

Evergy Kansas Central
March 18th, 2025 - March 19th, 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 18th at approximately 7:00 AM, Storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Lawrence, Wichita, Salina, Hutchinson, Sedgwick, Nickerson, Rossville, Silver Lake, Hanover, Abilene, Wamego and Topeka.

The peak number of customers without power occurred within the 4:00 PM hour of March 18th and totaled approximately 5,432 customers. These accumulated interruptions have been classified as a "Significant Event", having over 10,000 retail customers with sustained service interruptions. In total for this event, 19,010 customers experienced sustained service interruptions.

Approximately 18,902 interrupted customers had been restored before 12:00 AM on March 20th.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Alta Vista
Arkansas City
Atchison
Augusta
Belvue
Bennington
Beverly
Bonner Springs
Bremen
Brookville
Buhler
Caney
Canton
Cedar Point
Cherryvale
Clements
Corning
Council Grove
De Soto
Delia
Derby
Douglass
Dwight
Edwardsville
Effingham
El Dorado
Elmdale
Emporia
Fort Scott
Gridley
Gypsum
Halstead
Hanover
Haysville
Herkimer
Hiawatha
Highland
Hope
Hutchinson
Independence
Junction City
Kansas City
Kingman
Lansing
Lawrence
Leavenworth
Leon
Leonardville
Lincoln
Louisville

City or Community Affected
Maize
Manhattan
Maple Hill
Marquette
Marysville
Mayetta
Murdock
New Cambria
Newton
Nickerson
Nortonville
Oakhill
Ogden
Olathe
Olpe
Oswego
Park City
Parkerville
Peck
Pittsburg
Pretty Prairie
Rossville
Roxbury
Saint Marys
Salina
Sedgwick
Shawnee
Silver Lake
Smolan
Sterling
Tescott
Thayer
Tonganoxie
Topeka
Towanda
Troy
Valley Center
Wamego
Westfall
White City
Whiting
Wichita
Willard

Circuits Affected

Circuit Name	Retail Electric Customers Affected
19TH012024	4,233
PAWN012016	1,934
JEFF342592	1,688
3VAN341050	1,429
NSTR012001	1,073
ZOOS012012	918
MAHA012002	889
EDWV012052	614
KNOB342690	611
WABI012024	440
ROSS012004	340
NIKC004004	326
ROSS012002	311
SGAT012022	290
ALVI012012	237
NORL012005	231
CANA012008	207
ROSS012003	199
FTJU012002	189
TESC012001	180
MOBI012010	167
CRFD012004	137
17TH012076	116
KSU 012022	107
MASC012004	105
RAND012000	100
COLI012001	99
EAST012014	98
WARE012004	96
EFAI012004	94
FOWL012004	87
NORT012018	78
43LO012006	75
BVUR012014	52
SWLA012024	49
GYPS012002	48
COTT012014	47
ELDO012002	42
GOFF012004	36
MDOW012002	35
WREN012012	35
18PL012002	33
RIVR012012	32
NEPA013014	31
MOBI012008	30
PITT012006	30
HOPE012000	28
LNVR012001	28
SMOL012012	27
6TH 012034	26
BECR012014	26

Circuit Name	Retail Electric Customers Affected
DAVI012004	26
PECK012012	24
GALE012002	22
MDOW012006	20
INTE012036	19
MENT012014	19
SALM012009	19
WABI012014	18
DAVI012006	17
EABI012024	16
EMSV012006	15
LAWH012032	14
CANA012014	13
STAG012003	13
CHIS012024	12
RUTA012004	12
MAIZ012004	11
WHAR012004	11
SBEN012001	10
53MU012024	9
HAYS012002	9
MOON012024	9
MOSS012012	9
PAWN012024	9
EAST012004	8
FOWL012010	8
HISL012001	8
SPRU012018	8
HUDS012022	7
LAKE012012	7
VIST012004	7
FAIG012004	6
INDI012001	6
MATT012002	6
RIPL012010	6
166 012016	5
17FL012007	5
21ST012004	5
CANT012001	5
EABI012002	5
GREE012002	5
HOOV012024	5
HUDS012004	5
MCKE012002	5
NETA012016	5
SBEN012002	5
SGAG012022	5
WILD012002	5
18PL012008	4
30PR012026	4
HUDS012008	4
INTE012004	4

Circuit Name	Retail Electric Customers Affected
MDOW012008	4
MIDL012012	4
OLPE012014	4
SMOK012006	4
6TH 012036	3
BECR012012	3
CITI012036	3
ELPA012002	3
MARQ012002	3
MASC012006	3
RICH012004	3
TYLE012006	3
VIST012002	3
WJC 012004	3
ZOOS012014	3
21ST012002	2
59TH012002	2
CHAR012012	2
CHCR012002	2
COND012002	2
CRFD012002	2
DAVI012002	2
DAVI012008	2
DEPA012004	2
EDUC012002	2
EFFJ012001	2
FTJU012004	2
GRNT012022	2
HALS012006	2
HMAY012001	2
HOOV012014	2
INNO012012	2
LABE013004	2
LEON012006	2
MAGN012002	2
MCRK012002	2
MONT012004	2
OAKH012000	2
OGDN002001	2
SALM012006	2
SGAG012012	2
SO10012024	2
SPRU012022	2
SPRU012024	2
2MAD012042	1
30PR012024	1
41CA012004	1
6GOL012002	1
ADAM012004	1
ADSO012002	1
ANDO012002	1
ARKA012002	1

Circuit Name	Retail Electric Customers Affected
ARNO012022	1
BERN012002	1
CANA012024	1
CECR012002	1
CHAR012014	1
CHCR012012	1
CLWA012002	1
COLE012024	1
COOK012014	1
CRAW012002	1
CRSL012024	1
CSTV012002	1
DELP012002	1
EFAI012002	1
EMSV012008	1
FLCE012000	1
FOUR012003	1
HALS012004	1
HERI012012	1
HESS012002	1
HYDR012004	1
INDA012004	1
MIDI012066	1
MIDI012076	1
MOLI002000	1
MOSS012002	1
MOSS012004	1
NEPA013012	1
NEWA007000	1
NORL012010	1
OAKL012006	1
OATV012032	1
PARA012012	1
PARI012006	1
PEIL012004	1
PENT012022	1
REED012004	1
SHAN012012	1
SKEL012010	1
SO10012014	1
SUNS012002	1
SWLA012032	1
TESC012002	1
THOR012012	1
WAKE012001	1
WILD012003	1
WILD012009	1
ZOOS012016	1

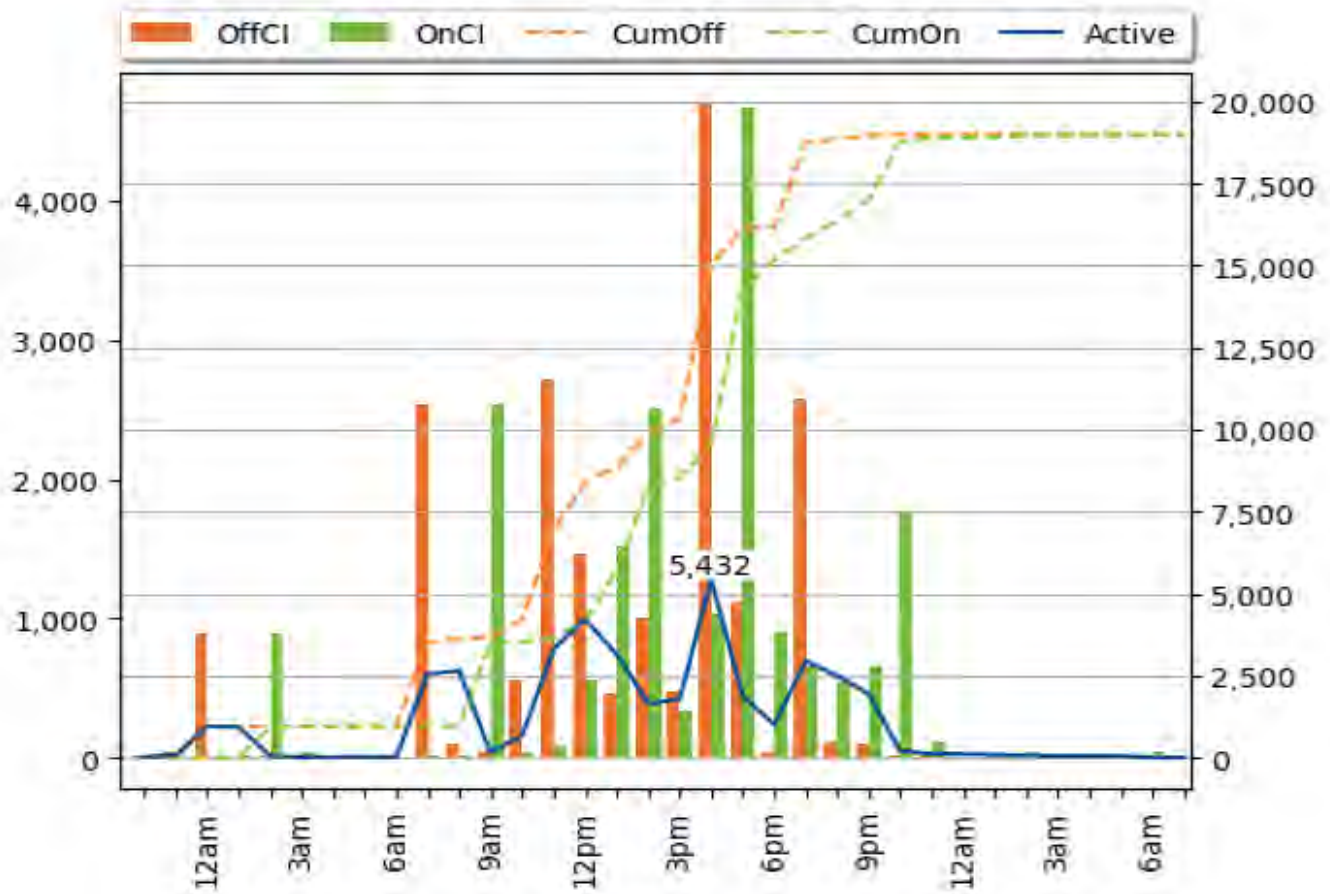
Root Causes

Root Cause	Customers Out	Number of Events
Equipment	10,941	64
Weather	4,626	132
Vegetation	2,486	48
Unknown	865	10
Planned	68	18
None	15	1
Public	8	1
Other	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Public	Unknown	Vegetation	Weather	Total
Cable	4,131	0	0	0	1	0	0	4,132
Connector	2,558	0	0	0	2	15	25	2,600
Control	2	0	0	0	0	0	0	2
Insulated Transition	1	0	0	0	0	0	13	14
Interrupting Device	107	0	0	8	220	365	817	1,517
Lightning/Surge Arrester	0	0	0	0	0	0	137	137
None	2	1	9	0	0	39	50	101
Other Equipment	417	0	55	0	611	1,964	542	3,589
Structural Support	2,061	0	1	0	0	5	1,889	3,956
Switch	1,538	0	0	0	0	0	39	1,577
Transformer	0	0	1	0	0	0	18	19
Wire	124	0	2	0	31	98	1,096	1,351
Total	10,941	1	68	8	865	2,486	4,626	18,995

March 18th, 2025 - March 19th, 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