

Evergy Kansas Central  
June 17th, 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 Tuesday, June 17th at approximately 4:00 AM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Wichita, Haysville, Derby, Valley Center and Hutchinson.

The peak number of customers without power occurred within the 6:00 AM hour of June 17th and totaled approximately 44,737 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 86,091 customers experienced sustained service interruptions.

Approximately 67,592 interrupted customers had been restored before 12:00 AM on June 18th.

## Communities & Cities affected during the is event period

| City or Community Affected |
|----------------------------|
| Abilene                    |
| Admire                     |
| Andover                    |
| Arcadia                    |
| Arkansas City              |
| Atchison                   |
| Atlanta                    |
| Augusta                    |
| Barnard                    |
| Beaumont                   |
| Bel Aire                   |
| Belle Plaine               |
| Bennington                 |
| Beverly                    |
| Buhler                     |
| Burrton                    |
| Canton                     |
| Cheney                     |
| Clearwater                 |
| Colwich                    |
| Council Grove              |
| Delphos                    |
| Derby                      |
| Douglass                   |
| Dunlap                     |
| Eastborough                |
| El Dorado                  |
| Elsmore                    |
| Emporia                    |
| Eureka                     |
| Fort Scott                 |
| Galva                      |
| Garland                    |
| Geuda Springs              |
| Goddard                    |
| Goessel                    |
| Gypsum                     |
| Halstead                   |
| Hamilton                   |
| Haven                      |
| Haysville                  |
| Hesston                    |
| Hiawatha                   |
| Hillsboro                  |
| Holton                     |
| Hope                       |
| Humboldt                   |
| Hutchinson                 |
| Independence               |
| Inman                      |
| Junction City              |

| <b>City or Community Affected</b> |
|-----------------------------------|
| Kechi                             |
| Kingman                           |
| Lansing                           |
| Latham                            |
| Leavenworth                       |
| Lehigh                            |
| Leon                              |
| Lincoln                           |
| Linwood                           |
| Longford                          |
| Madison                           |
| Maize                             |
| Manhattan                         |
| Marysville                        |
| Mcpherson                         |
| Meriden                           |
| Minneapolis                       |
| Moline                            |
| Moundridge                        |
| Mulvane                           |
| Murdock                           |
| Neodesha                          |
| New Cambria                       |
| Newton                            |
| Nickerson                         |
| Olathe                            |
| Olpe                              |
| Oxford                            |
| Park City                         |
| Parkerfield                       |
| Peck                              |
| Piedmont                          |
| Pittsburg                         |
| Pretty Prairie                    |
| Reading                           |
| Redfield                          |
| Rosalia                           |
| Rose Hill                         |
| Rossville                         |
| Salina                            |
| Sedgwick                          |
| Solomon                           |
| South Hutchinson                  |
| Spring Hill                       |
| Strong City                       |
| Tescott                           |
| Topeka                            |
| Towanda                           |
| Udall                             |
| Valley Center                     |
| Wakefield                         |
| Wamego                            |

| <b>City or Community Affected</b> |
|-----------------------------------|
| Wellington                        |
| Wells                             |
| Westfall                          |
| Whitewater                        |
| Wichita                           |
| Windom                            |
| Winfield                          |
| Yoder                             |

## Circuits Affected

| Circuit Name | Retail Electric Customers Affected |
|--------------|------------------------------------|
| CANA012016   | 3,724                              |
| CANA012008   | 3,497                              |
| CENT012002   | 3,020                              |
| GRNT012022   | 2,717                              |
| WEST012026   | 2,540                              |
| TYLE012008   | 2,166                              |
| HAYS012004   | 2,145                              |
| PAWN012016   | 2,019                              |
| CENT012012   | 2,015                              |
| FARB012004   | 2,003                              |
| MIDL012012   | 1,873                              |
| STEA012006   | 1,810                              |
| HAYS012006   | 1,671                              |
| HYDR012002   | 1,647                              |
| HYDR012004   | 1,631                              |
| HOOV012022   | 1,451                              |
| HAYS012002   | 1,450                              |
| GRNT012024   | 1,417                              |
| CENT012014   | 1,401                              |
| RUTA012006   | 1,386                              |
| MACA012006   | 1,377                              |
| MASC012004   | 1,333                              |
| MDOW012008   | 1,196                              |
| MOBI012008   | 1,149                              |
| 43LO012006   | 1,081                              |
| FARB012014   | 985                                |
| 17TH012062   | 965                                |
| OAKL012004   | 941                                |
| COMO012014   | 831                                |
| LEON012004   | 818                                |
| NORT012014   | 816                                |
| 21ST012002   | 795                                |
| LEON012006   | 728                                |
| OSAG012012   | 700                                |
| GRNT012002   | 695                                |
| HALS012002   | 663                                |
| 18PL012002   | 649                                |
| PAWN012022   | 648                                |
| PAWN012012   | 633                                |
| PAWN012024   | 596                                |
| CLWA012002   | 586                                |
| SHER012004   | 559                                |
| BELA012006   | 538                                |
| INNO012004   | 522                                |
| MAGN012002   | 505                                |
| WASS012002   | 481                                |
| OSAG012016   | 470                                |
| WHAR012004   | 465                                |
| MOSS012002   | 463                                |
| MAHA012004   | 442                                |
| 17TH012076   | 437                                |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| MOSS012012          | 432                                       |
| INTE012016          | 420                                       |
| 21ST012016          | 407                                       |
| SBEN012002          | 393                                       |
| ELPA012004          | 383                                       |
| ARKA012056          | 376                                       |
| TYLE012006          | 375                                       |
| WARE012004          | 359                                       |
| ZOOS012014          | 359                                       |
| FLIN012004          | 345                                       |
| RIVE012016          | 325                                       |
| 59TH012004          | 310                                       |
| CHIS012024          | 309                                       |
| SHER012008          | 305                                       |
| MDOW012002          | 304                                       |
| CANT012001          | 303                                       |
| MOSS012004          | 301                                       |
| EAST012014          | 300                                       |
| VIST012002          | 286                                       |
| PRLD012004          | 283                                       |
| CANA012028          | 273                                       |
| CENT012016          | 272                                       |
| PARC012002          | 260                                       |
| WABI012024          | 250                                       |
| MDOW012006          | 249                                       |
| NORT012006          | 247                                       |
| VIST012004          | 247                                       |
| OAKL012002          | 243                                       |
| RIPL012002          | 243                                       |
| CANA012014          | 233                                       |
| GORD012002          | 228                                       |
| CHIS012022          | 227                                       |
| FOWL012002          | 224                                       |
| MACA012008          | 221                                       |
| NEWT012008          | 219                                       |
| 14LO012006          | 218                                       |
| MASC012006          | 212                                       |
| 18PL012004          | 206                                       |
| RUTA012002          | 201                                       |
| CANA012006          | 198                                       |
| TESC012001          | 198                                       |
| SENE012002          | 195                                       |
| MAIZ012004          | 193                                       |
| SDAL012002          | 187                                       |
| OSAG012004          | 185                                       |
| RIVE012014          | 183                                       |
| 43LO012004          | 182                                       |
| VIST012024          | 181                                       |
| HOOV012024          | 180                                       |
| RIVE012012          | 178                                       |
| SHER012010          | 175                                       |
| RIPL012008          | 174                                       |

| <b>Circuit Name</b>    | <b>Retail Electric Customers Affected</b> |
|------------------------|-------------------------------------------|
| SENE012016             | 171                                       |
| LEON012002             | 167                                       |
| FOWL012004             | 164                                       |
| GATZ012002             | 163                                       |
| EAST012032             | 162                                       |
| NORT012002             | 162                                       |
| BELL012002             | 158                                       |
| DELP012002             | 156                                       |
| CSTV012002             | 154                                       |
| WEBB012002             | 144                                       |
| MASC012002             | 139                                       |
| INTE012024             | 136                                       |
| OSAG012002             | 136                                       |
| NEWT012002, NEWT012010 | 135                                       |
| OAK 012002             | 130                                       |
| SALM341900             | 127                                       |
| FOWL012010             | 126                                       |
| ROSE012066             | 124                                       |
| HOOV012012             | 119                                       |
| PARI012006             | 118                                       |
| DAVI012006             | 117                                       |
| RIPL012010             | 114                                       |
| RUTA012004             | 112                                       |
| EAST012012             | 109                                       |
| SENE012012             | 109                                       |
| DAVI012008             | 107                                       |
| ADSO012002             | 102                                       |
| CRFD012005             | 96                                        |
| FORB012004             | 95                                        |
| TYLE012002             | 92                                        |
| PECK012012             | 89                                        |
| COWS012026             | 87                                        |
| PECK012002             | 81                                        |
| INMA012002             | 80                                        |
| 64TH012052             | 76                                        |
| NORT012018             | 75                                        |
| PARC012004             | 75                                        |
| HOOV012032             | 74                                        |
| ROSE012062             | 73                                        |
| UDAL012006             | 72                                        |
| FOWL012008             | 71                                        |
| OAKL012006             | 70                                        |
| OXFO012002             | 69                                        |
| CSTV012006             | 65                                        |
| CRPC012002             | 61                                        |
| OATV012036             | 56                                        |
| MAGN012004             | 55                                        |
| BEEC012004             | 54                                        |
| CRFD012001             | 49                                        |
| MOBI012010             | 49                                        |
| WHAR012012             | 49                                        |
| ELPA012006             | 47                                        |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| MACA012010          | 46                                        |
| GALE012002          | 45                                        |
| WHAR012014          | 45                                        |
| LIN 012002          | 44                                        |
| COND012002          | 42                                        |
| WJC 012034          | 41                                        |
| 17TH012052          | 40                                        |
| POTW012004          | 39                                        |
| VAUG344510          | 38                                        |
| LEVE012026          | 37                                        |
| OAK 012004          | 37                                        |
| ROSS012004          | 37                                        |
| CRFD012003          | 36                                        |
| PEIL012004          | 36                                        |
| HESS012002          | 35                                        |
| 18PL012008          | 34                                        |
| LSVL012001          | 34                                        |
| WEAV012004          | 34                                        |
| GODD012002          | 33                                        |
| MCKE012002          | 32                                        |
| WJC 012003          | 32                                        |
| VIST012022          | 30                                        |
| ANDO012004          | 29                                        |
| BEEC012018          | 29                                        |
| 14LO012002          | 28                                        |
| 30PR012016          | 27                                        |
| MACA012004          | 27                                        |
| TEET012016          | 27                                        |
| ADA 012004          | 26                                        |
| DUNL007000          | 26                                        |
| INTE012036          | 26                                        |
| MURR012002          | 25                                        |
| RICH012004          | 25                                        |
| ANDO012012          | 24                                        |
| ELPA012002          | 23                                        |
| HALS012008          | 23                                        |
| PLAZ012050          | 22                                        |
| 43LO012002          | 21                                        |
| GATZ012008          | 21                                        |
| WEBS012002          | 21                                        |
| WIND012002          | 21                                        |
| EABI012024          | 20                                        |
| SUNS012002          | 18                                        |
| WHAR012002          | 18                                        |
| 166 012016          | 17                                        |
| ELDO012004          | 17                                        |
| ZOOS012016          | 17                                        |
| COWS012002          | 16                                        |
| 11HL012010          | 15                                        |
| 17TH012066          | 15                                        |
| CRFD012002          | 15                                        |
| HALL012022          | 15                                        |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| INTE012022          | 15                                        |
| MINN012006          | 15                                        |
| PARI012008          | 15                                        |
| RAIN012002          | 15                                        |
| 29TH012004          | 14                                        |
| 3VAN012002          | 14                                        |
| 3VAN012006          | 14                                        |
| ARKA012006          | 14                                        |
| CANT012002          | 14                                        |
| HOOV012034          | 14                                        |
| JUNC012006          | 14                                        |
| MEAD012014          | 14                                        |
| GATZ012004          | 13                                        |
| READ012016          | 13                                        |
| 41CA012006          | 12                                        |
| CANA012026          | 12                                        |
| DAVI012004          | 12                                        |
| EAST012034          | 12                                        |
| MCRK012001          | 12                                        |
| THUN012006          | 12                                        |
| HOOV012014          | 11                                        |
| MAHA012002          | 11                                        |
| MINN012024          | 11                                        |
| 17TH012072          | 10                                        |
| RIPL012012          | 10                                        |
| UDAL012008          | 10                                        |
| EABI012002          | 9                                         |
| MARM012004          | 9                                         |
| OATV012032          | 9                                         |
| TYLE012004          | 9                                         |
| 27CR012005          | 8                                         |
| ARKA012018          | 8                                         |
| COUN012014          | 8                                         |
| ELKR023002          | 8                                         |
| INTE012004          | 8                                         |
| LEGH012002          | 8                                         |
| MAIZ012012          | 8                                         |
| MIDI012066          | 8                                         |
| 59TH012002          | 7                                         |
| HALS012004          | 7                                         |
| HARR012002          | 7                                         |
| LAKE012002          | 7                                         |
| SPRU012022          | 7                                         |
| 2PRE012002          | 6                                         |
| 4VAN012030          | 6                                         |
| BELA012002          | 6                                         |
| EAST012006          | 6                                         |
| GORD012008          | 6                                         |
| HOPE012000          | 6                                         |
| INMA012004          | 6                                         |
| RICH012002          | 6                                         |
| TIML012034          | 6                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| UNKNOWN             | 6                                         |
| WEBS012006          | 6                                         |
| ADAM012004          | 5                                         |
| BEAR012016          | 5                                         |
| CANA012024          | 5                                         |
| EABI012022          | 5                                         |
| GALV012012          | 5                                         |
| OAKH012000          | 5                                         |
| PITT012012          | 5                                         |
| SGAT012004          | 5                                         |
| SMOK012003          | 5                                         |
| TESC012002          | 5                                         |
| TIMB012006          | 5                                         |
| 14LO012004          | 4                                         |
| ARKA012002          | 4                                         |
| CENT012004          | 4                                         |
| COMO012002          | 4                                         |
| CRFD012004          | 4                                         |
| INDE012002          | 4                                         |
| INTE012002          | 4                                         |
| LAKE012014          | 4                                         |
| MADI012016          | 4                                         |
| MSVL012002          | 4                                         |
| NORL012005          | 4                                         |
| NTYL012022          | 4                                         |
| PARA012012          | 4                                         |
| SPRI012026          | 4                                         |
| STRO012014          | 4                                         |
| WABI012014          | 4                                         |
| WEMP012022          | 4                                         |
| 11HL012008          | 3                                         |
| CITI012036          | 3                                         |
| GATZ012006          | 3                                         |
| MATT012004          | 3                                         |
| NIKC004002          | 3                                         |
| NIKC004004          | 3                                         |
| PEAB012016          | 3                                         |
| RAIN012004          | 3                                         |
| VAUG012024          | 3                                         |
| 54MR012005          | 2                                         |
| ALLE012004          | 2                                         |
| BEEC012020          | 2                                         |
| DENI012002          | 2                                         |
| EEUR012022          | 2                                         |
| EEUR012026          | 2                                         |
| FORT012012          | 2                                         |
| GORD012006          | 2                                         |
| GYPS012003          | 2                                         |
| HARR012004          | 2                                         |
| LAND012014          | 2                                         |
| PARI012004          | 2                                         |
| PARK012014          | 2                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| ROSS012003          | 2                                         |
| SDAL012004          | 2                                         |
| SGAT012026          | 2                                         |
| SHER012022          | 2                                         |
| SKEL012010          | 2                                         |
| SMOK012006          | 2                                         |
| SO10012024          | 2                                         |
| WAKE012001          | 2                                         |
| WEBB012004          | 2                                         |
| WEST012022          | 2                                         |
| WJC 012032          | 2                                         |
| WMLD012000          | 2                                         |
| 41CA012004          | 1                                         |
| 53MU012024          | 1                                         |
| 6GOL012022          | 1                                         |
| ADAM012002          | 1                                         |
| ALTO012002          | 1                                         |
| BLRA012001          | 1                                         |
| CANA012018          | 1                                         |
| CHAS-#1 XFMR        | 1                                         |
| CHCR012002          | 1                                         |
| CITI012012          | 1                                         |
| CITI012032          | 1                                         |
| CLWA012004          | 1                                         |
| CONY012014          | 1                                         |
| COUN012022          | 1                                         |
| DAVI012002          | 1                                         |
| DURH012000          | 1                                         |
| EAST012004          | 1                                         |
| EDUC012002          | 1                                         |
| EFAI012002          | 1                                         |
| EJEC012001          | 1                                         |
| EMAN012004          | 1                                         |
| FARB012006          | 1                                         |
| GODD012006          | 1                                         |
| HAMI012012          | 1                                         |
| HEAR012002          | 1                                         |
| HESS012004          | 1                                         |
| HOOV012036          | 1                                         |
| LEBO012014          | 1                                         |
| LEVE012002          | 1                                         |
| LSPR012000          | 1                                         |
| MARQ012001          | 1                                         |
| MENT012012          | 1                                         |
| MOLI002000          | 1                                         |
| MONT012008          | 1                                         |
| MOON012036          | 1                                         |
| NEWT012002          | 1                                         |
| NORT012004          | 1                                         |
| OSKA012000          | 1                                         |
| SALM012007          | 1                                         |
| SBEN012001          | 1                                         |

| <b>Circuit Name</b> | <b>Retail Electric Customers Affected</b> |
|---------------------|-------------------------------------------|
| SDAL012006          | 1                                         |
| SWLA012016          | 1                                         |
| VAUG012026          | 1                                         |
| VIRG012024          | 1                                         |
| VIRG012026          | 1                                         |
| WABI012012          | 1                                         |
| WEMP012024          | 1                                         |
| ZOOS012012          | 1                                         |

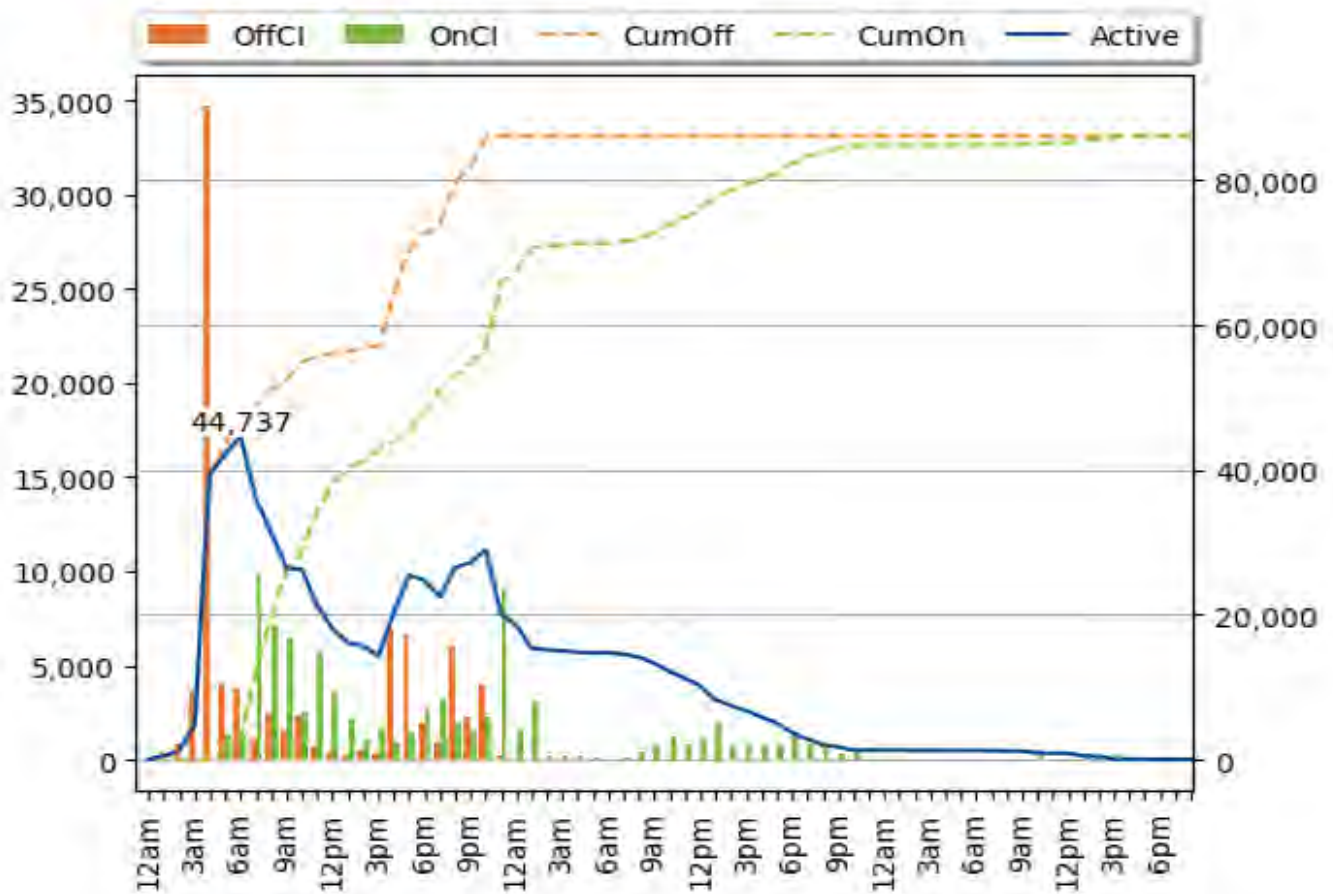
## Root Causes

| Root Cause | Customers Out | Number of Events |
|------------|---------------|------------------|
| Weather    | 79,773        | 1,194            |
| Vegetation | 5,309         | 297              |
| Equipment  | 775           | 52               |
| Unknown    | 93            | 12               |
| Wildlife   | 67            | 16               |
| Planned    | 39            | 4                |
| Public     | 27            | 4                |
| Other      | 8             | 1                |

## Customers Out by Cause and Failed Component Type

| Failed Component         | Equipment  | Other    | Planned   | Public    | Unknown   | Vegetation   | Weather       | Wildlife  | Total         |
|--------------------------|------------|----------|-----------|-----------|-----------|--------------|---------------|-----------|---------------|
| Cable                    | 19         | 0        | 0         | 0         | 0         | 0            | 39            | 0         | 58            |
| Connector                | 10         | 0        | 0         | 0         | 0         | 164          | 451           | 0         | 625           |
| Insulated Transition     | 7          | 0        | 0         | 0         | 0         | 25           | 9             | 0         | 41            |
| Interrupting Device      | 174        | 0        | 0         | 0         | 81        | 2,836        | 9,982         | 67        | 13,140        |
| Lightning/Surge Arrester | 11         | 0        | 0         | 0         | 0         | 0            | 538           | 0         | 549           |
| None                     | 0          | 0        | 4         | 0         | 11        | 395          | 1,712         | 0         | 2,122         |
| Other Equipment          | 1          | 0        | 35        | 6         | 0         | 106          | 51,074        | 0         | 51,222        |
| Structural Support       | 22         | 0        | 0         | 21        | 0         | 42           | 3,593         | 0         | 3,678         |
| Switch                   | 7          | 0        | 0         | 0         | 0         | 153          | 157           | 0         | 317           |
| Transformer              | 48         | 0        | 0         | 0         | 0         | 0            | 1,910         | 0         | 1,958         |
| Wire                     | 476        | 8        | 0         | 0         | 1         | 1,588        | 10,308        | 0         | 12,381        |
| <b>Total</b>             | <b>775</b> | <b>8</b> | <b>39</b> | <b>27</b> | <b>93</b> | <b>5,309</b> | <b>79,773</b> | <b>67</b> | <b>86,091</b> |

## Restoration Over June 17th, 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