

Evergy Kansas Central
March 4th, 2025 - March 5th, 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, March 4th at approximately 9:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Lawrence, Olathe, Emporia, Wichita, Topeka, Hiawatha, Bonner Springs, Arkansas City, Haysville, Andover, Leavenworth, Spring Hill, Meriden, Manhattan, Tonganoxie, Basehor, Highland, Onaga, Pittsburg, Lansing, Westmoreland and Atchison.

The peak number of customers without power occurred within the 3:00 AM hour of March 4th and totaled approximately 24,250 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 51,711 customers experienced sustained service interruptions.

Approximately 51,673 interrupted customers had been restored before 12:00 AM on March 6th.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Americus
Andover
Arcadia
Arkansas City
Atchison
Atlanta
Augusta
Baldwin City
Basehor
Belle Plaine
Bendena
Bern
Berryton
Bigelow
Blaine
Blue Rapids
Bonner Springs
Buhler
Burlingame
Burrton
Canton
Carbondale
Cheney
Cherokee
Circleville
Clearwater
Coffeyville
Colony
Council Grove
Cummings
De Soto
Delia
Delphos
Denison
Denton
Derby
Douglass
Duluth
Easton
Edwardsville
El Dorado
Elsmore
Emmett
Emporia
Eskridge
Eudora
Eureka
Everest
Fairview
Florence

City or Community Affected
Fostoria
Frankfort
Garden Plain
Geuda Springs
Goddard
Goessel
Gridley
Halstead
Hamilton
Harveyville
Haven
Havensville
Haysville
Hesston
Hiawatha
Highland
Holton
Hope
Horton
Hoyt
Hutchinson
Independence
Junction City
Kansas City
La Harpe
Lancaster
Lansing
Latham
Lawrence
Leavenworth
Lenexa
Leon
Leona
Leonardville
Linwood
Louisville
Madison
Maize
Manhattan
Maple Hill
Marysville
Mclouth
Meriden
Miltonvale
Moran
Morganville
Morrill
Mulvane
Newton
Nickerson
Nortonville
Olathe

City or Community Affected
Olsburg
Onaga
Oskaloosa
Overbrook
Ozawkie
Park City
Parsons
Peck
Pittsburg
Potter
Powhattan
Randolph
Reserve
Riley
Robinson
Rose Hill
Rossville
Saint Marys
Salina
Seneca
Severance
Severy
Shawnee
Shawnee Mission
Silver Lake
Soldier
Spring Hill
Tecumseh
Tescott
Tonganoxie
Topeka
Towanda
Troy
Valeda
Valley Center
Valley Falls
Vermillion
Virgil
Vliets
Wakarusa
Walton
Wamego
Waterville
Wathena
Waverly
Weir
Westmoreland
Wheaton
White City
Wichita
Winfield
Winifred

City or Community Affected
Yoder

Circuits Affected

Circuit Name	Retail Electric Customers Affected
PARI012006	3,583
CIRV343130	2,499
166 012016	2,464
TIML012022	2,207
ESTR344450	2,099
HAYS012006	1,574
19TH012022	1,503
ANDO012002	1,470
HALL012024	1,470
KING342774	1,390
59TH012004	1,377
BAKE012002	1,292
TIML012024	1,246
LAWH012024	1,212
SPRI012032	1,171
COOK012016	1,165
DRIV012014	1,104
SO10012014	1,078
KING342777	1,039
HATC012022	911
EDWV012052	892
BVUR012014	670
WREN012012	629
RAND012000	575
JAGG012014	530
BONI012006	465
HESS012002	464
KING342781	438
CHAR012014	437
LEON012004	410
BLRA012001	379
CECR012016	368
FMC 012016	364
PARA340438	362
FKFT012002	326
TONT012002	310
CRVL012002	308
WREN012014	302
DRIV012024	286
6GOL012002	276
MOON012036	268
EJEC012001	259
MAIZ012004	258
MACA012010	253
41CA012003	241
19TH012012	229
NORL012010	209
SCRA012001	204
TIML012034	204
12CL012017	203
MOON012016	203

Circuit Name	Retail Electric Customers Affected
QUIN012009	201
LEVE012002	188
FOUR012003	187
SGAG012012	182
EFAI012004	177
VIST012024	165
17FL012006	151
STWN012016	150
SPRU012022	148
MOON012014	147
NWLE012012	142
CECR012012	140
DAVI012004	132
RIVR012012	122
PARA012012	121
MARM012002	113
AMEL012044	111
WEBS012006	111
FAIG012014	105
DRAG012012	102
INDA012002	100
SPRU012012	99
SPRU012024	96
6GOL012024	94
6TH 012034	93
MIDL012012	92
INNO012004	91
NORT012006	91
HEAR012002	90
12CL012024	87
DOYL012001	87
ESTR012036	86
19TH012014	85
INTE012036	85
FAIG012006	82
SWLA012034	82
MDOW012002	81
CRSL012026	80
6TH 012036	79
AMEL012046	79
K99 012016	79
MCLO012014	76
OAKH012000	72
COUN012022	70
6TH 012016	68
FABA012012	66
FOUR012002	66
STWN012024	66
43LO012006	65
CRSL012024	62
HALL012016	62
QUIN012004	62

Circuit Name	Retail Electric Customers Affected
HHSS012002	57
14LO012006	56
FOWL012002	55
THOR012016	55
EFAI012002	54
EDUC012012	51
PITT012010	51
SWLA012016	51
WILD012002	51
BEEC012016	49
HOPE012000	49
NIKC004002	49
VIRG012024	47
TIML012032	45
SHAW012003	43
THOR012012	43
SGAG012024	42
NORL012005	41
MOCL012004	39
JAGG012022	38
WAVE012014	38
WALN012012	37
HALL012022	36
HALS012006	36
SPRU012016	35
HESS012004	34
54MR012005	33
CLWA012002	33
CANA012008	32
NORT012002	32
PENT012024	32
COLI012001	31
27CR012005	30
ARNO012022	30
EEUR012026	30
ROSS012004	30
ALTA013002	28
EDUC012002	27
41CA012006	26
ESTR012034	26
WEBB012004	26
PEIL012002	25
SPRU012018	25
54MR012004	24
EMAN012007	24
SHEF023002	24
27CR012003	23
6TH 012024	23
ENEM343461	23
MATT012004	23
LEVE012004	22
LSVL012003	22

Circuit Name	Retail Electric Customers Affected
WABI012024	22
CHIS012024	21
LANJ012000	21
JAGG012012	20
JUNC012006	20
MOCL012006	20
MSVL012002	20
17FL012010	19
GATZ012004	19
WHAR012014	19
BVUR012012	18
NORT012010	18
PENT012022	18
CARN007000	17
EDUC012014	17
COOK012014	16
PARK012014	16
GRNT012022	15
MDOW012006	15
PITT012004	15
6GOL012004	14
CECR012002	14
EUDO012026	14
HALS012004	14
RIVR012014	14
SWLA012032	14
17FL012022	13
LAWH012012	13
MOSS012012	13
ROSS012003	13
RUTA012002	13
30PR012026	12
FORB012022	12
NEWT012002	12
PARA012014	12
QUIN012005	12
SHER012012	12
GREE012004	11
MADI012016	11
SUNS012002	11
2MAD012042	10
BELL012002	10
BLRA012002	10
OSKA012000	10
WALN012024	10
17TH012076	9
19TH012024	9
21ST012016	9
3VAN012004	9
FARB012014	9
JAGG012016	9
LSVL012001	9

Circuit Name	Retail Electric Customers Affected
THOR012014	9
PAWN012016	8
WEUR012012	8
EABI012002	7
EVER012002	7
OAKL012004	7
RIVE012012	7
VIST012004	7
WILD012003	7
3VAN012006	6
BENJ012012	6
CSTV012004	6
DAVI012008	6
MIDI012072	6
MORL012016	6
NEPA013006	6
NWLE012014	6
OSAG012012	6
UNKNOWN	6
17FL012007	5
30PR012024	5
41CA012004	5
CRPC012002	5
INDA012004	5
LAWH012032	5
MACA012006	5
MATT012003	5
MOSS012004	5
MSVL012001	5
SHWD012002	5
WHAR012002	5
6TH 012032	4
95WA012024	4
CHES012002	4
DELP012002	4
FABA012010	4
HAMI012012	4
MAIZ012012	4
MASC012004	4
MSVL012000	4
OATV012036	4
PECK012002	4
PENT012012	4
SGAG012022	4
SGAT012004	4
STWN012012	4
TESC012001	4
BONI012002	3
COLI012002	3
COUN012014	3
DENI012002	3
FAIG012016	3

Circuit Name	Retail Electric Customers Affected
FAIR012014	3
FTJU012002	3
INDI012003	3
NWJC012001	3
QUIN012007	3
SESK012001	3
SILV012001	3
WALG012000	3
3VAN012002	2
4VAN012031	2
ARNO012024	2
BENJ012014	2
CECR012014	2
COND012002	2
CRFD012003	2
ESTR012054	2
FARB012004	2
FLCE012000	2
FORB012024	2
FSTA012024	2
GODD012002	2
GRNT012024	2
GVIL012004	2
HALL012012	2
HOOV012012	2
HOOV012024	2
HUDS012022	2
INDE012006	2
INNO012012	2
INTE012004	2
MATT012006	2
MDOW012008	2
MNVL012001	2
MOBI012008	2
NEWT012004	2
NORL012012	2
OAKL012006	2
PARC012002	2
PARS013004	2
PECK012012	2
PITN012002	2
RICH012002	2
RIPL012002	2
ROSE012062	2
SMOK012002	2
SUNS012004	2
TAYL012004	2
THUN012006	2
TIMB012002	2
VAUG012026	2
VIRG012026	2
WASS012002	2

Circuit Name	Retail Electric Customers Affected
WATH-#3 XFMR	2
WATH012026	2
17FL012024	1
2PRE012004	1
43LO012004	1
53MU012024	1
95WA012014	1
ADSO012002	1
ALTA013004	1
AMER012014	1
ARKA012056	1
ATHE012002	1
BRWK012001	1
CASS012014	1
CENT012012	1
CHCR012012	1
CITI012032	1
CLRV012046	1
CSTV012002	1
DEAR012002	1
ELKC002000	1
EMSV012004	1
ESTR344465	1
FAIG012004	1
FMC 012014	1
FOWL012004	1
FOWL012008	1
FOWL012010	1
GALV012012	1
GVIL012002	1
HALS012008	1
HAYS012002	1
HAYS012004	1
HISL012002	1
HMAY012001	1
INDI012004	1
INTE012002	1
KSU 012028	1
LWAB012000	1
MACA012008	1
MIDI012066	1
MOLI002000	1
MOON012022	1
MOON012024	1
MOON012032	1
MORL012012	1
NETA012016	1
NEWT012008	1
NTYL012014	1
OLPE012014	1
OSAG012002	1
PAWN012012	1

Circuit Name	Retail Electric Customers Affected
PEAB012012	1
POTW012004	1
QUIN012003	1
RCMD012000	1
RIVE012016	1
SALM012006	1
SBEN012001	1
SHAW012002	1
SHEF023004	1
SKEL012010	1
THUN012002	1
TONG012022	1
TRYR012014	1
WAKE012001	1
WARE012008	1
WILD012009	1

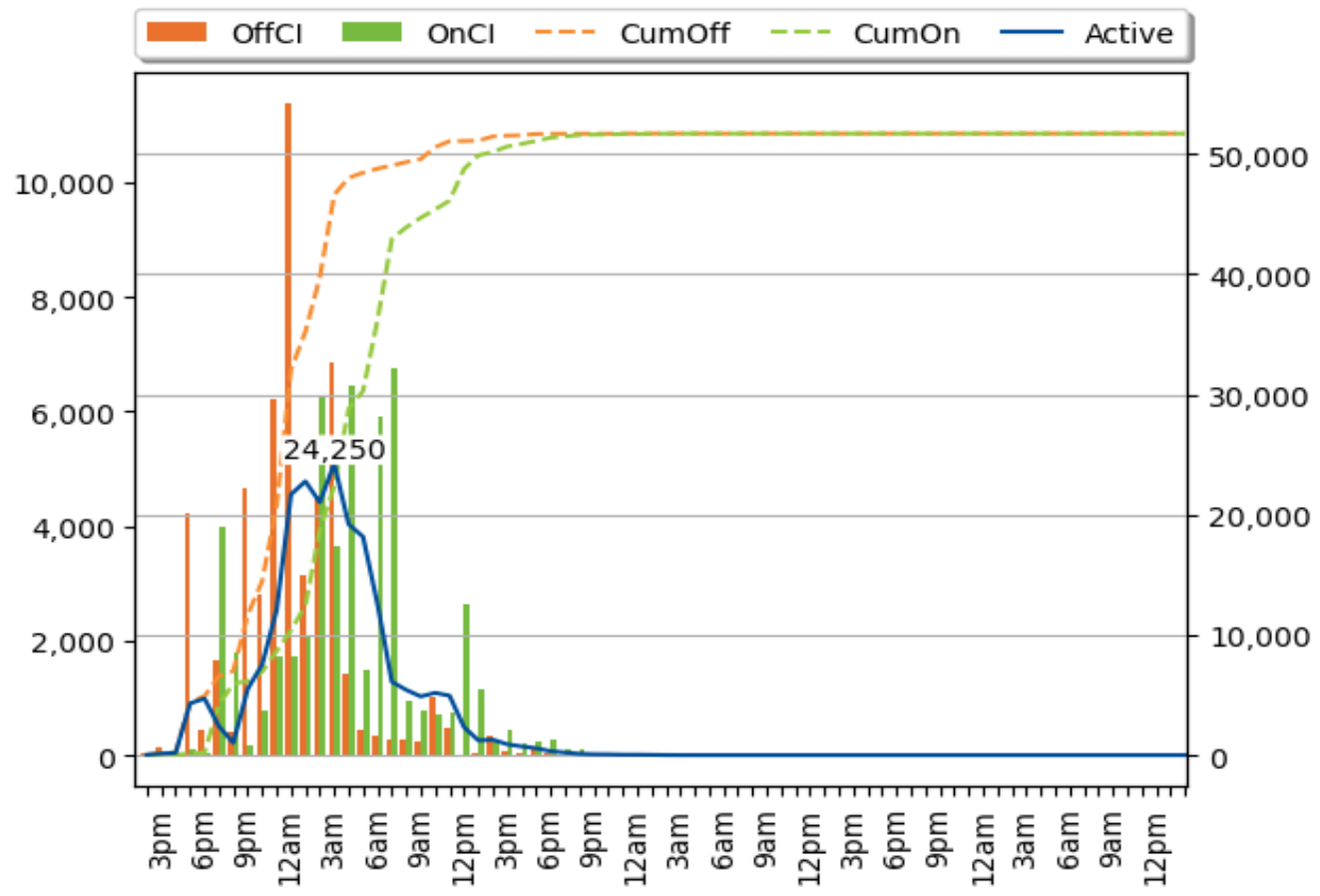
Root Causes

Root Cause	Customers Out	Number of Events
Weather	48,835	646
Vegetation	1,263	105
Equipment	1,152	71
Other	260	3
Unknown	117	9
Wildlife	59	3
Power Supply	17	4
Planned	6	4
Public	2	2

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Power Supply	Public	Unknown	Vegetation	Weather	Wildlife	Total
Cable	0	0	0	0	0	0	0	1,789	0	1,789
Connector	42	2	2	0	0	1	29	986	0	1,062
Control	0	0	0	0	0	0	0	1	0	1
Insulated Transition	15	0	0	0	0	0	0	1	0	16
Interrupting Device	171	0	0	0	0	39	832	12,266	59	13,367
Lightning/Surge Arrester	1	0	0	0	0	0	0	8	0	9
None	3	258	0	17	1	68	39	1,006	0	1,392
Other Equipment	2	0	2	0	0	0	3	18,009	0	18,016
Structural Support	88	0	2	0	1	0	83	5,689	0	5,863
Switch	527	0	0	0	0	0	0	1,630	0	2,157
Transformer	33	0	0	0	0	0	2	8	0	43
Wire	270	0	0	0	0	9	275	7,442	0	7,996
Total	1,152	260	6	17	2	117	1,263	48,835	59	51,711

March 4th, 2025 - March 5th, 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