

Evergy Kansas Central
May 19th, 2025 - May 20th, 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, May 19th at approximately 4:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Wichita, Pittsburg, Lawrence, Olathe, El Dorado, Independence, Topeka, Valley Center, Spring Hill, Benton, Burrton and Coffeyville.

The peak number of customers without power occurred within the 2:00 AM hour of May 19th and totaled approximately 13,636 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 32,421 customers experienced sustained service interruptions.

Approximately 32,207 interrupted customers had been restored before 12:00 AM on May 21st.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Admire
Alma
Andover
Arcadia
Arkansas City
Arma
Atchison
Augusta
Baldwin City
Basehor
Bel Aire
Belle Plaine
Belvue
Benton
Berryton
Bonner Springs
Bronson
Burns
Burrton
Caney
Carbondale
Cedar Point
Chapman
Cheney
Cherokee
Cherryvale
Coffeyville
Colony
Council Grove
De Soto
Dearing
Delphos
Derby
Easton
Edwardsville
Effingham
El Dorado
Emmett
Emporia
Eudora
Eureka
Florence
Fort Scott
Frontenac
Garden Plain
Goddard
Grantville
Gridley
Halstead
Hamilton

City or Community Affected
Haven
Haysville
Hesston
Hillsboro
Hope
Hutchinson
Independence
Junction City
Kechi
Kincaid
Lansing
Lawrence
Leavenworth
Lebo
Lenexa
Leon
Lone Elm
Louisville
Madison
Manhattan
Marquette
Mayetta
Mccune
Mcperson
Meriden
Moran
Mount Hope
Murdock
Newton
Olathe
Olpe
Opolis
Oswego
Overbrook
Park City
Parsons
Peck
Pittsburg
Pretty Prairie
Reserve
Rosalia
Scranton
Sedgwick
Silver Lake
South Hutchinson
Spring Hill
Tecumseh
Tonganoxie
Topeka
Towanda
Tyro
Uniontown

City or Community Affected
Valeda
Valley Center
Wakefield
Wamego
Waverly
Wichita
Yates Center
Yoder

Circuits Affected

Circuit Name	Retail Electric Customers Affected
PITT012004	1,835
19TH012012	1,496
MACA012010	1,378
ADA 012002	1,363
HUDS012008	1,363
INDE012006	1,073
DEAR012002	911
GRNT012002	896
RUTA012006	852
SPRI012026	805
DEPA012004	793
THUN012002	746
JEFF342592	676
WHAR012002	675
WREN012012	675
MOON012014	645
CRAW012002	595
BONI012006	453
WEST012026	433
OAKL012004	432
MOON012022	393
SKEL012010	362
FOWL012010	323
SPRU012022	319
PAWN012012	300
MOON012036	287
HUDS012004	263
FLCE012000	257
CANA012006	226
CANA012008	224
29GA012003	222
STWN012024	215
SENE012002	214
EAST012014	210
PARC012002	203
CSTV012002	200
PITT012012	195
OSAG012012	172
MOSS012012	155
EDWV012052	154
INTE012016	154
TIML012014	154
RUTA012004	151
21ST012016	150
PAWN012024	150
CANA012014	143
SDAL012002	139
14LO012004	138
NORT012006	138
RUTA012002	137
OSAG012002	132

Circuit Name	Retail Electric Customers Affected
THUN012006	129
CANA012016	122
FOWL012004	122
NEPA013006	120
CANA012028	117
CHIS012022	117
NEPA013012	117
PARS013004	117
HALL012024	113
MACA012008	111
SILV012001	109
29GA012004	108
MASC012006	108
PAWN012016	107
PARS013006	104
EUDO012026	102
MASC012004	102
SGAG012012	96
SHER012008	95
TIML012022	94
29GA012002	93
EABI012022	93
SPRU012024	93
INNO012004	90
PAWN012022	88
SUNS012002	87
UPLD012001	86
INDE012004	85
HYDR012004	81
AMEL012046	79
HOOV012024	78
59TH012004	77
SENE012016	77
WASS012002	75
MDOW012006	73
VAUG012026	71
4VAN012030	70
CHES012002	70
GODD012002	65
MULB023004	65
RIPL012002	65
RIVE012014	64
FOWL012002	63
HOOV012022	63
WALN012026	63
DAVI012002	62
MCKE012002	60
STEA012006	59
EDUC012002	58
SKEL012002	58
TYLE012004	58
SHER012022	57

Circuit Name	Retail Electric Customers Affected
MIDJ012022	56
SGAG012024	56
6TH 012036	55
12CL012024	53
MONT012002	52
ELPA012006	50
BEEC012004	49
OSAG012016	49
ANDO012012	48
CANA012024	48
INTE012036	48
MDOW012002	48
166 012016	47
41CA012005	47
VIST012002	46
MOON012032	45
SWLA012016	45
PEAB012012	44
ADA 012004	43
MOSS012004	43
WILD012005	43
MOBI012008	42
MOSS012002	42
EAST012012	41
WGAT012022	41
FOUR012003	40
WEAV012004	40
CRAW012004	38
PARA012012	36
BAKE012002	35
MARQ012002	35
WJC 012006	35
19TH012014	34
ZOOS012014	34
21ST012002	33
THOR012016	33
WILD012009	33
REED012006	32
ORDN012002	31
6GOL012002	30
CENT012002	30
MINN012024	30
MACA012006	29
PITT012006	29
27CR012003	28
ALTA013002	28
HYDR012002	27
DAVI012004	26
COLE012002	25
PITN012002	25
11HL012008	24
GATZ012008	24

Circuit Name	Retail Electric Customers Affected
INDE012002	23
JUNC012004	22
COOK012016	21
MARM012002	20
NORL012012	20
STWN012016	20
17TH012076	19
NWJC012001	19
SHWD012002	19
MADI012014	18
EAST012032	17
EAST012034	17
ELDO012004	17
MOON012016	17
NEPA013010	17
PARK012014	17
VIST012004	17
6GOL012026	16
17FL012022	15
EAST012006	15
GRNT012022	15
ORCH012004	15
COTT012014	14
COWS012002	14
COWS012026	14
GVIL012004	14
INTE012024	14
MINN012006	14
SDAL012004	14
VIST012024	14
WARE012004	14
30PR012024	13
6TH 012016	13
ALMA012001	13
CENT012016	13
COUN012022	13
GALE012002	13
HOOV012012	13
54MR012004	12
BELA012006	12
COLI012002	12
HESS012002	12
ZOOS012016	12
ELDO012002	11
FOWL012008	11
NTYL012022	11
SENE012012	11
SGAG012022	11
VAUG012024	11
COND012002	10
FORT012012	10
HOOV012014	10

Circuit Name	Retail Electric Customers Affected
HOPE012000	10
HUDS012024	10
HUDS012026	10
READ012016	10
CANA012026	9
DAVI012008	9
SHER012004	9
41CA012006	8
ANDO012002	8
COMO012016	8
MONT012008	8
NEPA013004	8
NWLE012012	8
SHER012010	8
WHAR012014	8
95WA012026	7
BELA012002	7
DEPA012002	7
MONT012004	7
PECK012002	7
QUIN012003	7
SUNS012004	7
TYLE012002	7
3VAN012006	6
ANDO012014	6
CRPC012002	6
CSTV012004	6
EEUR012024	6
HUDS012022	6
LABE013002	6
MIDI012076	6
RIVE012016	6
SPRU012012	6
TEET012016	6
17FL012006	5
17FL012010	5
FOUR012002	5
SGAG012014	5
SKEL012020	5
SWLA012024	5
1518012002	4
17FL012024	4
30PR012026	4
54MR012003	4
6GOL012022	4
ANDO012004	4
ARKA012002	4
FORT012014	4
HOOV012032	4
LEGH012002	4
RIPL012012	4
STWN012012	4

Circuit Name	Retail Electric Customers Affected
WALN012024	4
17TH012062	3
30PR012014	3
43LO012006	3
BALD012036	3
BEAR012016	3
BEEC012018	3
BELL012002	3
CHCR012012	3
DELP012002	3
EJEC012001	3
EUDO012028	3
EULA012002	3
FAIG012012	3
HEAR012002	3
HOOV012034	3
LWAB012000	3
MIDI012066	3
SO10012024	3
SPRI012032	3
VIRG012026	3
21ST012004	2
27CR012004	2
64TH012052	2
BETO012012	2
CECR012012	2
CHAP342380	2
CLRV012042	2
COUN012014	2
EFFJ012001	2
FARB012006	2
GVIL012002	2
HALL012016	2
HALS012006	2
HAYS012006	2
HHSS012002	2
LEON012006	2
MAHA012002	2
MAHA012004	2
MCPC002001	2
MIDI012072	2
NTYL012012	2
NTYL012024	2
OATV012036	2
OATV012042	2
PARI012008	2
REED012002	2
RIPL012010	2
ROUS012002	2
SBEN012002	2
TIML012024	2
TIML012034	2

Circuit Name	Retail Electric Customers Affected
WAVE012014	2
27CR012005	1
29TH012014	1
3VAN012002	1
41CA012004	1
53MU012014	1
ALVI012012	1
BEAR012014	1
BELV012012	1
BRON002BUS	1
CITI012034	1
CRFD012003	1
CRSL012026	1
DENI012002	1
EABI012024	1
ESTR012052	1
FAIG012004	1
FAIG012016	1
FORB012024	1
GATZ012004	1
GATZ012006	1
GREE012002	1
HALS012004	1
HALS012008	1
HISL012002	1
INMA012002	1
JAGG012022	1
K99 012016	1
LANJ012000	1
LIBE012001	1
LSPR012000	1
MACA012004	1
MARM012004	1
MATT012002	1
MDOW012008	1
MIDI012062	1
NETA012016	1
NEWT012004	1
NORT012002	1
NTYL012014	1
OAKL012006	1
ORCH012002	1
OSAG012004	1
PDCO012000	1
QUIN012004	1
RAND012000	1
RICH012004	1
ROSS012003	1
SBEN012001	1
SWLA012032	1
TEET012012	1
TIMB012004	1

Circuit Name	Retail Electric Customers Affected
TYLE012008	1
VIRG012024	1
WEBS012006	1
WEUR012012	1
WHAR012012	1
WREN012014	1

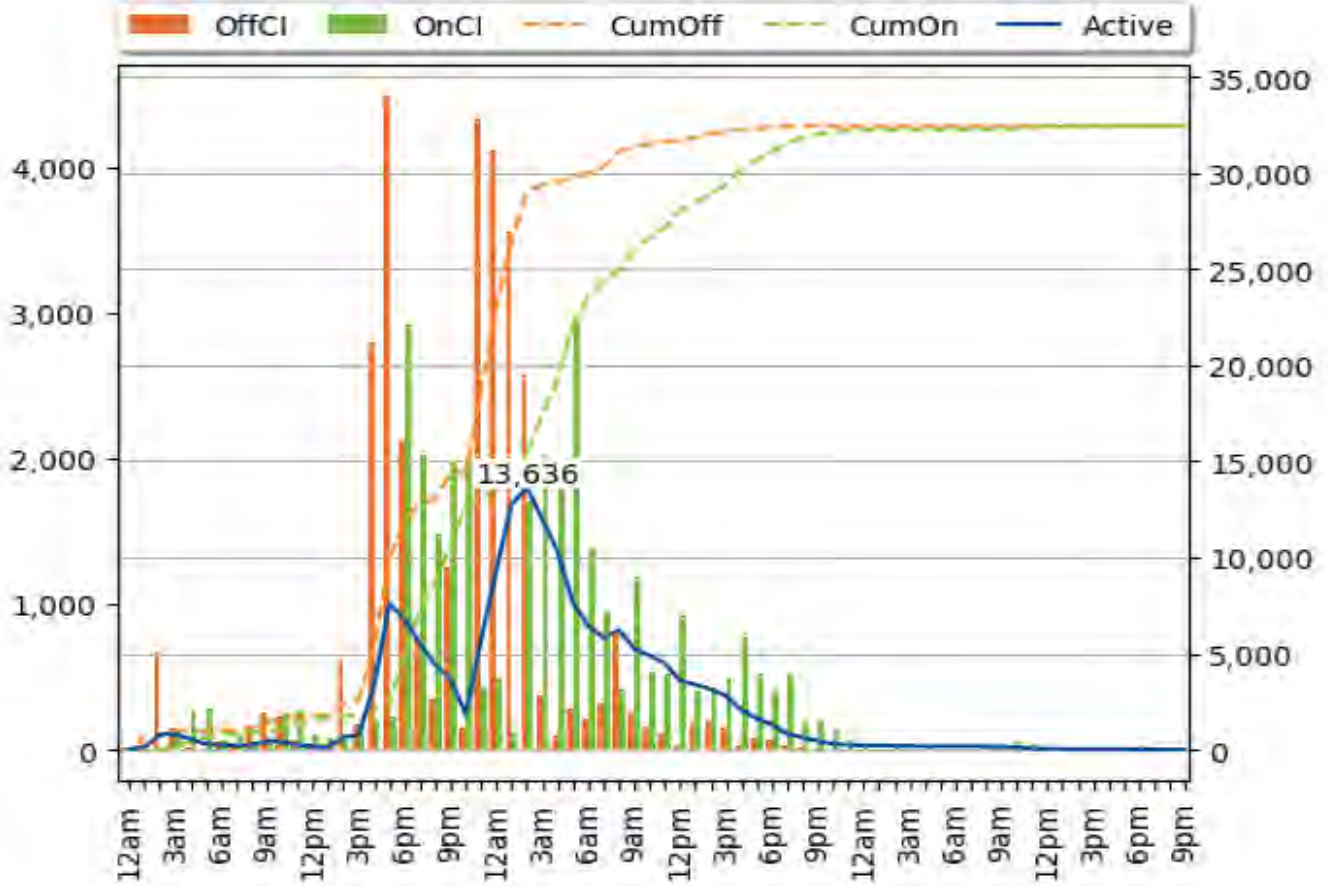
Root Causes

Root Cause	Customers Out	Number of Events
Weather	26,534	574
Vegetation	3,385	221
Equipment	851	78
Unknown	769	20
Wildlife	548	42
Planned	124	7
Other	121	4
Public	89	5

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Public	Unknown	Vegetation	Weather	Wildlife	Total
Cable	15	0	0	0	1	0	0	0	16
Connector	24	0	0	5	0	470	78	1	578
Insulated Transition	156	0	0	0	0	0	2	0	158
Interrupting Device	398	55	0	36	353	1,379	3,840	454	6,515
Lightning/Surge Arrester	9	0	0	0	0	0	46	0	55
None	1	2	3	0	414	394	1,140	1	1,955
Other Equipment	9	64	105	48	0	203	13,766	92	14,287
Structural Support	63	0	8	0	1	106	4,240	0	4,418
Switch	83	0	0	0	0	53	74	0	210
Transformer	45	0	8	0	0	5	44	0	102
Wire	48	0	0	0	0	775	3,304	0	4,127
Total	851	121	124	89	769	3,385	26,534	548	32,421

May 19th, 2025 - May 20th, 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