1.000 | 0.99999 |
| 4141              | 1                    | 3.92                        | 1                     | 235                           | 86                                     | 0.012 | 235.00 | 2.73   | 1.000 | 0.99994 |
| 4142              | 2                    | 5.88                        | 38                    | 8,088                         | 625                                    | 0.061 | 212.84 | 12.94  | 1.000 | 0.99970 |
| 4151              | 2                    | 2.21                        | 12                    | 429                           | 175                                    | 0.069 | 35.75  | 2.45   | 1.091 | 0.99994 |
| 4152              | 1                    | 1.87                        | 1                     | 112                           | 1,297                                  | 0.001 | 112.00 | 0.09   | 1.000 | 0.99999 |
| 4171              | 2                    | 1.78                        | 2                     | 107                           | 1,218                                  | 0.002 | 53.50  | 0.09   | 1.000 | 0.99999 |
| 4172              | 8                    | 17.61                       | 301                   | 25,550                        | 1,908                                  | 0.158 | 84.88  | 13.39  | 1.394 | 0.99969 |
| 4173              | 2                    | 1.79                        | 464                   | 35,257                        | 697                                    | 0.666 | 75.98  | 50.58  | 1.002 | 0.99883 |
| 4212              | 1                    | 1.25                        | 1                     | 75                            | 1,113                                  | 0.001 | 75.00  | 0.07   | 1.000 | 0.99999 |
| 4222              | 2                    | 5.88                        | 18                    | 3,023                         | 1,098                                  | 0.016 | 167.94 | 2.75   | 1.000 | 0.99994 |
| 4223              | 2                    | 1.89                        | 18                    | 1,034                         | 1,147                                  | 0.016 | 57.44  | 0.90   | 1.000 | 0.99998 |
| 4224              | 1                    | 1.15                        | 1                     | 69                            | 783                                    | 0.001 | 69.00  | 0.09   | 1.000 | 0.99999 |
| 4302              | 1                    | 0.98                        | 1                     | 59                            | 676                                    | 0.001 | 59.00  | 0.09   | 1.000 | 0.99999 |
| 4303              | 8                    | 16.09                       | 53                    | 7,539                         | 1,421                                  | 0.037 | 142.25 | 5.31   | 1.178 | 0.99988 |
| 4311              | 1                    | 1.03                        | 1                     | 62                            | 763                                    | 0.001 | 62.00  | 0.08   | 1.000 | 0.99999 |
| 4313              | 4                    | 4.96                        | 887                   | 66,819                        | 563                                    | 1.575 | 75.33  | 118.68 | 1.640 | 0.99725 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4331              | 2                    | 2.82                        | 7                     | 633                           | 342                                    | 0.020 | 90.43  | 1.85   | 1.167 | 0.99996 |
| 4341              | 1                    | 0.98                        | 1                     | 59                            | 1,897                                  | 0.001 | 59.00  | 0.03   | 1.000 | 0.99999 |
| 4342              | 1                    | 3.18                        | 8                     | 1,535                         | 806                                    | 0.010 | 191.88 | 1.90   | 1.000 | 0.99996 |
| 4343              | 4                    | 9.05                        | 47                    | 8,665                         | 1,720                                  | 0.027 | 184.36 | 5.04   | 1.044 | 0.99988 |
| 4344              | 2                    | 4.85                        | 66                    | 6,840                         | 372                                    | 0.177 | 103.64 | 18.39  | 1.031 | 0.99957 |
| 4361              | 4                    | 4.44                        | 152                   | 11,998                        | 1,713                                  | 0.089 | 78.93  | 7.00   | 1.020 | 0.99984 |
| 4364              | 4                    | 5.95                        | 26                    | 1,591                         | 881                                    | 0.030 | 61.19  | 1.81   | 1.130 | 0.99996 |
| 4371              | 4                    | 12.80                       | 4                     | 768                           | 1,591                                  | 0.003 | 192.00 | 0.48   | 1.000 | 0.99999 |
| 4372              | 2                    | 2.55                        | 2                     | 153                           | 443                                    | 0.005 | 76.50  | 0.35   | 1.000 | 0.99999 |
| 4373              | 5                    | 7.35                        | 563                   | 67,792                        | 808                                    | 0.697 | 120.41 | 83.90  | 1.007 | 0.99806 |
| 4381              | 1                    | 0.88                        | 1                     | 53                            | 8                                      | 0.125 | 53.00  | 6.63   | 1.000 | 0.99985 |
| 4383              | 1                    | 1.45                        | 1                     | 87                            | 150                                    | 0.007 | 87.00  | 0.58   | 1.000 | 0.99999 |
| 4385              | 1                    | 1.77                        | 1,163                 | 124,189                       | 1,163                                  | 1.000 | 106.78 | 106.78 | 1.000 | 0.99753 |
| 4431              | 7                    | 17.08                       | 1,458                 | 183,111                       | 1,453                                  | 1.003 | 125.59 | 126.02 | 1.248 | 0.99708 |
| 4432              | 9                    | 21.13                       | 529                   | 41,607                        | 489                                    | 1.082 | 78.65  | 85.09  | 2.019 | 0.99803 |
| 4511              | 6                    | 23.65                       | 12                    | 3,056                         | 1,149                                  | 0.010 | 254.67 | 2.66   | 1.000 | 0.99994 |
| 4601              | 3                    | 8.21                        | 47                    | 5,694                         | 417                                    | 0.113 | 121.15 | 13.65  | 1.000 | 0.99968 |
| 4602              | 2                    | 8.30                        | 49                    | 11,348                        | 989                                    | 0.050 | 231.59 | 11.47  | 1.000 | 0.99973 |
| 4692              | 1                    | 7.33                        | 451                   | 198,605                       | 510                                    | 0.884 | 440.37 | 389.42 | 1.000 | 0.99099 |
| 4693              | 1                    | 3.05                        | 22                    | 4,043                         | 174                                    | 0.126 | 183.77 | 23.24  | 1.000 | 0.99946 |
| 4712              | 1                    | 1.20                        | 1                     | 72                            | 138                                    | 0.007 | 72.00  | 0.52   | 1.000 | 0.99999 |
| 4714              | 4                    | 14.61                       | 46                    | 11,680                        | 362                                    | 0.127 | 253.91 | 32.27  | 1.438 | 0.99925 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4791              | 3                    | 5.00                        | 42                    | 2,694                         | 650                                    | 0.065 | 64.14  | 4.14  | 1.024 | 0.99990 |
| 4891              | 1                    | 1.98                        | 9                     | 1,079                         | 605                                    | 0.015 | 119.89 | 1.78  | 1.000 | 0.99996 |
| 4892              | 1                    | 2.17                        | 1                     | 130                           | 336                                    | 0.003 | 130.00 | 0.39  | 1.000 | 0.99999 |
| 4906              | 1                    | 1.08                        | 40                    | 2,618                         | 1,324                                  | 0.030 | 65.45  | 1.98  | 1.000 | 0.99995 |
| 5601              | 3                    | 2.10                        | 7                     | 326                           | 1,319                                  | 0.005 | 46.57  | 0.25  | 1.167 | 0.99999 |
| 5602              | 4                    | 1.93                        | 27                    | 857                           | 721                                    | 0.037 | 31.74  | 1.19  | 1.038 | 0.99997 |
| 5603              | 6                    | 7.81                        | 70                    | 5,472                         | 1,537                                  | 0.046 | 78.17  | 3.56  | 1.045 | 0.99992 |
| 5902              | 4                    | 4.22                        | 79                    | 5,165                         | 979                                    | 0.081 | 65.38  | 5.28  | 1.000 | 0.99988 |
| 5903              | 1                    | 1.77                        | 1                     | 106                           | 292                                    | 0.003 | 106.00 | 0.36  | 1.000 | 0.99999 |
| 5904              | 1                    | 1.87                        | 1                     | 112                           | 1,312                                  | 0.001 | 112.00 | 0.09  | 1.000 | 0.99999 |
| 6021              | 2                    | 2.19                        | 67                    | 7,440                         | 1,386                                  | 0.048 | 111.04 | 5.37  | 1.015 | 0.99988 |
| 6023              | 1                    | 1.40                        | 6                     | 504                           | 131                                    | 0.046 | 84.00  | 3.85  | 1.000 | 0.99991 |
| 6141              | 4                    | 10.80                       | 38                    | 17,718                        | 660                                    | 0.058 | 466.26 | 26.85 | 1.000 | 0.99938 |
| 6142              | 2                    | 3.46                        | 8                     | 617                           | 341                                    | 0.023 | 77.13  | 1.81  | 1.143 | 0.99996 |
| 6143              | 1                    | 3.87                        | 1                     | 232                           | 382                                    | 0.003 | 232.00 | 0.61  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 452                  | 923.55                      | 27,284                | 3,801,411                     | 179,066                                | 0.152 | 139.33 | 21.23 | 1.252 | 0.99951 |

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

10/1/2023 to 10/31/2023

EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1050              | 6                    | 8.08                        | 24                    | 1,904                         | 1,840                                  | 0.013 | 79.33  | 1.03   | 1.000 | 0.99998 |
| 1052              | 1                    | 0.65                        | 75                    | 2,936                         | 1,214                                  | 0.062 | 39.15  | 2.42   | 1.000 | 0.99995 |
| 1082              | 6                    | 9.83                        | 64                    | 5,119                         | 1,437                                  | 0.045 | 79.98  | 3.56   | 1.016 | 0.99992 |
| 1092              | 3                    | 3.97                        | 12                    | 807                           | 1,060                                  | 0.011 | 67.25  | 0.76   | 1.091 | 0.99998 |
| 1094              | 4                    | 3.88                        | 185                   | 4,806                         | 1,394                                  | 0.133 | 25.98  | 3.45   | 1.005 | 0.99992 |
| 1102              | 3                    | 1.86                        | 40                    | 1,547                         | 1,130                                  | 0.035 | 38.68  | 1.37   | 1.000 | 0.99997 |
| 1211              | 4                    | 3.91                        | 55                    | 2,810                         | 1,526                                  | 0.036 | 51.09  | 1.84   | 1.375 | 0.99996 |
| 1213              | 2                    | 2.77                        | 7                     | 772                           | 581                                    | 0.012 | 110.29 | 1.33   | 1.000 | 0.99997 |
| 1230              | 1                    | 2.23                        | 1,174                 | 153,901                       | 1,174                                  | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 1231              | 1                    | 2.23                        | 5                     | 861                           | 5                                      | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 1241              | 1                    | 1.57                        | 18                    | 1,699                         | 901                                    | 0.020 | 94.39  | 1.89   | 1.000 | 0.99996 |
| 1243              | 1                    | 1.45                        | 29                    | 2,549                         | 1,262                                  | 0.023 | 87.90  | 2.02   | 1.000 | 0.99995 |
| 1271              | 8                    | 7.41                        | 21                    | 986                           | 1,008                                  | 0.021 | 46.95  | 0.98   | 1.105 | 0.99998 |
| 1283              | 1                    | 0.85                        | 1                     | 51                            | 360                                    | 0.003 | 51.00  | 0.14   | 1.000 | 0.99999 |
| 1285              | 1                    | 7.25                        | 13                    | 5,662                         | 1,136                                  | 0.011 | 435.54 | 4.98   | 1.000 | 0.99989 |
| 1311              | 2                    | 1.66                        | 6                     | 375                           | 289                                    | 0.021 | 62.50  | 1.30   | 1.000 | 0.99997 |
| 1312              | 2                    | 6.00                        | 18                    | 3,105                         | 1,001                                  | 0.018 | 172.50 | 3.10   | 1.000 | 0.99993 |
| 1451              | 2                    | 3.86                        | 2                     | 232                           | 588                                    | 0.003 | 116.00 | 0.39   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1453              | 3                    | 2.05                        | 161                   | 7,159                         | 1,851                                  | 0.087 | 44.47  | 3.87  | 1.353 | 0.99991 |
| 1454              | 2                    | 1.86                        | 7                     | 215                           | 970                                    | 0.007 | 30.71  | 0.22  | 1.000 | 0.99999 |
| 1455              | 1                    | 0.68                        | 1                     | 41                            | 426                                    | 0.002 | 41.00  | 0.10  | 1.000 | 0.99999 |
| 1521              | 1                    | 2.72                        | 1                     | 163                           | 395                                    | 0.003 | 163.00 | 0.41  | 1.000 | 0.99999 |
| 1842              | 1                    | 2.20                        | 2                     | 265                           | 309                                    | 0.006 | 132.50 | 0.86  | 1.000 | 0.99998 |
| 1843              | 1                    | 1.18                        | 22                    | 1,582                         | 1,152                                  | 0.019 | 71.91  | 1.37  | 1.000 | 0.99997 |
| 2051              | 1                    | 0.87                        | 9                     | 471                           | 215                                    | 0.042 | 52.33  | 2.19  | 1.000 | 0.99995 |
| 2091              | 1                    | 1.48                        | 1                     | 89                            | 954                                    | 0.001 | 89.00  | 0.09  | 1.000 | 0.99999 |
| 2092              | 1                    | 1.87                        | 30                    | 3,375                         | 969                                    | 0.031 | 112.50 | 3.48  | 1.000 | 0.99992 |
| 2171              | 1                    | 0.70                        | 1                     | 42                            | 604                                    | 0.002 | 42.00  | 0.07  | 1.000 | 0.99999 |
| 2211              | 3                    | 1.99                        | 55                    | 2,156                         | 749                                    | 0.073 | 39.20  | 2.88  | 1.146 | 0.99994 |
| 2212              | 3                    | 2.77                        | 3                     | 166                           | 1,480                                  | 0.002 | 55.33  | 0.11  | 1.000 | 0.99999 |
| 2511              | 2                    | 2.44                        | 6                     | 379                           | 631                                    | 0.010 | 63.17  | 0.60  | 1.000 | 0.99999 |
| 2621              | 5                    | 12.47                       | 33                    | 4,059                         | 1,210                                  | 0.027 | 123.00 | 3.35  | 1.100 | 0.99992 |
| 2951              | 1                    | 1.95                        | 4                     | 470                           | 1,278                                  | 0.003 | 117.50 | 0.37  | 1.000 | 0.99999 |
| 2961              | 2                    | 1.57                        | 4                     | 164                           | 660                                    | 0.006 | 41.00  | 0.25  | 1.000 | 0.99999 |
| 3121              | 2                    | 11.33                       | 15                    | 7,614                         | 1,168                                  | 0.013 | 507.60 | 6.52  | 1.000 | 0.99985 |
| 3122              | 1                    | 0.17                        | 20                    | 212                           | 901                                    | 0.022 | 10.60  | 0.24  | 1.000 | 0.99999 |
| 3181              | 1                    | 1.15                        | 35                    | 2,444                         | 780                                    | 0.045 | 69.83  | 3.13  | 1.000 | 0.99993 |
| 3221              | 1                    | 0.98                        | 1                     | 59                            | 1,303                                  | 0.001 | 59.00  | 0.05  | 1.000 | 0.99999 |
| 3222              | 3                    | 3.46                        | 56                    | 2,651                         | 808                                    | 0.069 | 47.34  | 3.28  | 1.018 | 0.99993 |
| 3302              | 1                    | 2.17                        | 63                    | 8,209                         | 717                                    | 0.088 | 130.30 | 11.45 | 1.000 | 0.99974 |
| 3304              | 2                    | 5.14                        | 17                    | 2,316                         | 1,192                                  | 0.014 | 136.24 | 1.94  | 1.063 | 0.99996 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3313              | 1                    | 11.28                       | 3                     | 2,031                         | 1,565                                  | 0.002 | 677.00 | 1.30  | 1.000 | 0.99997 |
| 3315              | 1                    | 2.18                        | 315                   | 41,559                        | 1,625                                  | 0.194 | 131.93 | 25.57 | 1.000 | 0.99943 |
| 3471              | 4                    | 3.35                        | 46                    | 2,116                         | 507                                    | 0.091 | 46.00  | 4.17  | 1.022 | 0.99991 |
| 3472              | 1                    | 1.52                        | 173                   | 15,823                        | 1,356                                  | 0.128 | 91.46  | 11.67 | 1.000 | 0.99974 |
| 3551              | 1                    | 6.90                        | 13                    | 5,390                         | 1,053                                  | 0.012 | 414.62 | 5.12  | 1.000 | 0.99989 |
| 3552              | 2                    | 11.33                       | 11                    | 3,135                         | 591                                    | 0.019 | 285.00 | 5.30  | 1.100 | 0.99988 |
| 3592              | 4                    | 2.51                        | 26                    | 1,334                         | 1,850                                  | 0.014 | 51.31  | 0.72  | 1.000 | 0.99998 |
| 3593              | 1                    | 6.35                        | 24                    | 9,147                         | 951                                    | 0.025 | 381.13 | 9.62  | 1.000 | 0.99978 |
| 3621              | 2                    | 2.32                        | 2                     | 139                           | 1,660                                  | 0.001 | 69.50  | 0.08  | 1.000 | 0.99999 |
| 3661              | 2                    | 1.26                        | 45                    | 1,872                         | 1,121                                  | 0.040 | 41.60  | 1.67  | 1.000 | 0.99996 |
| 3663              | 1                    | 0.68                        | 10                    | 412                           | 322                                    | 0.031 | 41.20  | 1.28  | 1.000 | 0.99997 |
| 3691              | 1                    | 0.80                        | 8                     | 390                           | 406                                    | 0.020 | 48.75  | 0.96  | 1.000 | 0.99998 |
| 3701              | 1                    | 2.15                        | 1                     | 129                           | 551                                    | 0.002 | 129.00 | 0.23  | 1.000 | 0.99999 |
| 3702              | 1                    | 2.02                        | 18                    | 2,193                         | 745                                    | 0.024 | 121.83 | 2.94  | 1.000 | 0.99993 |
| 3751              | 1                    | 0.90                        | 4                     | 216                           | 940                                    | 0.004 | 54.00  | 0.23  | 1.000 | 0.99999 |
| 3872              | 1                    | 1.22                        | 76                    | 5,564                         | 1,227                                  | 0.062 | 73.21  | 4.53  | 1.000 | 0.99990 |
| 3873              | 2                    | 2.52                        | 33                    | 2,145                         | 826                                    | 0.040 | 65.00  | 2.60  | 1.000 | 0.99994 |
| 3874              | 2                    | 2.80                        | 2                     | 168                           | 206                                    | 0.010 | 84.00  | 0.82  | 1.000 | 0.99998 |
| 3878              | 3                    | 3.41                        | 34                    | 2,026                         | 871                                    | 0.039 | 59.59  | 2.33  | 1.000 | 0.99995 |
| 3891              | 4                    | 11.11                       | 31                    | 7,820                         | 467                                    | 0.066 | 252.26 | 16.75 | 1.033 | 0.99962 |
| 3893              | 2                    | 2.09                        | 74                    | 4,675                         | 1,218                                  | 0.061 | 63.18  | 3.84  | 1.088 | 0.99991 |
| 3901              | 4                    | 8.02                        | 180                   | 23,376                        | 894                                    | 0.201 | 129.87 | 26.15 | 1.353 | 0.99941 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3903              | 1                    | 1.63                        | 28                    | 2,761                         | 318                                    | 0.088 | 98.61  | 8.68  | 1.000 | 0.99981 |
| 3913              | 2                    | 1.22                        | 41                    | 1,721                         | 988                                    | 0.041 | 41.98  | 1.74  | 1.000 | 0.99996 |
| 3951              | 3                    | 3.80                        | 15                    | 1,399                         | 974                                    | 0.015 | 93.27  | 1.44  | 1.071 | 0.99997 |
| 3952              | 2                    | 2.59                        | 31                    | 1,319                         | 929                                    | 0.033 | 42.55  | 1.42  | 1.033 | 0.99997 |
| 3953              | 2                    | 2.25                        | 82                    | 4,424                         | 550                                    | 0.149 | 53.95  | 8.04  | 1.000 | 0.99982 |
| 3971              | 1                    | 0.50                        | 3                     | 90                            | 709                                    | 0.004 | 30.00  | 0.13  | 1.000 | 0.99999 |
| 3981              | 5                    | 13.54                       | 59                    | 6,689                         | 1,601                                  | 0.037 | 113.37 | 4.18  | 1.073 | 0.99991 |
| 3982              | 2                    | 2.48                        | 19                    | 811                           | 1,841                                  | 0.010 | 42.68  | 0.44  | 1.000 | 0.99999 |
| 3991              | 3                    | 6.36                        | 3                     | 381                           | 773                                    | 0.004 | 127.00 | 0.49  | 1.000 | 0.99999 |
| 3992              | 1                    | 0.68                        | 1                     | 41                            | 175                                    | 0.006 | 41.00  | 0.23  | 1.000 | 0.99999 |
| 4091              | 1                    | 1.13                        | 19                    | 1,292                         | 1,222                                  | 0.016 | 68.00  | 1.06  | 1.000 | 0.99998 |
| 4092              | 1                    | 1.58                        | 1                     | 95                            | 468                                    | 0.002 | 95.00  | 0.20  | 1.000 | 0.99999 |
| 4101              | 2                    | 2.35                        | 7                     | 454                           | 993                                    | 0.007 | 64.86  | 0.46  | 1.000 | 0.99999 |
| 4134              | 10                   | 17.92                       | 158                   | 18,440                        | 894                                    | 0.177 | 116.71 | 20.63 | 1.053 | 0.99954 |
| 4135              | 1                    | 2.87                        | 1                     | 172                           | 66                                     | 0.015 | 172.00 | 2.61  | 1.000 | 0.99994 |
| 4137              | 6                    | 9.63                        | 40                    | 3,396                         | 823                                    | 0.049 | 84.90  | 4.13  | 1.000 | 0.99991 |
| 4138              | 1                    | 1.03                        | 1                     | 62                            | 752                                    | 0.001 | 62.00  | 0.08  | 1.000 | 0.99999 |
| 4142              | 1                    | 1.20                        | 1                     | 72                            | 625                                    | 0.002 | 72.00  | 0.12  | 1.000 | 0.99999 |
| 4153              | 2                    | 6.28                        | 9                     | 1,631                         | 1,250                                  | 0.007 | 181.22 | 1.30  | 1.125 | 0.99997 |
| 4171              | 1                    | 0.45                        | 1                     | 27                            | 1,218                                  | 0.001 | 27.00  | 0.02  | 1.000 | 0.99999 |
| 4172              | 1                    | 0.70                        | 26                    | 1,095                         | 1,908                                  | 0.014 | 42.12  | 0.57  | 1.000 | 0.99999 |
| 4173              | 1                    | 5.45                        | 117                   | 38,350                        | 697                                    | 0.168 | 327.78 | 55.02 | 1.000 | 0.99877 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4181              | 2                    | 2.42                        | 25                    | 1,851                         | 802                                    | 0.031 | 74.04  | 2.31   | 1.000 | 0.99995 |
| 4182              | 1                    | 1.42                        | 2                     | 171                           | 789                                    | 0.003 | 85.50  | 0.22   | 1.000 | 0.99999 |
| 4211              | 2                    | 1.20                        | 2                     | 72                            | 822                                    | 0.002 | 36.00  | 0.09   | 1.000 | 0.99999 |
| 4221              | 1                    | 0.87                        | 1                     | 52                            | 3                                      | 0.333 | 52.00  | 17.33  | 1.000 | 0.99961 |
| 4222              | 2                    | 11.07                       | 2                     | 664                           | 1,098                                  | 0.002 | 332.00 | 0.60   | 1.000 | 0.99999 |
| 4303              | 2                    | 5.44                        | 105                   | 7,750                         | 1,421                                  | 0.074 | 73.81  | 5.45   | 1.000 | 0.99988 |
| 4326              | 4                    | 3.93                        | 147                   | 9,486                         | 340                                    | 0.432 | 64.53  | 27.90  | 1.021 | 0.99938 |
| 4327              | 2                    | 2.05                        | 64                    | 3,925                         | 105                                    | 0.610 | 61.33  | 37.38  | 1.016 | 0.99916 |
| 4333              | 2                    | 1.80                        | 761                   | 68,430                        | 760                                    | 1.001 | 89.92  | 90.04  | 1.001 | 0.99798 |
| 4341              | 2                    | 2.02                        | 25                    | 1,175                         | 1,897                                  | 0.013 | 47.00  | 0.62   | 1.000 | 0.99999 |
| 4343              | 1                    | 3.27                        | 1                     | 196                           | 1,720                                  | 0.001 | 196.00 | 0.11   | 1.000 | 0.99999 |
| 4361              | 2                    | 1.86                        | 115                   | 6,527                         | 1,713                                  | 0.067 | 56.76  | 3.81   | 1.000 | 0.99991 |
| 4362              | 1                    | 1.15                        | 1                     | 69                            | 850                                    | 0.001 | 69.00  | 0.08   | 1.000 | 0.99999 |
| 4363              | 1                    | 1.38                        | 20                    | 1,669                         | 712                                    | 0.028 | 83.45  | 2.34   | 1.000 | 0.99995 |
| 4364              | 2                    | 2.00                        | 9                     | 654                           | 881                                    | 0.010 | 72.67  | 0.74   | 1.000 | 0.99998 |
| 4371              | 2                    | 1.95                        | 18                    | 776                           | 1,591                                  | 0.011 | 43.11  | 0.49   | 1.000 | 0.99999 |
| 4373              | 2                    | 5.68                        | 6                     | 944                           | 808                                    | 0.007 | 157.33 | 1.17   | 1.200 | 0.99997 |
| 4383              | 2                    | 9.58                        | 165                   | 77,226                        | 150                                    | 1.100 | 468.04 | 514.84 | 1.100 | 0.98847 |
| 4385              | 1                    | 8.52                        | 1,163                 | 594,293                       | 1,163                                  | 1.000 | 511.00 | 511.00 | 1.000 | 0.98855 |
| 4386              | 1                    | 8.50                        | 1,662                 | 847,813                       | 1,662                                  | 1.000 | 510.12 | 510.12 | 1.000 | 0.98857 |
| 4431              | 3                    | 2.73                        | 66                    | 3,918                         | 1,453                                  | 0.045 | 59.36  | 2.70   | 1.015 | 0.99994 |
| 4511              | 1                    | 1.02                        | 26                    | 1,595                         | 1,149                                  | 0.023 | 61.35  | 1.39   | 1.000 | 0.99997 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 4513              | 1                    | 0.65                        | 1                     | 39                            | 767                                    | 0.001 | 39.00  | 0.05   | 1.000 | 0.99999 |
| 4601              | 1                    | 1.13                        | 30                    | 2,057                         | 417                                    | 0.072 | 68.57  | 4.93   | 1.000 | 0.99989 |
| 4692              | 3                    | 6.43                        | 113                   | 6,523                         | 510                                    | 0.222 | 57.73  | 12.79  | 1.056 | 0.99971 |
| 4784              | 1                    | 1.00                        | 1                     | 60                            | 404                                    | 0.002 | 60.00  | 0.15   | 1.000 | 0.99999 |
| 4793              | 3                    | 4.42                        | 41                    | 3,851                         | 803                                    | 0.051 | 93.93  | 4.80   | 1.206 | 0.99989 |
| 5601              | 4                    | 12.42                       | 21                    | 4,427                         | 1,319                                  | 0.016 | 210.81 | 3.36   | 1.050 | 0.99992 |
| 5603              | 3                    | 3.87                        | 55                    | 4,227                         | 1,537                                  | 0.036 | 76.85  | 2.75   | 1.019 | 0.99994 |
| 5903              | 1                    | 2.23                        | 292                   | 43,160                        | 292                                    | 1.000 | 134.00 | 134.00 | 1.000 | 0.99700 |
| 5904              | 1                    | 0.52                        | 13                    | 403                           | 1,312                                  | 0.010 | 31.00  | 0.31   | 1.000 | 0.99999 |
| 5905              | 1                    | 1.30                        | 1                     | 78                            | 1,997                                  | 0.001 | 78.00  | 0.04   | 1.000 | 0.99999 |
| 6021              | 4                    | 4.16                        | 45                    | 2,557                         | 1,386                                  | 0.032 | 56.82  | 1.84   | 1.023 | 0.99996 |
| 6141              | 1                    | 0.68                        | 1                     | 41                            | 660                                    | 0.002 | 41.00  | 0.06   | 1.000 | 0.99999 |
| 6142              | 1                    | 1.03                        | 1                     | 62                            | 341                                    | 0.003 | 62.00  | 0.18   | 1.000 | 0.99999 |
| 6401              | 1                    | 0.55                        | 43                    | 1,419                         | 270                                    | 0.159 | 33.00  | 5.26   | 1.000 | 0.99988 |
| 6402              | 1                    | 2.55                        | 1                     | 153                           | 173                                    | 0.006 | 153.00 | 0.88   | 1.000 | 0.99998 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
| Total:            | 247                  | 423.36                      | 9,133                 | 2,149,119                     | 179,066                                | 0.051 | 235.31 | 12.00  | 1.020 | 0.99973 |

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

11/1/2023 to 11/30/2023

EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1050              | 5                    | 7.35                        | 485                   | 40,213                        | 1,840                                  | 0.264 | 82.91  | 21.85 | 1.064 | 0.99949 |
| 1051              | 2                    | 2.82                        | 117                   | 11,623                        | 562                                    | 0.208 | 99.34  | 20.68 | 1.000 | 0.99952 |
| 1052              | 1                    | 0.87                        | 84                    | 4,450                         | 1,214                                  | 0.069 | 52.98  | 3.67  | 1.000 | 0.99992 |
| 1082              | 5                    | 7.91                        | 35                    | 4,118                         | 1,437                                  | 0.024 | 117.66 | 2.87  | 1.000 | 0.99993 |
| 1091              | 1                    | 1.40                        | 54                    | 4,536                         | 844                                    | 0.064 | 84.00  | 5.37  | 1.000 | 0.99988 |
| 1092              | 1                    | 0.38                        | 14                    | 333                           | 1,060                                  | 0.013 | 23.79  | 0.31  | 1.000 | 0.99999 |
| 1103              | 4                    | 2.93                        | 88                    | 3,471                         | 1,029                                  | 0.086 | 39.44  | 3.37  | 1.023 | 0.99992 |
| 1213              | 2                    | 3.25                        | 3                     | 258                           | 581                                    | 0.005 | 86.00  | 0.44  | 1.000 | 0.99999 |
| 1232              | 3                    | 10.72                       | 87                    | 25,402                        | 1,239                                  | 0.070 | 291.98 | 20.50 | 1.024 | 0.99953 |
| 1233              | 1                    | 0.73                        | 18                    | 809                           | 746                                    | 0.024 | 44.94  | 1.08  | 1.000 | 0.99997 |
| 1241              | 1                    | 2.33                        | 3                     | 420                           | 901                                    | 0.003 | 140.00 | 0.47  | 1.000 | 0.99999 |
| 1242              | 3                    | 4.37                        | 59                    | 4,994                         | 864                                    | 0.068 | 84.64  | 5.78  | 1.000 | 0.99987 |
| 1243              | 6                    | 5.32                        | 74                    | 2,976                         | 1,262                                  | 0.059 | 40.22  | 2.36  | 1.057 | 0.99995 |
| 1271              | 2                    | 1.53                        | 32                    | 1,368                         | 1,008                                  | 0.032 | 42.75  | 1.36  | 1.000 | 0.99997 |
| 1273              | 2                    | 0.97                        | 11                    | 407                           | 873                                    | 0.013 | 37.00  | 0.47  | 1.000 | 0.99999 |
| 1282              | 1                    | 0.80                        | 173                   | 8,329                         | 711                                    | 0.243 | 48.14  | 11.71 | 1.000 | 0.99973 |
| 1285              | 1                    | 4.77                        | 55                    | 15,779                        | 1,136                                  | 0.048 | 286.89 | 13.89 | 1.000 | 0.99968 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1312              | 1                    | 1.53                        | 1                     | 92                            | 1,001                                  | 0.001 | 92.00  | 0.09  | 1.000 | 0.99999 |
| 1451              | 1                    | 0.75                        | 1                     | 45                            | 588                                    | 0.002 | 45.00  | 0.08  | 1.000 | 0.99999 |
| 1453              | 1                    | 1.40                        | 77                    | 6,529                         | 1,851                                  | 0.042 | 84.79  | 3.53  | 1.000 | 0.99992 |
| 1521              | 1                    | 0.90                        | 1                     | 54                            | 395                                    | 0.003 | 54.00  | 0.14  | 1.000 | 0.99999 |
| 1842              | 1                    | 0.70                        | 1                     | 42                            | 309                                    | 0.003 | 42.00  | 0.14  | 1.000 | 0.99999 |
| 1843              | 6                    | 6.76                        | 73                    | 4,350                         | 1,152                                  | 0.063 | 59.59  | 3.78  | 1.404 | 0.99991 |
| 2091              | 1                    | 1.98                        | 1                     | 119                           | 954                                    | 0.001 | 119.00 | 0.12  | 1.000 | 0.99999 |
| 2092              | 1                    | 3.10                        | 19                    | 3,542                         | 969                                    | 0.020 | 186.42 | 3.66  | 1.000 | 0.99992 |
| 2171              | 2                    | 1.72                        | 11                    | 582                           | 604                                    | 0.018 | 52.91  | 0.96  | 1.000 | 0.99998 |
| 2211              | 2                    | 2.21                        | 2                     | 133                           | 749                                    | 0.003 | 66.50  | 0.18  | 1.000 | 0.99999 |
| 2212              | 3                    | 2.83                        | 75                    | 4,687                         | 1,480                                  | 0.051 | 62.49  | 3.17  | 1.014 | 0.99993 |
| 2501              | 1                    | 0.90                        | 35                    | 1,854                         | 84                                     | 0.417 | 52.97  | 22.07 | 1.000 | 0.99949 |
| 2511              | 2                    | 1.38                        | 37                    | 1,034                         | 631                                    | 0.059 | 27.95  | 1.64  | 1.000 | 0.99996 |
| 2621              | 1                    | 0.63                        | 1                     | 38                            | 1,210                                  | 0.001 | 38.00  | 0.03  | 1.000 | 0.99999 |
| 2951              | 5                    | 7.14                        | 5                     | 428                           | 1,278                                  | 0.004 | 85.60  | 0.33  | 1.250 | 0.99999 |
| 2961              | 3                    | 2.03                        | 3                     | 122                           | 660                                    | 0.005 | 40.67  | 0.18  | 1.000 | 0.99999 |
| 3122              | 1                    | 1.02                        | 1                     | 61                            | 901                                    | 0.001 | 61.00  | 0.07  | 1.000 | 0.99999 |
| 3123              | 1                    | 5.52                        | 1                     | 331                           | 1,152                                  | 0.001 | 331.00 | 0.29  | 1.000 | 0.99999 |
| 3181              | 1                    | 0.97                        | 29                    | 1,699                         | 780                                    | 0.037 | 58.59  | 2.18  | 1.000 | 0.99995 |
| 3221              | 1                    | 1.97                        | 1                     | 118                           | 1,303                                  | 0.001 | 118.00 | 0.09  | 1.000 | 0.99999 |
| 3232              | 1                    | 1.03                        | 1                     | 62                            | 453                                    | 0.002 | 62.00  | 0.14  | 1.000 | 0.99999 |
| 3302              | 4                    | 5.96                        | 70                    | 5,897                         | 717                                    | 0.098 | 84.24  | 8.22  | 1.014 | 0.99981 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3304              | 1                    | 1.02                        | 1                     | 61                            | 1,192                                  | 0.001 | 61.00  | 0.05  | 1.000 | 0.99999 |
| 3314              | 1                    | 1.17                        | 1                     | 70                            | 229                                    | 0.004 | 70.00  | 0.31  | 1.000 | 0.99999 |
| 3423              | 1                    | 1.15                        | 1                     | 69                            | 407                                    | 0.002 | 69.00  | 0.17  | 1.000 | 0.99999 |
| 3471              | 2                    | 1.80                        | 4                     | 164                           | 507                                    | 0.008 | 41.00  | 0.32  | 1.000 | 0.99999 |
| 3472              | 1                    | 1.12                        | 5                     | 335                           | 1,356                                  | 0.004 | 67.00  | 0.25  | 1.000 | 0.99999 |
| 3553              | 1                    | 1.23                        | 24                    | 1,792                         | 892                                    | 0.027 | 74.67  | 2.01  | 1.000 | 0.99995 |
| 3591              | 2                    | 2.08                        | 65                    | 3,915                         | 1,633                                  | 0.040 | 60.23  | 2.40  | 1.000 | 0.99994 |
| 3592              | 2                    | 2.24                        | 10                    | 408                           | 1,850                                  | 0.005 | 40.80  | 0.22  | 1.000 | 0.99999 |
| 3594              | 1                    | 0.75                        | 193                   | 8,697                         | 910                                    | 0.212 | 45.06  | 9.56  | 1.000 | 0.99978 |
| 3661              | 3                    | 2.03                        | 150                   | 8,547                         | 1,121                                  | 0.134 | 56.98  | 7.62  | 1.007 | 0.99982 |
| 3664              | 1                    | 1.25                        | 1                     | 75                            | 595                                    | 0.002 | 75.00  | 0.13  | 1.000 | 0.99999 |
| 3701              | 4                    | 4.61                        | 16                    | 775                           | 551                                    | 0.029 | 48.44  | 1.41  | 1.000 | 0.99997 |
| 3702              | 7                    | 5.95                        | 584                   | 37,873                        | 745                                    | 0.784 | 64.85  | 50.84 | 1.056 | 0.99882 |
| 3751              | 2                    | 2.12                        | 36                    | 2,317                         | 940                                    | 0.038 | 64.36  | 2.46  | 1.029 | 0.99994 |
| 3873              | 2                    | 3.05                        | 38                    | 2,484                         | 826                                    | 0.046 | 65.37  | 3.01  | 1.188 | 0.99993 |
| 3878              | 2                    | 2.07                        | 46                    | 2,846                         | 871                                    | 0.053 | 61.87  | 3.27  | 1.000 | 0.99992 |
| 3892              | 1                    | 6.52                        | 52                    | 20,349                        | 560                                    | 0.093 | 391.33 | 36.34 | 1.000 | 0.99916 |
| 3893              | 6                    | 6.01                        | 44                    | 3,721                         | 1,218                                  | 0.036 | 84.57  | 3.06  | 1.000 | 0.99993 |
| 3913              | 2                    | 0.70                        | 13                    | 303                           | 988                                    | 0.013 | 23.31  | 0.31  | 1.083 | 0.99999 |
| 3951              | 6                    | 6.95                        | 33                    | 2,478                         | 974                                    | 0.034 | 75.09  | 2.54  | 1.100 | 0.99994 |
| 3952              | 5                    | 4.92                        | 32                    | 1,657                         | 929                                    | 0.034 | 51.78  | 1.78  | 1.103 | 0.99996 |
| 3981              | 6                    | 3.88                        | 76                    | 4,401                         | 1,601                                  | 0.047 | 57.91  | 2.75  | 1.027 | 0.99994 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 3982              | 1                    | 0.90                        | 18                    | 981                           | 1,841                                  | 0.010 | 54.50  | 0.53   | 1.000 | 0.99999 |
| 3991              | 4                    | 7.73                        | 55                    | 3,762                         | 773                                    | 0.071 | 68.40  | 4.87   | 1.038 | 0.99989 |
| 4031              | 3                    | 2.65                        | 13                    | 786                           | 724                                    | 0.018 | 60.46  | 1.09   | 1.857 | 0.99997 |
| 4091              | 1                    | 2.23                        | 10                    | 1,344                         | 1,222                                  | 0.008 | 134.40 | 1.10   | 1.000 | 0.99997 |
| 4092              | 1                    | 2.73                        | 3                     | 492                           | 468                                    | 0.006 | 164.00 | 1.05   | 1.000 | 0.99998 |
| 4137              | 9                    | 7.06                        | 63                    | 3,964                         | 823                                    | 0.077 | 62.92  | 4.82   | 1.033 | 0.99989 |
| 4152              | 3                    | 4.23                        | 1,298                 | 136,466                       | 1,297                                  | 1.001 | 105.14 | 105.22 | 1.002 | 0.99756 |
| 4154              | 1                    | 5.72                        | 1                     | 343                           | 1,483                                  | 0.001 | 343.00 | 0.23   | 1.000 | 0.99999 |
| 4155              | 1                    | 1.48                        | 33                    | 2,962                         | 1,759                                  | 0.019 | 89.76  | 1.68   | 1.000 | 0.99996 |
| 4171              | 2                    | 2.18                        | 6                     | 419                           | 1,218                                  | 0.005 | 69.83  | 0.34   | 1.000 | 0.99999 |
| 4172              | 1                    | 0.60                        | 1,855                 | 67,583                        | 1,908                                  | 0.972 | 36.43  | 35.42  | 1.000 | 0.99918 |
| 4173              | 1                    | 0.48                        | 13                    | 389                           | 697                                    | 0.019 | 29.92  | 0.56   | 1.000 | 0.99999 |
| 4182              | 1                    | 1.58                        | 1                     | 95                            | 789                                    | 0.001 | 95.00  | 0.12   | 1.000 | 0.99999 |
| 4211              | 1                    | 0.93                        | 11                    | 624                           | 822                                    | 0.013 | 56.73  | 0.76   | 1.000 | 0.99998 |
| 4212              | 2                    | 4.52                        | 74                    | 5,989                         | 1,113                                  | 0.066 | 80.93  | 5.38   | 1.014 | 0.99988 |
| 4222              | 1                    | 1.08                        | 51                    | 3,298                         | 1,098                                  | 0.046 | 64.67  | 3.00   | 1.000 | 0.99993 |
| 4224              | 1                    | 0.58                        | 30                    | 1,051                         | 783                                    | 0.038 | 35.03  | 1.34   | 1.000 | 0.99997 |
| 4303              | 2                    | 2.27                        | 1,480                 | 104,528                       | 1,421                                  | 1.042 | 70.63  | 73.56  | 1.042 | 0.99830 |
| 4326              | 1                    | 0.68                        | 1                     | 41                            | 340                                    | 0.003 | 41.00  | 0.12   | 1.000 | 0.99999 |
| 4331              | 2                    | 3.00                        | 2                     | 180                           | 342                                    | 0.006 | 90.00  | 0.53   | 1.000 | 0.99999 |
| 4343              | 1                    | 0.88                        | 9                     | 478                           | 1,720                                  | 0.005 | 53.11  | 0.28   | 1.000 | 0.99999 |
| 4344              | 2                    | 2.12                        | 2                     | 127                           | 372                                    | 0.005 | 63.50  | 0.34   | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4361              | 9                    | 6.57                        | 70                    | 3,047                         | 1,713                                  | 0.041 | 43.53  | 1.78  | 1.029 | 0.99996 |
| 4362              | 1                    | 0.80                        | 45                    | 2,175                         | 850                                    | 0.053 | 48.33  | 2.56  | 1.000 | 0.99994 |
| 4363              | 3                    | 2.44                        | 9                     | 508                           | 712                                    | 0.013 | 56.44  | 0.71  | 1.125 | 0.99998 |
| 4371              | 2                    | 2.61                        | 5                     | 344                           | 1,591                                  | 0.003 | 68.80  | 0.22  | 1.000 | 0.99999 |
| 4372              | 1                    | 2.72                        | 1                     | 163                           | 443                                    | 0.002 | 163.00 | 0.37  | 1.000 | 0.99999 |
| 4431              | 4                    | 3.29                        | 51                    | 2,333                         | 1,453                                  | 0.035 | 45.75  | 1.61  | 1.041 | 0.99996 |
| 4432              | 4                    | 6.17                        | 25                    | 2,139                         | 489                                    | 0.051 | 85.56  | 4.37  | 1.087 | 0.99990 |
| 4511              | 1                    | 1.22                        | 1                     | 73                            | 1,149                                  | 0.001 | 73.00  | 0.06  | 1.000 | 0.99999 |
| 4512              | 2                    | 3.07                        | 2                     | 184                           | 1,159                                  | 0.002 | 92.00  | 0.16  | 2.000 | 0.99999 |
| 4601              | 2                    | 2.15                        | 29                    | 1,634                         | 417                                    | 0.070 | 56.34  | 3.92  | 1.036 | 0.99991 |
| 4602              | 2                    | 1.80                        | 76                    | 4,157                         | 989                                    | 0.077 | 54.70  | 4.20  | 1.000 | 0.99990 |
| 4692              | 2                    | 4.73                        | 31                    | 1,770                         | 510                                    | 0.061 | 57.10  | 3.47  | 1.033 | 0.99992 |
| 4714              | 2                    | 4.70                        | 19                    | 4,107                         | 362                                    | 0.052 | 216.16 | 11.35 | 1.056 | 0.99974 |
| 4783              | 2                    | 5.72                        | 16                    | 2,779                         | 261                                    | 0.061 | 173.69 | 10.65 | 1.067 | 0.99975 |
| 4784              | 1                    | 2.78                        | 10                    | 1,670                         | 404                                    | 0.025 | 167.00 | 4.13  | 1.000 | 0.99990 |
| 4791              | 2                    | 1.00                        | 2                     | 60                            | 650                                    | 0.003 | 30.00  | 0.09  | 1.000 | 0.99999 |
| 4891              | 1                    | 1.00                        | 1                     | 60                            | 605                                    | 0.002 | 60.00  | 0.10  | 1.000 | 0.99999 |
| 4906              | 3                    | 6.22                        | 46                    | 5,833                         | 1,324                                  | 0.035 | 126.80 | 4.41  | 1.000 | 0.99990 |
| 5603              | 5                    | 3.55                        | 89                    | 4,584                         | 1,537                                  | 0.058 | 51.51  | 2.98  | 1.011 | 0.99993 |
| 5641              | 1                    | 0.43                        | 1                     | 26                            | 349                                    | 0.003 | 26.00  | 0.07  | 1.000 | 0.99999 |
| 5901              | 1                    | 0.45                        | 1                     | 27                            | 912                                    | 0.001 | 27.00  | 0.03  | 1.000 | 0.99999 |
| 5903              | 1                    | 0.67                        | 15                    | 602                           | 292                                    | 0.051 | 40.13  | 2.06  | 1.000 | 0.99995 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 5905              | 2                    | 1.43                        | 89                    | 3,848                         | 1,997                                  | 0.045 | 43.24  | 1.93  | 1.000 | 0.99996 |
| 6021              | 3                    | 3.50                        | 116                   | 8,893                         | 1,386                                  | 0.084 | 76.66  | 6.42  | 1.084 | 0.99985 |
| 6022              | 1                    | 1.18                        | 1                     | 71                            | 582                                    | 0.002 | 71.00  | 0.12  | 1.000 | 0.99999 |
| 6024              | 1                    | 0.70                        | 1                     | 42                            | 400                                    | 0.003 | 42.00  | 0.11  | 1.000 | 0.99999 |
| 6141              | 1                    | 2.27                        | 411                   | 56,019                        | 660                                    | 0.623 | 136.30 | 84.88 | 1.000 | 0.99804 |
| 6402              | 1                    | 0.92                        | 173                   | 9,581                         | 173                                    | 1.000 | 55.38  | 55.38 | 1.000 | 0.99872 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 244                  | 303.22                      | 9,628                 | 717,273                       | 179,066                                | 0.054 | 74.50  | 4.01  | 1.022 | 0.99991 |

**THE EMPIRE DISTRICT ELECTRIC COMPANY**  
**CUSTOMER OUTAGE STATISTICS AND INDICES FOR MISSOURI**  
12/1/2023 to 12/31/2023  
EXCLUDING MAJOR EVENT DAYS

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI  | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|--------|-------|---------|
| 1051              | 1                    | 0.68                        | 1                     | 41                            | 562                                    | 0.002 | 41.00  | 0.07   | 1.000 | 0.99999 |
| 1082              | 2                    | 1.59                        | 48                    | 2,297                         | 1,437                                  | 0.033 | 47.85  | 1.60   | 1.143 | 0.99996 |
| 1084              | 1                    | 2.05                        | 1                     | 123                           | 8                                      | 0.125 | 123.00 | 15.38  | 1.000 | 0.99966 |
| 1091              | 1                    | 0.78                        | 54                    | 2,585                         | 844                                    | 0.064 | 47.87  | 3.06   | 1.000 | 0.99993 |
| 1092              | 8                    | 12.51                       | 106                   | 14,187                        | 1,060                                  | 0.100 | 133.84 | 13.38  | 1.010 | 0.99970 |
| 1094              | 3                    | 1.86                        | 9                     | 272                           | 1,394                                  | 0.006 | 30.22  | 0.20   | 1.000 | 0.99999 |
| 1103              | 2                    | 1.46                        | 77                    | 3,425                         | 1,029                                  | 0.075 | 44.48  | 3.33   | 1.000 | 0.99993 |
| 1211              | 1                    | 2.18                        | 1                     | 131                           | 1,526                                  | 0.001 | 131.00 | 0.09   | 1.000 | 0.99999 |
| 1212              | 1                    | 1.40                        | 1                     | 84                            | 354                                    | 0.003 | 84.00  | 0.24   | 1.000 | 0.99999 |
| 1230              | 2                    | 7.72                        | 647                   | 220,096                       | 1,174                                  | 0.551 | 340.18 | 187.48 | 1.002 | 0.99580 |
| 1232              | 1                    | 0.93                        | 1                     | 56                            | 1,239                                  | 0.001 | 56.00  | 0.05   | 1.000 | 0.99999 |
| 1233              | 1                    | 0.55                        | 1                     | 33                            | 746                                    | 0.001 | 33.00  | 0.04   | 1.000 | 0.99999 |
| 1241              | 1                    | 1.52                        | 11                    | 1,006                         | 901                                    | 0.012 | 91.45  | 1.12   | 1.000 | 0.99997 |
| 1282              | 1                    | 0.95                        | 173                   | 9,941                         | 711                                    | 0.243 | 57.46  | 13.98  | 1.000 | 0.99969 |
| 1311              | 1                    | 0.78                        | 1                     | 47                            | 289                                    | 0.003 | 47.00  | 0.16   | 1.000 | 0.99999 |
| 1312              | 1                    | 0.65                        | 49                    | 1,930                         | 1,001                                  | 0.049 | 39.39  | 1.93   | 1.000 | 0.99996 |
| 1523              | 2                    | 3.83                        | 783                   | 16,709                        | 782                                    | 1.001 | 21.34  | 21.37  | 1.001 | 0.99952 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 1843              | 2                    | 2.12                        | 23                    | 1,464                         | 1,152                                  | 0.020 | 63.65  | 1.27  | 1.533 | 0.99997 |
| 2091              | 1                    | 1.17                        | 1                     | 70                            | 954                                    | 0.001 | 70.00  | 0.07  | 1.000 | 0.99999 |
| 2092              | 1                    | 1.12                        | 1                     | 67                            | 969                                    | 0.001 | 67.00  | 0.07  | 1.000 | 0.99999 |
| 2171              | 1                    | 1.02                        | 1                     | 61                            | 604                                    | 0.002 | 61.00  | 0.10  | 1.000 | 0.99999 |
| 2172              | 2                    | 2.59                        | 19                    | 1,757                         | 256                                    | 0.074 | 92.47  | 6.86  | 1.056 | 0.99985 |
| 2212              | 1                    | 0.67                        | 1                     | 40                            | 1,480                                  | 0.001 | 40.00  | 0.03  | 1.000 | 0.99999 |
| 2501              | 1                    | 0.58                        | 45                    | 1,591                         | 84                                     | 0.536 | 35.36  | 18.94 | 1.000 | 0.99958 |
| 2621              | 1                    | 0.80                        | 1                     | 48                            | 1,210                                  | 0.001 | 48.00  | 0.04  | 1.000 | 0.99999 |
| 2951              | 1                    | 1.10                        | 16                    | 1,068                         | 1,278                                  | 0.013 | 66.75  | 0.84  | 1.000 | 0.99998 |
| 2961              | 1                    | 0.78                        | 9                     | 425                           | 660                                    | 0.014 | 47.22  | 0.64  | 1.000 | 0.99999 |
| 3122              | 3                    | 5.85                        | 3                     | 351                           | 901                                    | 0.003 | 117.00 | 0.39  | 1.000 | 0.99999 |
| 3181              | 2                    | 3.01                        | 2                     | 181                           | 780                                    | 0.003 | 90.50  | 0.23  | 1.000 | 0.99999 |
| 3221              | 1                    | 0.63                        | 10                    | 382                           | 1,303                                  | 0.008 | 38.20  | 0.29  | 1.000 | 0.99999 |
| 3222              | 2                    | 3.10                        | 29                    | 3,283                         | 808                                    | 0.036 | 113.21 | 4.06  | 1.000 | 0.99991 |
| 3302              | 1                    | 0.82                        | 3                     | 147                           | 717                                    | 0.004 | 49.00  | 0.21  | 1.000 | 0.99999 |
| 3315              | 3                    | 3.80                        | 3                     | 228                           | 1,625                                  | 0.002 | 76.00  | 0.14  | 1.000 | 0.99999 |
| 3423              | 1                    | 1.07                        | 18                    | 1,166                         | 407                                    | 0.044 | 64.78  | 2.86  | 1.000 | 0.99994 |
| 3551              | 1                    | 1.60                        | 14                    | 1,349                         | 1,053                                  | 0.013 | 96.36  | 1.28  | 1.000 | 0.99997 |
| 3552              | 1                    | 1.65                        | 108                   | 10,706                        | 591                                    | 0.183 | 99.13  | 18.12 | 1.000 | 0.99959 |
| 3553              | 1                    | 0.52                        | 65                    | 2,059                         | 892                                    | 0.073 | 31.68  | 2.31  | 1.000 | 0.99995 |
| 3591              | 1                    | 1.20                        | 1                     | 72                            | 1,633                                  | 0.001 | 72.00  | 0.04  | 1.000 | 0.99999 |
| 3592              | 1                    | 1.22                        | 1                     | 73                            | 1,850                                  | 0.001 | 73.00  | 0.04  | 1.000 | 0.99999 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 3594              | 1                    | 0.93                        | 1                     | 56                            | 910                                    | 0.001 | 56.00  | 0.06  | 1.000 | 0.99999 |
| 3621              | 3                    | 1.92                        | 3                     | 115                           | 1,660                                  | 0.002 | 38.33  | 0.07  | 1.000 | 0.99999 |
| 3661              | 2                    | 2.25                        | 68                    | 5,559                         | 1,121                                  | 0.061 | 81.75  | 4.96  | 1.000 | 0.99989 |
| 3664              | 1                    | 0.67                        | 1                     | 40                            | 595                                    | 0.002 | 40.00  | 0.07  | 1.000 | 0.99999 |
| 3671              | 1                    | 2.88                        | 1                     | 173                           | 679                                    | 0.001 | 173.00 | 0.25  | 1.000 | 0.99999 |
| 3693              | 1                    | 0.53                        | 11                    | 352                           | 183                                    | 0.060 | 32.00  | 1.92  | 1.000 | 0.99996 |
| 3694              | 1                    | 0.15                        | 1                     | 9                             | 550                                    | 0.002 | 9.00   | 0.02  | 1.000 | 0.99999 |
| 3701              | 2                    | 0.82                        | 10                    | 302                           | 551                                    | 0.018 | 30.20  | 0.55  | 1.111 | 0.99999 |
| 3702              | 1                    | 0.62                        | 18                    | 680                           | 745                                    | 0.024 | 37.78  | 0.91  | 1.000 | 0.99998 |
| 3751              | 2                    | 3.55                        | 2                     | 213                           | 940                                    | 0.002 | 106.50 | 0.23  | 1.000 | 0.99999 |
| 3872              | 4                    | 5.38                        | 19                    | 1,124                         | 1,227                                  | 0.015 | 59.16  | 0.92  | 1.056 | 0.99998 |
| 3878              | 1                    | 1.42                        | 12                    | 1,020                         | 871                                    | 0.014 | 85.00  | 1.17  | 1.000 | 0.99997 |
| 3893              | 5                    | 5.09                        | 1,890                 | 100,216                       | 1,218                                  | 1.552 | 53.02  | 82.28 | 1.552 | 0.99816 |
| 3901              | 1                    | 1.47                        | 1                     | 88                            | 894                                    | 0.001 | 88.00  | 0.10  | 1.000 | 0.99999 |
| 3951              | 4                    | 13.36                       | 70                    | 3,995                         | 974                                    | 0.072 | 57.07  | 4.10  | 1.061 | 0.99991 |
| 3952              | 2                    | 1.06                        | 48                    | 2,145                         | 929                                    | 0.052 | 44.69  | 2.31  | 1.000 | 0.99995 |
| 3953              | 2                    | 1.34                        | 4                     | 148                           | 550                                    | 0.007 | 37.00  | 0.27  | 1.000 | 0.99999 |
| 3981              | 3                    | 2.66                        | 87                    | 7,064                         | 1,601                                  | 0.054 | 81.20  | 4.41  | 1.024 | 0.99990 |
| 3982              | 4                    | 3.30                        | 87                    | 4,387                         | 1,841                                  | 0.047 | 50.43  | 2.38  | 1.012 | 0.99995 |
| 4031              | 2                    | 1.97                        | 122                   | 6,990                         | 724                                    | 0.169 | 57.30  | 9.65  | 1.821 | 0.99978 |
| 4091              | 3                    | 5.89                        | 26                    | 2,713                         | 1,222                                  | 0.021 | 104.35 | 2.22  | 1.000 | 0.99995 |
| 4092              | 1                    | 0.98                        | 468                   | 27,658                        | 468                                    | 1.000 | 59.10  | 59.10 | 1.000 | 0.99868 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4101              | 2                    | 7.29                        | 6                     | 1,318                         | 993                                    | 0.006 | 219.67 | 1.33  | 1.000 | 0.99997 |
| 4153              | 1                    | 1.15                        | 1                     | 69                            | 1,250                                  | 0.001 | 69.00  | 0.06  | 1.000 | 0.99999 |
| 4171              | 2                    | 2.31                        | 18                    | 892                           | 1,218                                  | 0.015 | 49.56  | 0.73  | 1.059 | 0.99998 |
| 4172              | 1                    | 3.48                        | 149                   | 31,242                        | 1,908                                  | 0.078 | 209.68 | 16.37 | 1.000 | 0.99963 |
| 4173              | 1                    | 0.73                        | 13                    | 578                           | 697                                    | 0.019 | 44.46  | 0.83  | 1.000 | 0.99998 |
| 4181              | 1                    | 0.73                        | 1                     | 44                            | 802                                    | 0.001 | 44.00  | 0.05  | 1.000 | 0.99999 |
| 4211              | 2                    | 1.14                        | 254                   | 8,673                         | 822                                    | 0.309 | 34.15  | 10.55 | 1.012 | 0.99976 |
| 4212              | 1                    | 1.37                        | 1                     | 82                            | 1,113                                  | 0.001 | 82.00  | 0.07  | 1.000 | 0.99999 |
| 4222              | 2                    | 6.60                        | 326                   | 102,355                       | 1,098                                  | 0.297 | 313.97 | 93.22 | 1.042 | 0.99791 |
| 4224              | 1                    | 1.85                        | 1                     | 111                           | 783                                    | 0.001 | 111.00 | 0.14  | 1.000 | 0.99999 |
| 4313              | 1                    | 1.23                        | 1                     | 74                            | 563                                    | 0.002 | 74.00  | 0.13  | 1.000 | 0.99999 |
| 4342              | 1                    | 1.33                        | 1                     | 80                            | 806                                    | 0.001 | 80.00  | 0.10  | 1.000 | 0.99999 |
| 4343              | 2                    | 2.80                        | 39                    | 2,684                         | 1,720                                  | 0.023 | 68.82  | 1.56  | 1.026 | 0.99997 |
| 4344              | 1                    | 1.87                        | 55                    | 6,169                         | 372                                    | 0.148 | 112.16 | 16.58 | 1.000 | 0.99963 |
| 4361              | 4                    | 2.58                        | 10                    | 351                           | 1,713                                  | 0.006 | 35.10  | 0.20  | 1.000 | 0.99999 |
| 4362              | 2                    | 1.44                        | 144                   | 6,302                         | 850                                    | 0.169 | 43.76  | 7.41  | 1.000 | 0.99983 |
| 4363              | 4                    | 5.00                        | 44                    | 4,943                         | 712                                    | 0.062 | 112.34 | 6.94  | 1.073 | 0.99984 |
| 4364              | 1                    | 1.42                        | 1                     | 85                            | 881                                    | 0.001 | 85.00  | 0.10  | 1.000 | 0.99999 |
| 4371              | 3                    | 7.91                        | 33                    | 2,774                         | 1,591                                  | 0.021 | 84.06  | 1.74  | 1.065 | 0.99996 |
| 4385              | 1                    | 1.33                        | 1                     | 80                            | 1,163                                  | 0.001 | 80.00  | 0.07  | 1.000 | 0.99999 |
| 4511              | 1                    | 0.67                        | 26                    | 1,045                         | 1,149                                  | 0.023 | 40.19  | 0.91  | 1.000 | 0.99998 |
| 4601              | 1                    | 1.08                        | 12                    | 788                           | 417                                    | 0.029 | 65.67  | 1.89  | 1.000 | 0.99996 |

| CIRCUIT<br>NUMBER | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL CUST.<br>ON AFFECTED<br>CIRCUITS | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
|-------------------|----------------------|-----------------------------|-----------------------|-------------------------------|----------------------------------------|-------|--------|-------|-------|---------|
| 4602              | 1                    | 1.17                        | 55                    | 3,830                         | 989                                    | 0.056 | 69.64  | 3.87  | 1.000 | 0.99991 |
| 4693              | 1                    | 0.58                        | 1                     | 35                            | 174                                    | 0.006 | 35.00  | 0.20  | 1.000 | 0.99999 |
| 4714              | 1                    | 1.12                        | 97                    | 6,562                         | 362                                    | 0.268 | 67.65  | 18.13 | 1.000 | 0.99959 |
| 4791              | 1                    | 1.47                        | 1                     | 88                            | 650                                    | 0.002 | 88.00  | 0.14  | 1.000 | 0.99999 |
| 4902              | 2                    | 1.25                        | 118                   | 4,959                         | 1,229                                  | 0.096 | 42.03  | 4.03  | 1.000 | 0.99991 |
| 4906              | 2                    | 2.33                        | 104                   | 7,807                         | 1,324                                  | 0.079 | 75.07  | 5.90  | 1.010 | 0.99987 |
| 5602              | 1                    | 2.50                        | 1                     | 150                           | 721                                    | 0.001 | 150.00 | 0.21  | 1.000 | 0.99999 |
| 5603              | 1                    | 0.98                        | 1                     | 59                            | 1,537                                  | 0.001 | 59.00  | 0.04  | 1.000 | 0.99999 |
| 5902              | 1                    | 1.08                        | 1                     | 65                            | 979                                    | 0.001 | 65.00  | 0.07  | 1.000 | 0.99999 |
| 5905              | 3                    | 3.77                        | 181                   | 13,812                        | 1,997                                  | 0.091 | 76.31  | 6.92  | 1.006 | 0.99985 |
| 6021              | 1                    | 0.53                        | 1                     | 32                            | 1,386                                  | 0.001 | 32.00  | 0.02  | 1.000 | 0.99999 |
| 6022              | 1                    | 1.17                        | 1                     | 70                            | 582                                    | 0.002 | 70.00  | 0.12  | 1.000 | 0.99999 |
|                   | NUMBER OF<br>OUTAGES | OUTAGE<br>HOURS<br>REPORTED | CUSTOMERS<br>AFFECTED | CUSTOMER<br>OUTAGE<br>MINUTES | TOTAL<br>CUSTOMERS<br>SERVED           | SAIFI | CAIDI  | SAIDI | CAIFI | ASAI    |
| Total:            | 159                  | 209.36                      | 6,987                 | 672,806                       | 179,066                                | 0.039 | 96.29  | 3.76  | 1.125 | 0.99992 |