

Evergy Kansas Central
May 19th, 2024 - May 20th, 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 Sunday, May 19th at approximately 7:00 PM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Hutchinson, Newton, Valley Center, Topeka, Lawrence, Wichita, Lenexa, Shawnee, Emporia, Leavenworth, Halstead, Sedgwick, Burrton, Salina, Olathe, Buhler and Nickerson.

The peak number of customers without power occurred within the 10:00 PM hour of May 19th and totaled approximately 39,363 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 66,497 customers experienced sustained service interruptions.

Approximately 60,921 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
Ada
Alma
Altoona
Andale
Andover
Arkansas City
Atchison
Augusta
Baldwin City
Basehor
Bavaria
Bentley
Berryton
Beverly
Blue Rapids
Bonner Springs
Brookville
Buhler
Burden
Burns
Burrton
Caney
Carbondale
Climax
Colwich
Conway
Council Grove
De Soto
Derby
Douglass
El Dorado
Elbing
Emporia
Erie
Eskridge
Eudora
Eureka
Fall River
Florence
Fort Scott
Galesburg
Garden Plain
Grantville
Halstead
Hamilton
Haven
Haysville
Hepler
Hesston
Hiawatha

City or Community Affected
Hillsboro
Howard
Hoyt
Humboldt
Hutchinson
Independence
Industry
Inman
Junction City
Kechi
Kincaid
Lansing
Lawrence
Leavenworth
Lecompton
Lehigh
Lenexa
Lincoln
Linwood
Longford
Madison
Maize
Manchester
Manhattan
Marysville
Mayetta
Mcperson
Meriden
Moundridge
Mount Hope
Mulberry
Neodesha
Newton
Nickerson
North Newton
Olathe
Olpe
Onaga
Overbrook
Park City
Parsons
Partridge
Peabody
Peck
Perry
Piedmont
Pittsburg
Potwin
Pretty Prairie
Redfield
Saint Paul
Salina

City or Community Affected
Scranton
Sedgwick
Severy
Shawnee
Shawnee Mission
Smolan
South Hutchinson
South Mound
Spring Hill
Sterling
Talmage
Tecumseh
Tescott
Thayer
Tonganoxie
Topeka
Towanda
Uniontown
Valley Center
Valley Falls
Virgil
Wakefield
Waverly
Westfall
Whitewater
Wichita
Winfield
Yates Center
Yoder

Circuits Affected

Circuit Name	Retail Electric Customers Affected
3VAN012006	3,830
FMON012004	3,640
NEWT012002	2,754
GRNT012022	2,589
DAVI012004	2,001
ADAM012002	1,913
MOCL012006	1,853
MDOW012006	1,810
DAVI012002	1,594
19TH012022	1,587
GRNT012024	1,568
17FL012011	1,312
MOCL012002	1,288
SPRU012012	1,196
HALS012006	1,158
NEWT012008	1,151
ESTR012036	1,144
2MAD012042	1,107
NEPA013014	1,007
14LO012002	970
MAHA012002	890
NEWT012010	859
DAVI012006	845
SHAW012003	835
COND012002	787
FMC 012016	771
WHAR012002	762
53MU012024	759
GRNT012002	703
DAVI012008	632
11HL012002	561
STWN012026	557
SMOL012012	519
EEUR012026	517
18PL012002	509
GORD012006	494
RUTA012006	487
WHAR012012	485
WHAR012004	462
BONI012006	452
MAHA012004	452
HALS012002	431
NTYL012022	421
WHAR012014	404
EFAI012002	388
ALTO012002	372
FORT012006	361
NIKC004002	353
MDOW012004	349
HALS012004	334
OLPE012014	326

Circuit Name	Retail Electric Customers Affected
NIKC004004	323
SWLA012016	317
INTE012024	312
FOUR012002	304
TONT012002	286
CRPC012002	277
HALS012008	266
WEMP012022	263
166 012016	261
SDAL012002	261
ESTR012024	255
WREN012016	238
WREN012032	238
POTW012004	229
FMON012002	225
HAYS012004	220
2PRE012003	217
TESC012001	217
GVIL012002	213
3VAN012002	186
SMOK012003	178
OSAG012010	166
SGAT012002	164
MOBI012008	163
SWLA012026	157
WEMP012036	153
LAKE012006	149
1518012002	145
GATZ012004	142
SWLA012032	138
MDOW012002	137
TALM012001	137
OLPE012016	133
STWN012016	123
WATC012001	117
ESTR012052	115
RIVR012012	115
2ELM004006	114
SPRU012022	113
2ELM004008	112
LEGH012002	111
NWLE012012	109
ELDO012002	103
NORL012010	103
RIPL012002	101
INNO012004	98
JAGG012012	97
CRFD012003	92
HALL012016	91
3VAN012004	89
MASC012004	89
NORT012006	87

Circuit Name	Retail Electric Customers Affected
ADA 012002	82
CITI012034	81
ALLE012004	79
HEAR012002	78
NORT012018	77
HESS012004	76
MATT012003	76
21ST012002	74
CITI012012	73
EAST012012	73
FAIG012004	73
PARI012006	73
SGAG012024	73
CITI012036	72
MATT012002	71
MIDI012072	71
VIST012024	71
CRFD012001	70
CSTV012002	68
CRFD012004	66
MSVL012001	66
SENE012002	64
2ELM004004	60
LAKE012012	59
CLRV012044	58
WMCP341330	58
SKEL012020	56
FOWL012010	55
FOUR012003	54
19TH012014	53
HISL012003	53
SHWD012002	52
4VAN012035	51
PEAB012012	51
PENT012022	51
11HL012010	50
SHIL012012	50
SMOK012001	50
30PR012014	49
53MU012022	49
VIST012004	49
GATZ012008	48
14LO012006	47
WREN012014	47
FABA012012	46
RIVE012016	44
THUN012006	43
BEEC012016	42
EFAI012004	42
12CL012024	39
COLI012002	38
FOWL012002	37

Circuit Name	Retail Electric Customers Affected
CHIS012002	36
41CA012003	35
GALE012002	35
SHMA004004	35
CENT012002	34
HESS012002	34
14LO012004	33
6GOL012002	33
HHSS012002	33
PEIL012002	33
HYDR012002	32
MATT012006	31
COUN012012	30
ESTR012034	30
LAWH012032	30
PLAZ012008	30
RICH012002	30
THOR012016	29
11HL012008	28
WAVE012014	28
CHIS012004	27
MULB004001	26
SENE012012	26
HUDS012008	25
17FL012022	24
BECR012012	24
PEAB012016	24
21ST012016	22
TIMB012004	22
19TH012012	21
SGAT012004	21
STAG012004	20
19TH012024	17
EDUC012002	17
GATZ012006	17
OSAG012004	17
STEA012006	17
166 012014	16
95WA012026	16
REED012004	16
MOON012022	15
6TH 012016	14
EAST012032	14
HALL012014	14
MCKE012002	14
ONGA012001	14
JUNC012006	13
LWAB012000	13
MCRK012002	13
MOON012036	13
EEUR012022	12
MIDI012066	12

Circuit Name	Retail Electric Customers Affected
MOON012032	12
MOSS012012	12
NEWT012004	12
ORCH012004	12
PENT012012	12
WEST012026	12
54MR012005	11
CECR012014	11
VIST012022	11
WARE012008	11
59TH012004	10
CITI012032	10
MOON012014	10
NSTR012001	10
PAWN012022	10
PITT012006	10
6GOL012026	9
HOOV012022	9
MAIZ012012	9
NORL012005	9
VIRG012012	9
6TH 012014	8
ADA 012004	8
BELA012006	8
CHES012002	8
HAMI012012	8
MASC012006	8
TONG012012	8
UNKNOWN	8
CONY012014	7
SESK012001	7
CRFD012005	6
EDUC012012	6
EDUC012014	6
EMAN012001	6
GORD012002	6
INDE012002	6
LAWH012026	6
RAIN012002	6
SO10012024	6
SPRI012032	6
VIST012002	6
COUN012014	5
FLCE012000	5
JAGG012022	5
JUNC012004	5
K99 012016	5
LORR012012	5
MOON012024	5
PITT012004	5
POTW012008	5
SGAG012022	5

Circuit Name	Retail Electric Customers Affected
SHER012008	5
SPRI012026	5
WEMP012024	5
18PL012008	4
95WA012024	4
BLRA012002	4
EDWV012054	4
INDI012003	4
MIDI012062	4
NEPA013004	4
NTYL012012	4
SPRU012024	4
SUNS012004	4
THOR012014	4
VAUG012026	4
WILD012005	4
BRNG012012	3
ESTR012054	3
FAIG012012	3
MEIN012002	3
OSAG012002	3
SCRA012001	3
SMOK012006	3
TESC012002	3
WABI012014	3
27CR012003	2
6TH 012036	2
BELA012002	2
CANA012016	2
CHAR012012	2
FRLC012004	2
HAYS012006	2
HMAY012001	2
INDI012001	2
MIDL012012	2
OAK 012004	2
PECK012012	2
SGAT012022	2
TAYL012004	2
WALN012012	2
WGAT012022	2
17TH012076	1
18PL012004	1
29TH012012	1
53MU012016	1
54MR012004	1
ATHE012002	1
BEAR012014	1
BERN012001	1
BRWK012001	1
CANA012014	1
CECR012012	1

Circuit Name	Retail Electric Customers Affected
CECR012016	1
CHCR012012	1
COMO012032	1
COMO012034	1
COOK012016	1
CRFD012002	1
DEER012012	1
DRAG012012	1
EJEC012001	1
ELDO012004	1
ELMO012000	1
EUDO012026	1
FAIG012014	1
FKFT012002	1
GREE012002	1
HALL012012	1
HALL012022	1
HARR012002	1
HOOV012012	1
HUDS012004	1
LAKE012014	1
LANJ012000	1
LYDP012000	1
MARM012002	1
MARM012004	1
MCRK012001	1
MENT012012	1
MONT012008	1
MOSS012002	1
NORL012012	1
OATV012004	1
PARC012002	1
PARI012008	1
PAWN012024	1
PENT012014	1
RIPL012012	1
SALM012009	1
SBEN012002	1
SHER012004	1
SKEL012010	1
TIML012024	1
VIRG012026	1
WAVE012024	1
WEBS012002	1

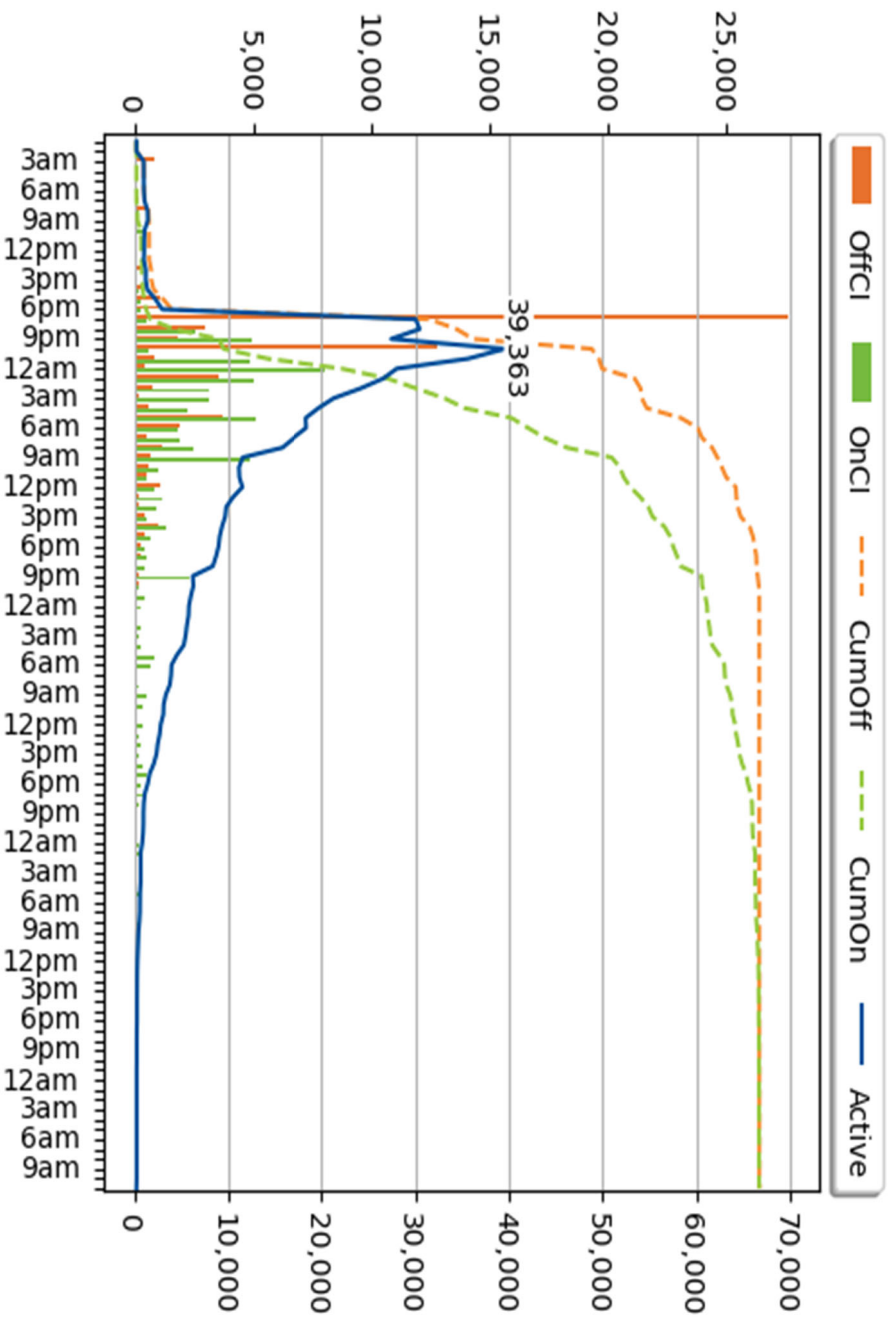
Root Causes

Root Cause	Customers Out	Number of Events
Weather	56,468	525
Vegetation	3,576	195
Public	3,312	8
Equipment	1,877	58
Wildlife	799	28
Unknown	388	18
Other	58	3
Planned	19	6

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	1,034	0	1,034
Cable	5	45	0	0	21	0	100	0	171
Connector	7	0	0	0	0	55	477	42	581
Control	0	0	0	0	0	0	4	0	4
Insulated Transition	138	0	3	0	0	1	1,638	0	1,780
Interrupting Device	365	0	0	1	320	2,385	4,906	353	8,330
Lightning/Surge Arrester	50	0	0	0	0	0	76	0	126
None	5	12	6	0	47	128	458	92	748
Other Equipment	151	0	10	2,000	0	468	38,374	312	41,315
Structural Support	3	0	0	1,310	0	23	4,851	0	6,187
Switch	436	0	0	0	0	0	731	0	1,167
Transformer	6	1	0	1	0	6	41	0	55
Wire	711	0	0	0	0	510	3,778	0	4,999
Total	1,877	58	19	3,312	388	3,576	56,468	799	66,497

May 19th, 2024 - May 20th, 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