

Evergy Kansas Central  
March 14th, 2025  
Significant Event

This report has been prepared and is being submitted to comply with the Electric Reliability Requirements section 3, part N and section 6, part B of Docket 02-GIME-365-GIE.

Beginning on Friday, March 14th at approximately 1:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Emporia, Lawrence, Topeka, Leavenworth, Wichita, Yates Center, Atchison, Pittsburg, Marysville, Rossville, Silver Lake, Council Grove, Onaga, Shawnee, El Dorado, Canton, Westmoreland, Hanover, Severy, Independence, Olathe, De Soto and Eureka.

The peak number of customers without power occurred within the 4:00 PM hour of March 14th and totaled approximately 19,562 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 31,143 customers experienced sustained service interruptions.

Approximately 29,015 interrupted customers had been restored before 12:00 AM on March 15th.

## Communities & Cities affected during the is event period

| City or Community Affected |
|----------------------------|
| Abilene                    |
| Andover                    |
| Arcadia                    |
| Arkansas City              |
| Arma                       |
| Atchison                   |
| Augusta                    |
| Basehor                    |
| Belle Plaine               |
| Bendena                    |
| Benton                     |
| Berryton                   |
| Blaine                     |
| Blue Mound                 |
| Bremen                     |
| Brookville                 |
| Burlington                 |
| Caney                      |
| Canton                     |
| Cheney                     |
| Circleville                |
| Clearwater                 |
| Climax                     |
| Coffeyville                |
| Colony                     |
| Conway                     |
| Council Grove              |
| De Soto                    |
| Denison                    |
| Derby                      |
| Duluth                     |
| Edwardsville               |
| Effingham                  |
| El Dorado                  |
| Emporia                    |
| Enterprise                 |
| Eskridge                   |
| Eudora                     |
| Eureka                     |
| Everest                    |
| Fairview                   |
| Fall River                 |
| Florence                   |
| Fort Scott                 |
| Fostoria                   |
| Franklin                   |
| Frontenac                  |
| Galva                      |
| Garden Plain               |
| Girard                     |
| Goddard                    |

| <b>City or Community Affected</b> |
|-----------------------------------|
| Gridley                           |
| Hamilton                          |
| Hanover                           |
| Hartford                          |
| Havensville                       |
| Haysville                         |
| Herkimer                          |
| Hesston                           |
| Hiawatha                          |
| Highland                          |
| Holton                            |
| Horton                            |
| Howard                            |
| Hoyt                              |
| Hutchinson                        |
| Independence                      |
| Junction City                     |
| Kechi                             |
| Kincaid                           |
| Lansing                           |
| Lawrence                          |
| Le Roy                            |
| Leavenworth                       |
| Lebo                              |
| Lecompton                         |
| Lenexa                            |
| Leon                              |
| Linwood                           |
| Lone Elm                          |
| Manhattan                         |
| Maple Hill                        |
| Marysville                        |
| Mayetta                           |
| Mcpherson                         |
| Meriden                           |
| Mildred                           |
| Moran                             |
| Morrill                           |
| Mulberry                          |
| Muscotah                          |
| Neodesha                          |
| Neosho Rapids                     |
| Newton                            |
| Olathe                            |
| Olpe                              |
| Olsburg                           |
| Onaga                             |
| Overbrook                         |
| Ozawkie                           |
| Parsons                           |
| Peabody                           |
| Piedmont                          |

| <b>City or Community Affected</b> |
|-----------------------------------|
| Piqua                             |
| Pittsburg                         |
| Powhattan                         |
| Pretty Prairie                    |
| Randolph                          |
| Rose Hill                         |
| Rossville                         |
| Sabetha                           |
| Salina                            |
| Sedgwick                          |
| Severy                            |
| Shawnee                           |
| Shawnee Mission                   |
| Silver Lake                       |
| Solomon                           |
| South Hutchinson                  |
| Tecumseh                          |
| Tonganoxie                        |
| Topeka                            |
| Toronto                           |
| Towanda                           |
| Troy                              |
| Udall                             |
| Valley Center                     |
| Valley Falls                      |
| Virgil                            |
| Wakarusa                          |
| Westmoreland                      |
| Wheaton                           |
| Wichita                           |
| Willard                           |
| Yates Center                      |

## Circuits Affected

| Circuit Name | Retail Electric Customers Affected |
|--------------|------------------------------------|
| ESTR012036   | 5,531                              |
| 19TH012022   | 2,303                              |
| CIRV343130   | 1,563                              |
| 27CR012005   | 1,540                              |
| PENT012022   | 1,223                              |
| CRSL012024   | 1,057                              |
| WALN012024   | 1,031                              |
| EEUR012026   | 879                                |
| MULB023004   | 852                                |
| SPRU012018   | 847                                |
| HUDS012008   | 781                                |
| ORCH012004   | 765                                |
| WMCP-#1 XFMR | 702                                |
| GENE340465   | 678                                |
| MSVL012001   | 659                                |
| FRLC012004   | 619                                |
| KNOB342690   | 597                                |
| COUN012022   | 528                                |
| ADA 012004   | 496                                |
| ORCH012002   | 460                                |
| MARM034002   | 443                                |
| KING342781   | 433                                |
| ROSS012004   | 340                                |
| ROSS012002   | 311                                |
| PAWN012012   | 289                                |
| AEC 342010   | 259                                |
| ADSO012002   | 239                                |
| ROSS012003   | 199                                |
| FROT012026   | 198                                |
| FMC 012016   | 192                                |
| BVUR012014   | 130                                |
| INDE012004   | 127                                |
| STWN012016   | 124                                |
| SENE012002   | 123                                |
| CANA012014   | 119                                |
| TONT012002   | 103                                |
| SGAG012014   | 101                                |
| SWLA012034   | 101                                |
| TAYL012004   | 88                                 |
| CECR012012   | 87                                 |
| TIML012024   | 82                                 |
| CANA012028   | 79                                 |
| PAWN012016   | 78                                 |
| INDE012002   | 75                                 |
| 6GOL012024   | 74                                 |
| HALL012016   | 72                                 |
| PARA012014   | 71                                 |
| NORL012005   | 70                                 |
| MOON012016   | 69                                 |
| SWLA012024   | 69                                 |
| 2PRE012003   | 68                                 |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| OSAG012004          | 68                                        |
| FTJU012002          | 67                                        |
| LEBO012014          | 66                                        |
| MDOW012004          | 66                                        |
| FORT012012          | 64                                        |
| INNO012004          | 61                                        |
| DAVI012008          | 60                                        |
| PITT012004          | 60                                        |
| WJC 012003          | 58                                        |
| FAIG012002          | 57                                        |
| CANE012002          | 56                                        |
| FAIR012014          | 56                                        |
| WEAV012004          | 55                                        |
| COLI012001          | 52                                        |
| HARR012004          | 50                                        |
| MONT012004          | 50                                        |
| VIST012024          | 50                                        |
| CITI012034          | 46                                        |
| MDOW012002          | 46                                        |
| QUIN012004          | 46                                        |
| SGAG012012          | 46                                        |
| OAK 012004          | 44                                        |
| EFAI012002          | 42                                        |
| CRPC012002          | 40                                        |
| EAST012012          | 40                                        |
| EFFJ012001          | 40                                        |
| ROSE012062          | 39                                        |
| INDE012006          | 37                                        |
| PEIL012002          | 37                                        |
| 41CA012003          | 35                                        |
| PEIL012004          | 35                                        |
| WATC012001          | 35                                        |
| 27CR012003          | 34                                        |
| STWN012024          | 33                                        |
| HATC012022          | 32                                        |
| 12CL012013          | 30                                        |
| DEPA012004          | 30                                        |
| BAKE012002          | 29                                        |
| 19TH012014          | 27                                        |
| GRNT012022          | 27                                        |
| RIPL012002          | 26                                        |
| 41CA012004          | 25                                        |
| PARI012006          | 25                                        |
| MASC012002          | 24                                        |
| COOK012014          | 23                                        |
| FAIG012006          | 23                                        |
| GREE012002          | 23                                        |
| MAHA012004          | 23                                        |
| QUIN012008          | 22                                        |
| 4VAN012030          | 21                                        |
| ARNO012016          | 21                                        |
| HAYS012006          | 21                                        |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| HHSS012002          | 21                                        |
| 17TH012062          | 20                                        |
| HESS012004          | 20                                        |
| PAWN012022          | 20                                        |
| SWLA012016          | 20                                        |
| CHEY012024          | 19                                        |
| PAWN012024          | 19                                        |
| WALN012012          | 19                                        |
| 19TH012024          | 18                                        |
| ROSE012066          | 18                                        |
| DAVI012006          | 17                                        |
| MIDI012066          | 17                                        |
| 17FL012010          | 16                                        |
| EDUC012004          | 16                                        |
| ELPA012002          | 16                                        |
| 17FL012011          | 15                                        |
| LAWH012032          | 15                                        |
| NORT012002          | 15                                        |
| SHAW012003          | 15                                        |
| WEBB012004          | 15                                        |
| BEEC012016          | 14                                        |
| HKMR012000          | 14                                        |
| SHER012006          | 14                                        |
| TIML012032          | 14                                        |
| RIVE012016          | 13                                        |
| SHER012012          | 13                                        |
| CANA012016          | 12                                        |
| DEAR012002          | 12                                        |
| EAST012014          | 12                                        |
| 2PRE012001          | 11                                        |
| 43LO012002          | 11                                        |
| COLI012002          | 11                                        |
| OSAG012002          | 11                                        |
| PARC012002          | 11                                        |
| PECK012002          | 11                                        |
| 27CR012004          | 10                                        |
| 6TH 012034          | 10                                        |
| COUN012012          | 10                                        |
| 21ST012016          | 9                                         |
| 30PR012026          | 9                                         |
| ADAM012002          | 9                                         |
| FORB012024          | 9                                         |
| HAYS012004          | 9                                         |
| PARI012004          | 9                                         |
| ZOOS012014          | 9                                         |
| CANA012024          | 8                                         |
| INDI012002          | 8                                         |
| MACA012008          | 8                                         |
| MONT012008          | 8                                         |
| NORL012012          | 8                                         |
| RIVE012014          | 8                                         |
| SHER012010          | 8                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| VIRG012012          | 8                                         |
| ARKA012018          | 7                                         |
| DAVI012002          | 7                                         |
| NEWT012010          | 7                                         |
| OLPE012016          | 7                                         |
| QUIN012003          | 7                                         |
| ZOOS012016          | 7                                         |
| CRVL012002          | 6                                         |
| GALE012002          | 6                                         |
| HOOV012024          | 6                                         |
| INTE012036          | 6                                         |
| K99 012016          | 6                                         |
| MASC012004          | 6                                         |
| NTYL012024          | 6                                         |
| THUN012002          | 6                                         |
| WASS012002          | 6                                         |
| ARCA004000          | 5                                         |
| ATHE012002          | 5                                         |
| CANA012008          | 5                                         |
| CLWA012004          | 5                                         |
| CSTV012006          | 5                                         |
| HALL012022          | 5                                         |
| HAMI012012          | 5                                         |
| HEAR012002          | 5                                         |
| HUDS012022          | 5                                         |
| INDI012001          | 5                                         |
| MOBI012010          | 5                                         |
| PARI012008          | 5                                         |
| VIST012022          | 5                                         |
| 30PR012014          | 4                                         |
| BELA012002          | 4                                         |
| BELL012002          | 4                                         |
| CARN007000          | 4                                         |
| LEVE012004          | 4                                         |
| OSKA012000          | 4                                         |
| PARS013004          | 4                                         |
| QUIN012009          | 4                                         |
| REED012006          | 4                                         |
| SDAL012004          | 4                                         |
| THUN012006          | 4                                         |
| VIST012004          | 4                                         |
| 4VAN012035          | 3                                         |
| 6TH 012016          | 3                                         |
| ARKA012002          | 3                                         |
| ARKA012004          | 3                                         |
| BECR012012          | 3                                         |
| DENI012002          | 3                                         |
| EVER012002          | 3                                         |
| FOUR012003          | 3                                         |
| GODD012006          | 3                                         |
| GREE012004          | 3                                         |
| HOWA002000          | 3                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| KNOX012002          | 3                                         |
| SESK012001          | 3                                         |
| SGAT012022          | 3                                         |
| SUNS012002          | 3                                         |
| THOR012012          | 3                                         |
| WARE012006          | 3                                         |
| ARKA012006          | 2                                         |
| ARKA012056          | 2                                         |
| ARNO012014          | 2                                         |
| ARNO012022          | 2                                         |
| BENJ012014          | 2                                         |
| BRWK012001          | 2                                         |
| DEER012014          | 2                                         |
| EEUR012024          | 2                                         |
| FAIG012012          | 2                                         |
| GRNT012024          | 2                                         |
| HAMI012016          | 2                                         |
| HAYS012002          | 2                                         |
| HMAY012001          | 2                                         |
| LAWH012024          | 2                                         |
| LEBO012012          | 2                                         |
| LEON012004          | 2                                         |
| LSPR012000          | 2                                         |
| MATT012006          | 2                                         |
| MIDI012062          | 2                                         |
| MSVL012002          | 2                                         |
| NEPA013012          | 2                                         |
| OATV012032          | 2                                         |
| PARA012012          | 2                                         |
| PITN012002          | 2                                         |
| READ012014          | 2                                         |
| SKEL012006          | 2                                         |
| SMOL012012          | 2                                         |
| SPRU012022          | 2                                         |
| SPRU012024          | 2                                         |
| SUNS012004          | 2                                         |
| UDAL012006          | 2                                         |
| WALN012026          | 2                                         |
| WARN012002          | 2                                         |
| 12CL012024          | 1                                         |
| 17FL012022          | 1                                         |
| 54MR012003          | 1                                         |
| 54MR012005          | 1                                         |
| 59TH012002          | 1                                         |
| 59TH012004          | 1                                         |
| 6GOL012026          | 1                                         |
| 6TH 012032          | 1                                         |
| ALLE012004          | 1                                         |
| ALTO012002          | 1                                         |
| CENT012012          | 1                                         |
| CHAR012014          | 1                                         |
| CHCR012012          | 1                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| CITI012032          | 1                                         |
| COND012002          | 1                                         |
| COTT012014          | 1                                         |
| DEPA012002          | 1                                         |
| DOYL012001          | 1                                         |
| EDWV012012          | 1                                         |
| EDWV012052          | 1                                         |
| EJEC012001          | 1                                         |
| ELDO012002          | 1                                         |
| ELDO012004          | 1                                         |
| ELPA012004          | 1                                         |
| ELPA012006          | 1                                         |
| EMAN012006          | 1                                         |
| FAIG012004          | 1                                         |
| FLIN012004          | 1                                         |
| FORT012014          | 1                                         |
| FOWL012004          | 1                                         |
| FTJU012004          | 1                                         |
| GORD012010          | 1                                         |
| GVIL012002          | 1                                         |
| HALS012002          | 1                                         |
| HOOV012036          | 1                                         |
| HYDR012002          | 1                                         |
| LANJ012000          | 1                                         |
| LEON012002          | 1                                         |
| LIBE012001          | 1                                         |
| MAPL012012          | 1                                         |
| MARM012002          | 1                                         |
| MATT012002          | 1                                         |
| MCRK012001          | 1                                         |
| MDOW012006          | 1                                         |
| MOON012024          | 1                                         |
| MOSS012002          | 1                                         |
| NEPA013004          | 1                                         |
| NETA012016          | 1                                         |
| NEWA007000          | 1                                         |
| NORL012010          | 1                                         |
| NORT012006          | 1                                         |
| NWLE012012          | 1                                         |
| OAK 012002          | 1                                         |
| OAKL012002          | 1                                         |
| OSAG012012          | 1                                         |
| PENT012012          | 1                                         |
| PENT012024          | 1                                         |
| QNCY012002          | 1                                         |
| RAIN012002          | 1                                         |
| RCMD012000          | 1                                         |
| READ012016          | 1                                         |
| RICH012002          | 1                                         |
| RUTA012004          | 1                                         |
| SCRA012001          | 1                                         |
| SGAG012024          | 1                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| SHAW012002          | 1                                         |
| SHWD012002          | 1                                         |
| SO10012014          | 1                                         |
| SPRI012026          | 1                                         |
| SPRU012016          | 1                                         |
| SWLA012026          | 1                                         |
| TONG012012          | 1                                         |
| UDAL012008          | 1                                         |
| VIRG012026          | 1                                         |
| WARE012004          | 1                                         |
| WAVE012014          | 1                                         |
| WMLD012000          | 1                                         |
| WREN012012          | 1                                         |

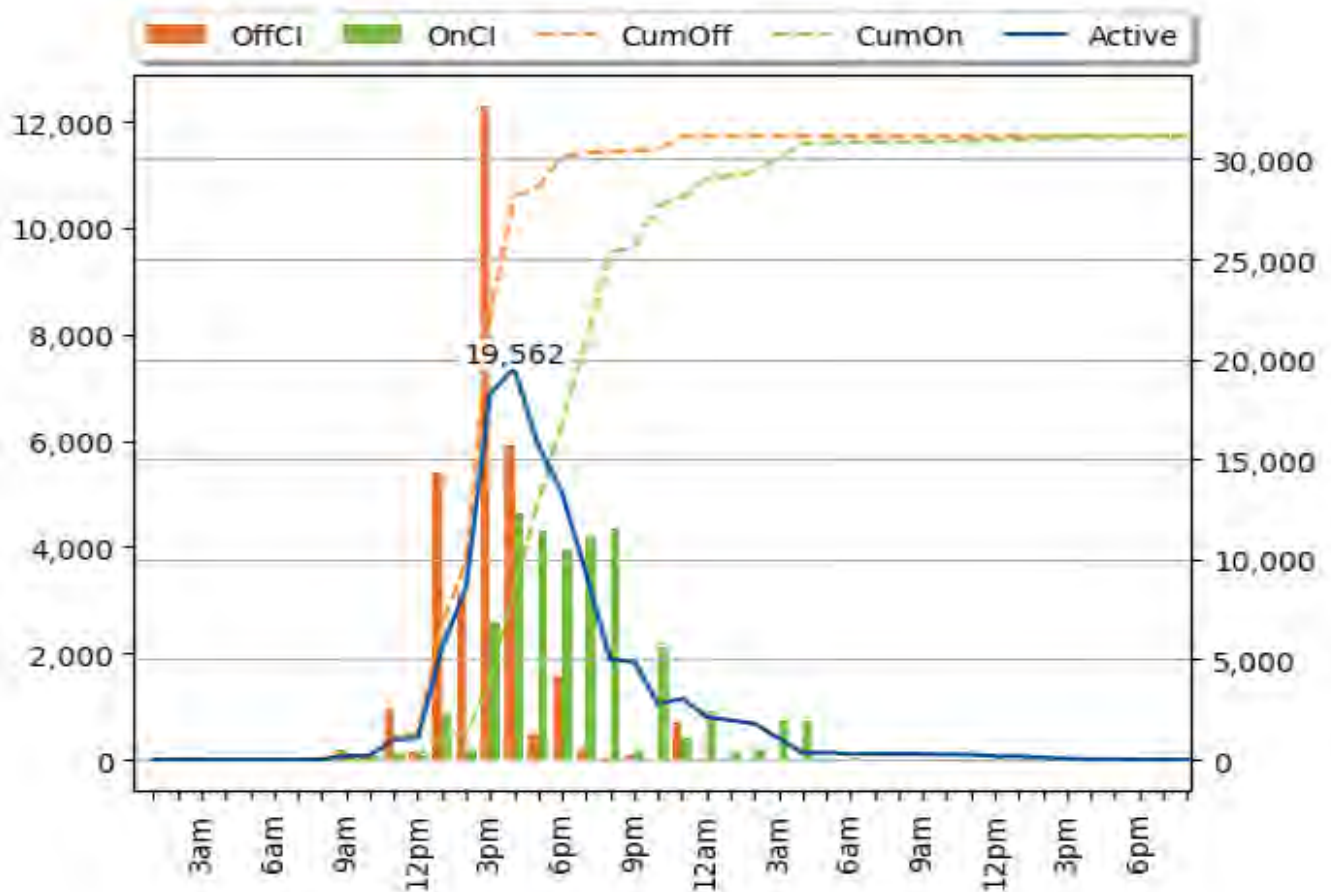
## Root Causes

| Root Cause   | Customers Out | Number of Events |
|--------------|---------------|------------------|
| Weather      | 25,824        | 339              |
| Equipment    | 2,550         | 48               |
| Vegetation   | 2,246         | 85               |
| Unknown      | 261           | 13               |
| Planned      | 162           | 55               |
| Wildlife     | 96            | 2                |
| Power Supply | 3             | 1                |
| Public       | 1             | 1                |

## Customers Out by Cause and Failed Component Type

| Failed Component     | Equipment    | Planned    | Power Supply | Public   | Unknown    | Vegetation   | Weather       | Wildlife  | Total         |
|----------------------|--------------|------------|--------------|----------|------------|--------------|---------------|-----------|---------------|
| Cable                | 0            | 0          | 0            | 0        | 0          | 0            | 78            | 0         | 78            |
| Connector            | 13           | 0          | 0            | 0        | 0          | 41           | 131           | 0         | 185           |
| Insulated Transition | 12           | 0          | 0            | 0        | 0          | 0            | 6             | 0         | 18            |
| Interrupting Device  | 24           | 0          | 0            | 0        | 153        | 517          | 4,015         | 96        | 4,805         |
| None                 | 0            | 2          | 0            | 0        | 2          | 114          | 301           | 0         | 419           |
| Other Equipment      | 1            | 143        | 3            | 1        | 38         | 1,274        | 13,743        | 0         | 15,203        |
| Structural Support   | 825          | 17         | 0            | 0        | 0          | 160          | 5,496         | 0         | 6,498         |
| Switch               | 7            | 0          | 0            | 0        | 68         | 1            | 217           | 0         | 293           |
| Transformer          | 33           | 0          | 0            | 0        | 0          | 1            | 13            | 0         | 47            |
| Wire                 | 1,635        | 0          | 0            | 0        | 0          | 138          | 1,824         | 0         | 3,597         |
| <b>Total</b>         | <b>2,550</b> | <b>162</b> | <b>3</b>     | <b>1</b> | <b>261</b> | <b>2,246</b> | <b>25,824</b> | <b>96</b> | <b>31,143</b> |

## Restoration Over March 14th, 2025



All data in the graph depict customer interruptions or CI.  
The Bars use the left Y-axis. The Lines use the right Y-axis