

Evergy Kansas Central
March 3rd, 2025 - March 4th, 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 Monday, March 3rd at approximately 5:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Wichita, Hiawatha, Topeka, Haysville, Andover, Emporia, Spring Hill, Lawrence, Lebo, Meriden, Leavenworth, Highland, Waverly, Bonner Springs, Onaga, Manhattan, Westmoreland, Pittsburg, Cherokee, Atchison, Nortonville, Ozawie, Lansing, Hartford and Goessel.

The peak number of customers without power occurred within the 12:00 AM hour of March 3rd and totaled approximately 15,214 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 32,519 customers experienced sustained service interruptions.

Approximately 17,305 interrupted customers had been restored before 12:00 AM on March 5th.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Admire
Andover
Arkansas City
Atchison
Augusta
Belle Plaine
Bendena
Bern
Berryton
Bigelow
Blaine
Blue Rapids
Bonner Springs
Buhler
Burlington
Burrton
Canton
Carbondale
Cedar Point
Cherokee
Circleville
Council Grove
Cummings
Delia
Delphos
Denison
Denton
Derby
Douglass
Duluth
Edwardsville
El Dorado
Elmdale
Emmett
Emporia
Eskridge
Eureka
Everest
Fairview
Fort Scott
Fostoria
Frankfort
Goessel
Gridley
Halstead
Hamilton
Hartford
Harveyville
Haven
Havensville

City or Community Affected
Haysville
Hesston
Hiawatha
Highland
Holton
Hope
Horton
Hoyt
Hutchinson
Independence
Junction City
Lancaster
Lansing
Lawrence
Leavenworth
Lebo
Leona
Leonardville
Louisville
Madison
Manhattan
Marysville
Mclouth
Meriden
Miltonvale
Morganville
Morrill
Neosho Rapids
Newton
Nickerson
North Newton
Nortonville
Olathe
Olivet
Olpe
Olsburg
Onaga
Osage City
Overbrook
Ozawkie
Park City
Parsons
Pauline
Pittsburg
Powhattan
Randolph
Reading
Reserve
Riley
Robinson
Rosalia
Rossville

City or Community Affected
Saint Marys
Salina
Seneca
Severance
Severy
Shawnee Mission
Silver Lake
Soldier
South Hutchinson
Spring Hill
Tecumseh
Tescott
Tonganoxie
Topeka
Towanda
Troy
Valley Center
Valley Falls
Vermillion
Virgil
Vliets
Wakarusa
Wamego
Waterville
Wathena
Waverly
Weir
Westmoreland
Wheaton
Wichita
Winifred
Yoder

Circuits Affected

Circuit Name	Retail Electric Customers Affected
CIRV343130	2,499
HATC012022	1,822
READ012014	1,821
HAYS012006	1,573
ANDO012002	1,470
KING342774	1,390
59TH012004	1,377
ESTR344560	1,329
SPRI012032	1,152
DRIV012014	1,104
COOK012016	1,075
SO10012014	1,051
KING342777	1,039
BAKE012002	884
HALL012024	734
BVUR012014	679
WREN012012	617
LEBO012014	555
JAGG012014	529
HESS012002	464
KING342781	438
CHAR012014	434
RAND012000	411
PARA340438	362
FKFT012002	326
BLRA012001	312
ESTR012036	302
DRIV012024	286
6GOL012002	262
EJEC012001	259
MACA012010	253
NORL012010	206
WREN012014	206
12CL012017	199
LEVE012002	188
QUIN012009	187
SHER012012	170
41CA012003	167
41CA012006	147
TONT012002	141
PARA012012	120
WEBS012006	111
ELPA012004	104
AMEL012044	92
MIDL012012	92
DRAG012012	90
DOYL012001	87
SPRU012022	84
MDOW012002	81
MCLO012014	76
FAIG012006	75

Circuit Name	Retail Electric Customers Affected
RUTA012002	75
OAKH012000	72
SHER012008	71
COUN012022	67
AMEL012046	66
43LO012006	63
MASC012006	62
17FL012006	61
LEBO012012	59
CITI012034	58
EDWV012052	57
14LO012006	56
BENJ012012	55
FOWL012002	55
WILD012002	51
HOPE012000	49
SWLA012016	48
EEUR012026	46
NIKC004002	46
VIRG012024	46
READ012016	45
18PL012002	42
SGAG012024	42
THOR012012	42
NORL012005	40
CECR012006	38
HALS012006	36
FOUR012002	35
HESS012004	35
WALN012012	35
12CL012024	33
DAVI012004	33
6TH 012016	32
CANA012008	32
6TH 012034	31
COLI012001	31
SPRU012016	31
HALL012016	29
ROSS012004	29
SHAW012003	29
EDUC012002	27
PARI012006	27
EDUC012012	24
EMAN012007	24
WARE012004	24
ENEM343461	23
HHSS012002	23
MATT012004	23
HEAR012002	22
LSVL012003	22
TIML012032	22
17FL012010	21

Circuit Name	Retail Electric Customers Affected
LEVE012004	21
SPRU012018	21
6GOL012024	20
WAVE012014	19
BVUR012012	18
HALS012004	18
NORT012010	18
QUIN012004	18
WHAR012014	18
CARN007000	17
EDUC012014	17
FORB012022	17
PITT012010	17
TAYL012004	17
SPRU012012	16
GRNT012022	15
MDOW012006	14
CHIS012024	13
17FL012022	12
INNO012004	12
MOSS012012	12
BONI012006	11
EFAI012002	11
PARA012014	11
WABI012024	11
ADSO012002	10
ARNO012022	10
BLRA012002	10
CECR012012	10
HAYS012004	10
JUNC012006	10
3VAN012004	9
BELL012002	9
CECR012002	9
OLPE012016	9
17TH012076	8
COMO012016	8
COOK012014	8
JAGG012022	8
LSVL012001	8
PAWN012016	8
WEUR012012	8
COTT012014	7
EABI012002	7
EVER012002	7
RIVE012012	7
VIST012004	7
WILD012003	7
3VAN012006	6
CRSL012026	6
CSTV012004	6
DAVI012008	6

Circuit Name	Retail Electric Customers Affected
MIDI012072	6
MORL012016	6
NEWT012002	6
OAKL012004	6
OSKA012000	6
SCRA012001	6
STWN012016	6
UNKNOWN	6
VIST012002	6
CENT012014	5
CRPC012002	5
INDA012004	5
MACA012006	5
MATT012003	5
MSVL012001	5
OSAG012012	5
SHWD012002	5
WALN012024	5
WHAR012002	5
54MR012005	4
CHES012002	4
DELP012002	4
HAMI012012	4
INDA012002	4
LAWH012012	4
MAIZ012012	4
MASC012004	4
MSVL012000	4
OATV012036	4
PECK012002	4
PITT012012	4
QUIN012005	4
SILV012001	4
TESC012001	4
166 012016	3
21ST012016	3
6GOL012026	3
CRFD012002	3
EABI012022	3
FAIR012014	3
FOUR012003	3
FTJU012002	3
INDI012003	3
NEPA013012	3
PENT012012	3
ROSS012003	3
SBEN012001	3
SESK012001	3
WEBB012002	3
27CR012003	2
BENJ012014	2
CECR012014	2

Circuit Name	Retail Electric Customers Affected
CENT012004	2
COND012002	2
CSTV012002	2
DENI012002	2
FLIN012004	2
GATZ012004	2
GYPS012001	2
HOOV012024	2
INDE012004	2
INDE012006	2
INNO012012	2
INTE012004	2
JAGG012012	2
LANJ012000	2
MATT012006	2
MNVL012001	2
MOBI012008	2
MSVL012002	2
PEIL012002	2
RICH012002	2
RIPL012002	2
SGAG012012	2
THOR012014	2
THUN012006	2
VAUG012026	2
VIRG012026	2
WATH-#3 XFMR	2
WATH012026	2
14LO012004	1
17FL012024	1
2PRE012004	1
30PR012014	1
3VAN012002	1
41CA012004	1
43LO012004	1
ARKA012056	1
BONI012002	1
CASS012014	1
CECR012016	1
CITI012032	1
CLRV012042	1
COLI012002	1
CRFD012003	1
DEAR012002	1
ESTR012034	1
FARB012004	1
FLCE012000	1
FMC 012016	1
GALV012012	1
GODD012002	1
GRNT012024	1
HALS012008	1

Circuit Name	Retail Electric Customers Affected
HAYS012002	1
HISL012002	1
HMAY012001	1
INDI012004	1
JUNC012004	1
KSU 012028	1
LEON012004	1
LWAB012000	1
MACA012008	1
MARM012002	1
MDOW012008	1
MOON012014	1
MORL012012	1
NETA012016	1
NORL012012	1
NORT012002	1
OLPE012014	1
PARS013004	1
PITT012004	1
POTW012004	1
RCMD012000	1
SALM012006	1
SGAG012014	1
SKEL012010	1
SMOL012012	1
SPRU012024	1
SUNS012004	1
SWLA012032	1
THUN012002	1
TIMB012002	1
TIML012034	1
TRYR012014	1
VIST012024	1
WAKE012001	1
WASS012002	1

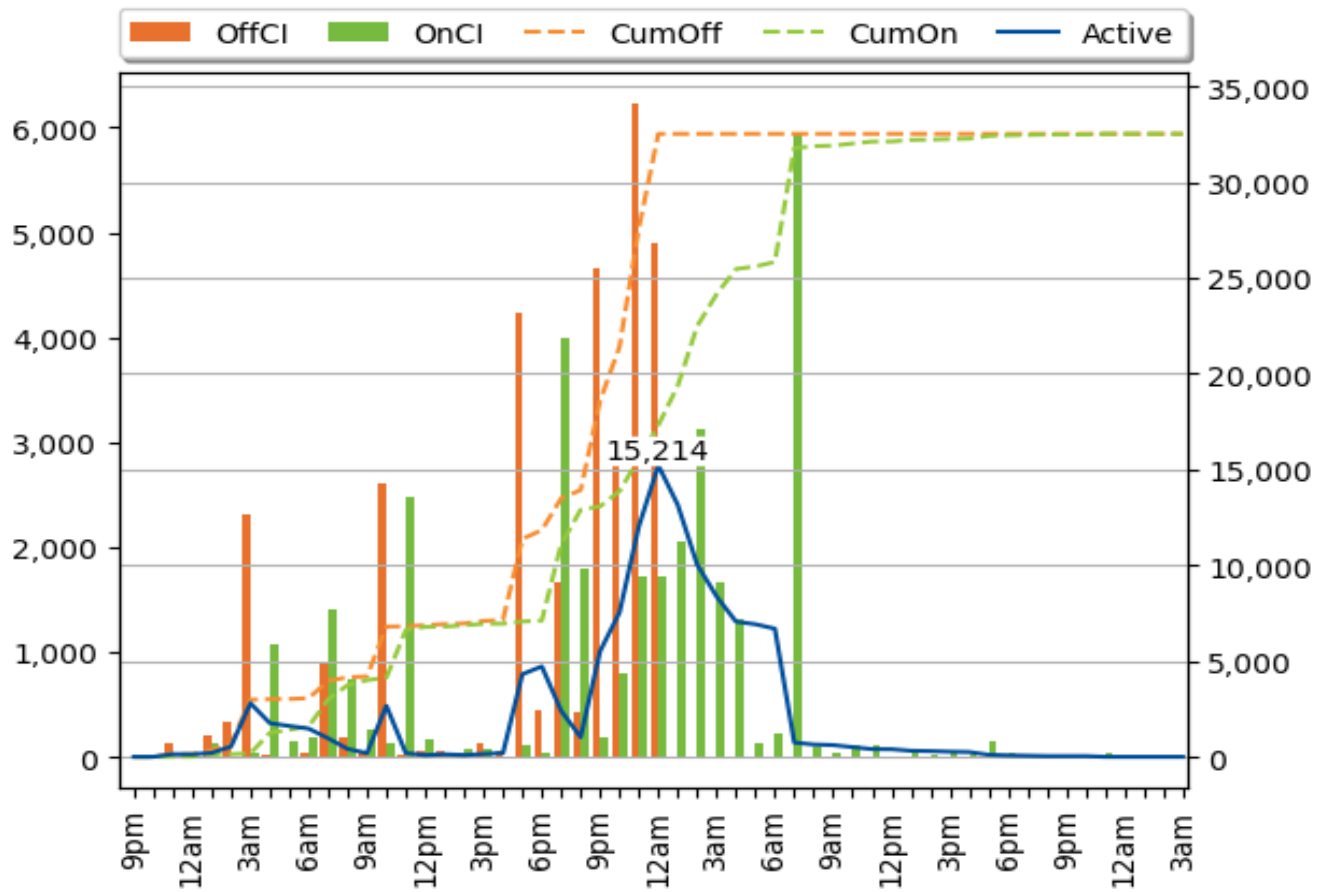
Root Causes

Root Cause	Customers Out	Number of Events
Weather	27,872	298
Equipment	3,124	64
Vegetation	787	62
Unknown	476	13
Planned	146	36
Wildlife	91	6
Power Supply	17	4
Public	5	2
Other	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Power Supply	Public	Unknown	Vegetation	Weather	Wildlife	Total
Connector	22	1	2	0	0	1	13	945	0	984
Control	0	0	0	0	0	0	0	1	0	1
Insulated Transition	51	0	0	0	0	0	0	0	0	51
Interrupting Device	164	0	0	0	0	237	540	8,475	91	9,507
Lightning/Surge Arrester	1	0	0	0	0	0	0	6	0	7
None	3	0	4	17	0	68	11	727	0	830
Other Equipment	1	0	133	0	0	2	1	11,654	0	11,791
Structural Support	1,388	0	7	0	5	158	58	2,506	0	4,122
Switch	1,191	0	0	0	0	1	0	1,615	0	2,807
Transformer	38	0	0	0	0	0	1	7	0	46
Wire	265	0	0	0	0	9	163	1,936	0	2,373
Total	3,124	1	146	17	5	476	787	27,872	91	32,519

March 3rd, 2025 - March 4th, 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