

Evergy Kansas Central
June 26th, 2024
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 Wednesday, June 26th at approximately 2:00 AM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Topeka, Marysville, Leavenworth, Parsons, Rossville, Silver Lake, De Soto, Hanover, Frankfort, Maple Hill, Wamego, Lake Quivira, Eskridge, and White City.

The peak number of customers without power occurred within the 4:00 AM hour of June 26th and totaled approximately 17,395 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 27,411 customers experienced sustained service interruptions.

Approximately 27,013 interrupted customers had been restored before 12:00 AM on June 27th.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Admire
Allen
Alma
Americus
Arcadia
Atchison
Baileyville
Baldwin City
Belmont
Belvue
Berryton
Bonner Springs
Bremen
Burrton
Carbondale
Cherryvale
Coffeyville
Colony
Cottonwood Falls
De Soto
Dearing
Delia
Dennis
Denton
Effingham
Elsmore
Emmett
Emporia
Eskridge
Eudora
Eureka
Fairview
Fort Scott
Frankfort
Fredonia
Garland
Hanover
Hartford
Harveyville
Hepler
Herkimer
Hiawatha
Highland
Home
Horton
Humboldt
Hutchinson
Independence
Iola
Junction City

City or Community Affected
Kingman
La Harpe
Lake Quivira
Lansing
Lawrence
Leavenworth
Leona
Liberty
Linwood
Louisville
Maize
Manhattan
Maple Hill
Marysville
Mcfarland
Meriden
Moran
Murdock
Neosho Falls
Nortonville
Olathe
Onaga
Oswego
Ozawkie
Park City
Parsons
Paxico
Pittsburg
Powhattan
Rago
Reading
Riley
Rossville
Saint George
Saint Marys
Severance
Shawnee
Shawnee Mission
Silver Lake
Tecumseh
Thayer
Topeka
Troy
Valley Center
Valley Falls
Vermillion
Vliets
Wakarusa
Wamego
Waverly
Weir
Westmoreland

City or Community Affected
Wheaton
White City
Wichita
Willard
Winifred

Circuits Affected

Circuit Name	Retail Electric Customers Affected
SPRU012012	2,697
17FL012022	1,908
PARS013004	1,414
17FL012007	1,313
INDI012001	1,293
INDI012002	1,166
SILV012001	1,044
KEEN012001	823
17FL012006	721
MSVL012001	662
SHWD012002	597
RIVR012012	583
SGAG012012	577
POEX012001	569
MSVL012002	526
WARE012004	496
FKFT012001	490
SHWD012006	469
LSVL012001	468
ROSS012002	461
JEFF342592	459
SESK012001	428
EDWV012054	427
ROSS012003	425
KEEN342900	421
WALG012000	342
ROSS012004	341
MSVL012003	318
LWAB012000	303
WMSV012002	237
EMSV012006	234
EMSV012004	230
HALL012016	225
COOK012014	195
HEAR012002	181
INDI012004	178
EMSV012008	159
FKFT012002	147
FAIR012014	141
QUIN012009	138
FORB012024	134
LAHA012002	132
ONGA012001	130
READ012016	119
SGAG012022	111
CHCR012012	106
EFAI012004	106
HKMR012000	103
INDE012004	100
ALLE012004	92
SGAG012024	91

Circuit Name	Retail Electric Customers Affected
GREE012004	90
CRSL012026	84
SWLA012016	78
29GA012002	77
2MAD012042	72
DEAR012002	71
NORL012010	69
EUDO012026	68
JAGG012012	67
BVUR012014	59
HUND012001	58
ESTR012024	54
SO10012024	54
29GA012005	53
LSVL012003	50
BENJ012012	49
GALE012002	49
CECR012014	46
4VAN012030	43
SWLA012034	40
FOUR012002	39
SPRU012024	38
DRAG012012	36
COTT012014	35
27CR012003	34
PITT012012	34
DOYL012001	32
EDUC012004	32
MATT012006	31
NTYL012012	31
MAIZ012012	30
27CR012004	29
LABE013004	26
17FL012011	25
MEIN012002	25
ALMA012001	24
WHAR012012	24
WMLD012000	24
JUNC012004	22
19TH012022	21
LIN 012002	21
DEPA012004	20
MOON012022	20
17FL012010	19
CSTV012002	19
EJEC012001	18
41CA012004	17
BAKE012002	17
ATHE012002	16
SWLA012024	16
WARE012006	16
WGAT012022	16

Circuit Name	Retail Electric Customers Affected
RAND012000	15
6GOL012022	14
INDE012002	12
JAGG012022	12
LEBO012014	12
NWLE012012	12
GRNT012022	11
WAVE012014	10
COFF012006	9
WALN012012	9
WEMP012036	9
29GA012003	8
ESTR012052	8
HOOV012026	8
AMEL012044	6
CHIS012004	6
MULB023004	6
SCRA012001	6
AMEL012046	5
FROT012026	5
HUDS012022	5
QUIN012008	5
2MAD012046	4
6GOL012026	4
BELV012014	4
CECR012016	4
CHAR012014	4
FAIG012012	4
FAIG012014	4
MAIZ012004	4
MARM012004	4
PENT012012	4
SGAG012014	4
SPRU012022	4
STGE012000	4
CECR012012	3
EABI012022	3
EAST012034	3
EFFJ012001	3
HOOV012024	3
JUNC012001	3
LABE013002	3
NEPA013014	3
NEWA007000	3
REED012006	3
29TH012004	2
AMER012012	2
CHCR012002	2
EDUC012002	2
EEUR012024	2
INDA012004	2
JAGG012014	2

Circuit Name	Retail Electric Customers Affected
LIBE012001	2
NEPA013012	2
NORL012012	2
PARS013006	2
SHAW012003	2
THOR012014	2
WHAR012002	2
17FL012024	1
41CA012006	1
6GOL012002	1
95WA012026	1
ALLE012002	1
ALTA013002	1
ALTA013004	1
ALTO012002	1
BALD012046	1
BECR012012	1
CRAW012002	1
DAVI012004	1
DAVI012006	1
DENI012002	1
DRAG012014	1
ELPA012002	1
FABA012012	1
FOUR012003	1
FOWL012004	1
GODD012006	1
GREE012002	1
HESS012002	1
KNOB342690	1
MATT012004	1
MCKE012002	1
MOCL012006	1
NEPA013004	1
NEPA013006	1
NEPA013010	1
NTYL012022	1
PAWN012024	1
PITT012004	1
PITT012010	1
SHEF023004	1
SHER012012	1
SKEL012010	1
VIST012002	1
WALN012026	1
WARE012008	1
WATC012001	1

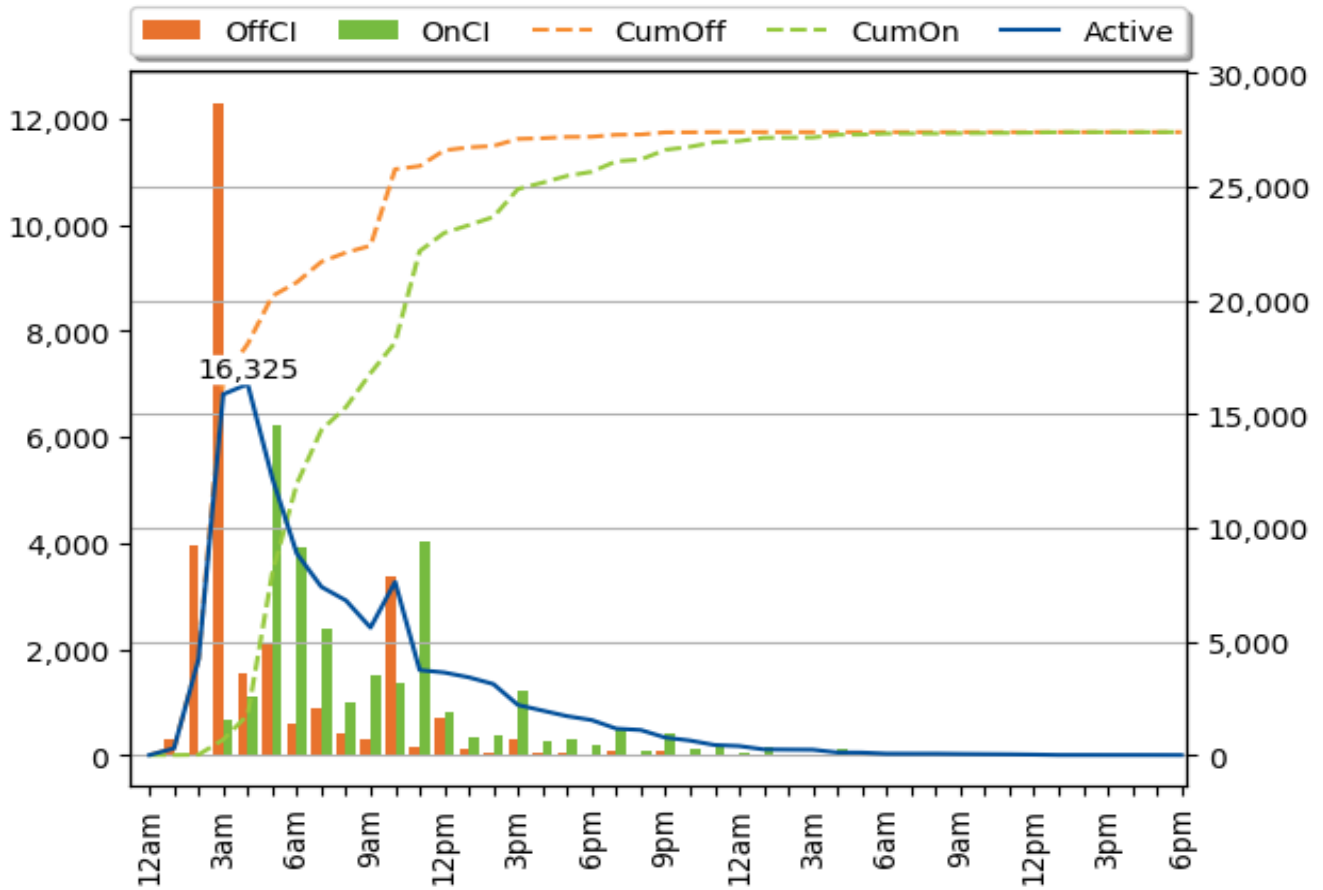
Root Causes

Root Cause	Customers Out	Number of Events
Weather	20,679	282
Vegetation	3,717	153
Wildlife	2,702	4
Equipment	230	29
Planned	41	6
Unknown	37	7
Public	4	2
Other	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Public	Unknown	Vegetation	Weather	Wildlife	Total
	0	0	0	0	0	0	219	0	219
Connector	11	0	0	4	3	20	136	0	174
Insulated Transition	0	0	0	0	0	4	610	0	614
Interrupting Device	111	1	0	0	26	1,159	2,927	6	4,230
Lightning/Surge Arrester	17	0	0	0	0	0	151	0	168
None	0	0	4	0	0	349	1,586	0	1,939
Other Equipment	1	0	32	0	0	411	8,402	2,696	11,542
Structural Support	4	0	1	0	0	193	709	0	907
Switch	35	0	0	0	0	0	1,844	0	1,879
Transformer	1	0	4	0	8	2	266	0	281
Wire	50	0	0	0	0	1,579	3,829	0	5,458
Total	230	1	41	4	37	3,717	20,679	2,702	27,411

Restoration Over June 26th, 2024



All data in the graph depict customer interruptions or CI.
The Bars use the left Y-axis. The Lines use the right Y-axis