

Evergy Kansas Central
May 25th, 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 Saturday, May 25th at approximately 8:00 PM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Wichita, Olathe, De Soto, Shawnee, Lawrence, Valley Center and Arkansas City.

The peak number of customers without power occurred within the 11:00 PM hour of May 25th and totaled approximately 13,035 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 19,215 customers experienced sustained service interruptions.

Approximately 8,845 interrupted customers had been restored before 12:00 AM on May 26th.

Communities & Cities affected during the is event period

City or Community Affected
Abilene
Andover
Arkansas City
Atchison
Baldwin City
Basehor
Belle Plaine
Bern
Berryton
Bonner Springs
Burrton
Clearwater
Council Grove
De Soto
Douglass
Edwardsville
El Dorado
Emporia
Eudora
Eureka
Fort Scott
Gardner
Geuda Springs
Goddard
Halstead
Haysville
Hesston
Hutchinson
Independence
Lake Quivira
Lawrence
Leavenworth
Lenexa
Leon
Linwood
Maize
Manhattan
Marysville
Mayetta
Meriden
Newton
Oketo
Olathe
Overbrook
Park City
Perry
Pittsburg
Salina
Sedgwick
Shawnee
Shawnee Mission

City or Community Affected
Tecumseh
Thayer
Topeka
Valley Center
Wakefield
Waverly
Wichita
Winifred

Circuits Affected

Circuit Name	Retail Electric Customers Affected
PAWN012014	2,140
OAKL012004	1,288
CLRV012046	1,262
RIPL012008	1,167
CENT012012	899
PENT012024	714
GRNT012002	685
MOON012014	636
CLRV012044	426
INNO012004	405
FORT012006	398
EDWV012054	341
ARKA012002	303
TYLE012008	299
CENT012004	281
STWN012016	276
FAIG012004	261
GRNT012022	228
LORR012012	227
FAIG012002	222
COMO012014	219
PENT012012	211
HALS012004	205
ADA 012002	199
RIVE012016	190
TYLE012002	183
PARI012006	179
RIVE012014	176
GODD012002	173
SWLA012032	165
MOON012032	164
21ST012002	152
MACA012008	145
PENT012022	145
PLAZ012008	142
HOOV012012	140
RIVR012012	136
STWN012026	123
59TH012004	120
PITT012010	116
166 012016	103
ADA 012004	102
MOSS012004	99
MOON012022	97
TIML012014	94
CANA012008	93
EDUC012012	93
19TH012022	90
TIML012034	88
MASC012004	80
SENE012002	80

Circuit Name	Retail Electric Customers Affected
29TH012012	76
CANA012014	75
MOON012036	69
SWLA012016	69
RUTA012002	65
21ST012016	61
MIDJ012024	61
FABA012012	59
WEAV012004	59
FOWL012002	58
TIML012022	54
HISL012002	52
EABI012002	51
MOON012016	51
3VAN012004	50
19TH012024	49
ARNO012022	48
MOSS012012	47
JAGG012012	45
MINN012024	45
HMAY012001	43
CHIS012004	42
MAHA012002	42
CANA012016	40
19TH012014	39
RICH012002	37
EDUC012014	35
OATV012004	35
NWLE012012	34
29GA012002	33
17FL012011	32
EUDO012026	32
HOOV012024	32
HAYS012002	31
MAIZ012012	30
HOOV012026	29
MOCL012006	29
CLWA012004	28
NTYL012012	28
LIN 012002	26
LEVE012004	25
21ST012004	24
CHIS012002	21
MASC012006	19
MATT012004	19
PAWN012024	19
DAVI012006	18
RIPL012010	18
WAVE012014	18
CANA012024	16
ARKA012012	15
HYDR012002	15

Circuit Name	Retail Electric Customers Affected
NTYL012022	15
VIST012004	15
WAKE012001	15
INDE012002	14
17TH012076	13
HKMR012000	13
KNOX012002	13
HESS012004	12
NEWT012002	12
EDWV012012	11
SHER012012	11
EAST012012	10
53MU012024	9
CANA012028	9
COUN012012	9
FOWL012004	9
SWLA012026	9
ESTR012052	8
CRFD012003	7
SHER012008	7
SKEL012010	7
2PRE012003	6
BEAR012016	6
CLWA012002	6
FAIG012012	6
HAYS012004	6
MAHA012004	6
CRFD012005	5
FAIG012006	5
GATZ012008	5
MASC012002	5
NEPA013014	5
QUIN012008	5
TIML012032	5
53MU012022	4
FKFT012002	4
MAGN012002	4
MINN012016	4
MOON012024	4
NORT012002	4
WEST012026	4
BELL012002	3
CECR012006	3
EMSV012004	3
HAYS012006	3
THOR012012	3
WREN012012	3
41CA012005	2
95WA012024	2
BERN012001	2
CSTV012002	2
EMSV012006	2

Circuit Name	Retail Electric Customers Affected
FOUR012003	2
HEAR012002	2
KSU 012026	2
MAIZ012004	2
NORL012005	2
SHAW012003	2
SWLA012024	2
14LO012006	1
1518012002	1
166 012014	1
2MAD012046	1
43LO012002	1
43LO012006	1
54MR012005	1
6TH 012034	1
AMER012014	1
ATHE012002	1
COOK012014	1
COOK012016	1
COUN012014	1
DAVI012004	1
DELP012002	1
DRAG012014	1
DRIV012024	1
EAST012034	1
EFAI012002	1
EFAI012004	1
HALL012016	1
HOOV012032	1
HUDS012026	1
LABE013004	1
LSPR012000	1
MATT012002	1
MIDJ012022	1
MOSS012002	1
OSAG012002	1
PARI012008	1
PENT012014	1
QUIN012004	1
SDAL012004	1
SGAT012004	1
TAYL012004	1
VIST012022	1
WEST012016	1
WHAR012014	1

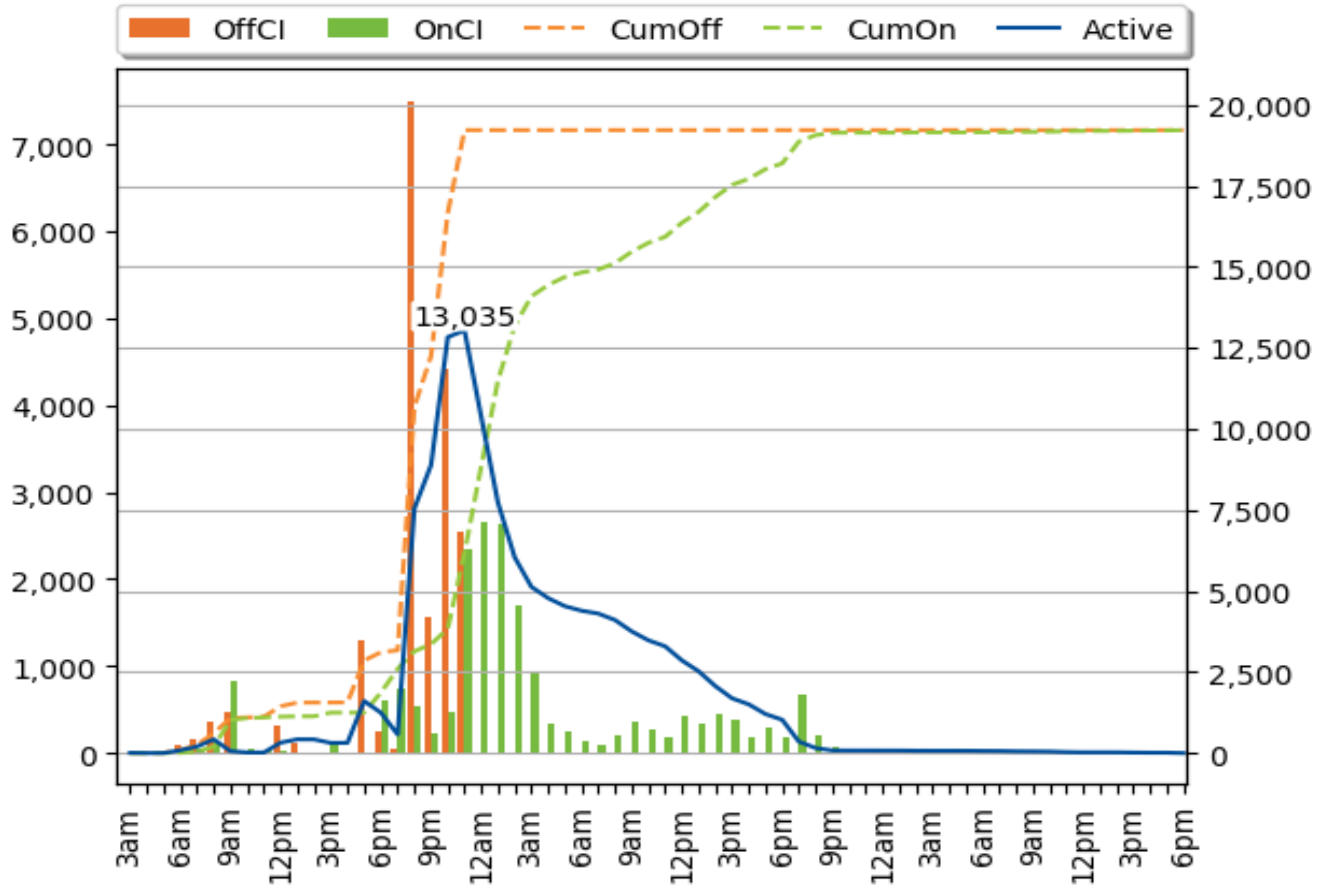
Root Causes

Root Cause	Customers Out	Number of Events
Weather	13,581	245
Vegetation	2,593	82
Equipment	2,384	19
Wildlife	379	25
Unknown	262	13
Public	15	3
Power Supply	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Power Supply	Public	Unknown	Vegetation	Weather	Wildlife	Total
Cable	0	0	0	1	0	65	0	66
Connector	0	0	0	0	5	278	0	283
Insulated Transition	1	0	0	0	0	190	0	191
Interrupting Device	794	1	1	252	1,217	2,847	364	5,476
Lightning/Surge Arrester	0	0	0	0	0	144	0	144
None	1	0	2	0	15	723	15	756
Other Equipment	0	0	0	1	1,154	5,615	0	6,770
Structural Support	288	0	0	0	3	250	0	541
Switch	1	0	0	0	0	92	0	93
Transformer	10	0	0	8	0	17	0	35
Wire	1,289	0	12	0	199	3,360	0	4,860
Total	2,384	1	15	262	2,593	13,581	379	19,215

Restoration Over May 25th, 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