

Evergy Kansas Central  
June 28th, 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 Friday, June 28th at approximately 6:00 PM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Junction City, Manhattan, Ogden, and Topeka.

The peak number of customers without power occurred within the 7:00 PM hour of June 28th and totaled approximately 12,912 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 18,163 customers experienced sustained service interruptions.

Approximately 16,743 interrupted customers had been restored before 12:00 AM on June 29th.

## Communities & Cities affected during the is event period

City or Community Affected
Abilene
Admire
Allen
Baldwin City
Belle Plaine
Bendena
Berryton
Buhler
Carbondale
Chapman
Colony
Culver
Delphos
El Dorado
Eudora
Fall River
Frankfort
Gypsum
Halstead
Haven
Haysville
Hiawatha
Hutchinson
Junction City
Lawrence
Leavenworth
Lebo
Leon
Lincolnville
Manhattan
Marion
Milford
Newton
Ogden
Olathe
Olivet
Olsburg
Onaga
Osage City
Oskaloosa
Overbrook
Pittsburg
Reading
Saint Marys
Sedgwick
Tecumseh
Tescott
Tonganoxie
Topeka
Valley Center
Wakefield

City or Community Affected
Waverly
Whiting
Wichita

## Circuits Affected

Circuit Name	Retail Electric Customers Affected
JUNC012006	2,497
JUNC012001	2,181
HISL012002	2,030
NWJC012001	1,501
STAG012004	1,298
WJC 012003	1,107
WJC 012002	941
STAG012003	580
OGDN002001	454
EULA012002	429
FKFT012001	390
HISL012003	293
WJC 012004	288
WREN012014	259
MLFD012001	255
HISL012001	251
SOGD002002	232
SOGD002001	189
SHAW012002	177
SHWD012002	164
SHAW012003	158
27CR012005	150
27CR012003	133
NTYL012012	126
READ012016	120
SKYW012012	120
WEST012016	120
WILD012002	120
19TH012022	99
SWLA012016	91
UPLD012001	85
2MAD012042	84
PLAZ012050	81
BETO012012	78
EABI012022	77
FOUR012003	76
MASC012004	70
41CA012003	64
EUDO012026	57
DRIV012014	55
HAYS012006	51
166 012016	47
WJC 012034	45
THOR012016	39
JUNC012004	30
6TH 012034	27
FRLC012002	25
WAVE012024	18
MATT012002	17
WASS012002	17
MIDJ012024	16

<b>Circuit Name</b>	<b>Retail Electric Customers Affected</b>
READ012014	16
LSPR012000	15
GRNT012002	14
SWLA012034	14
17TH012076	13
FARN012001	13
MAHA012002	13
OATV012004	12
GYPS012002	11
SBEN012001	11
6TH 012036	10
FORB012024	10
MASC012006	10
WILD012009	10
3VAN012002	9
HUDS012022	9
SPRU012012	9
NETA012016	7
WHAR012002	6
BELL012002	5
GRNT012022	5
MACA012006	5
UNKNOWN	5
41CA012004	4
41CA012005	4
CSTV012006	4
DELP012002	4
FOUR012002	4
FTJU012002	4
GATZ012008	4
GREE012004	4
STWN012024	4
17FL012010	3
17FL012022	3
MAHA012004	3
ONGA012001	3
OSKA012000	3
SWLA012032	3
TIML012034	3
27CR012004	2
2MAD012046	2
DAVI012008	2
DOYL012001	2
EFAI012002	2
FOWL012008	2
FTJU012004	2
MAGN012004	2
MATT012006	2
MOON012014	2
WAVE012014	2
WHAR012004	2
WJC 012006	2

<b>Circuit Name</b>	<b>Retail Electric Customers Affected</b>
WMLD012000	2
WREN012012	2
19TH012014	1
3VAN012006	1
6GOL012002	1
95WA012024	1
ADA 012002	1
BELV012014	1
BLRA012002	1
CECR012002	1
DAVI012002	1
EDUC012002	1
EEUR012022	1
EFFJ012001	1
FOWL012010	1
GRNT012024	1
GVIL012002	1
HALS012002	1
HALS012004	1
HOOV012036	1
K99 012014	1
LEON012004	1
LEON012006	1
LYDP012000	1
MARQ012002	1
MCRK012001	1
MIDI012072	1
MOLI002000	1
OSAG012010	1
PENT012012	1
RIVE012016	1
SDAL012004	1
SGAG012012	1
SHWD012006	1

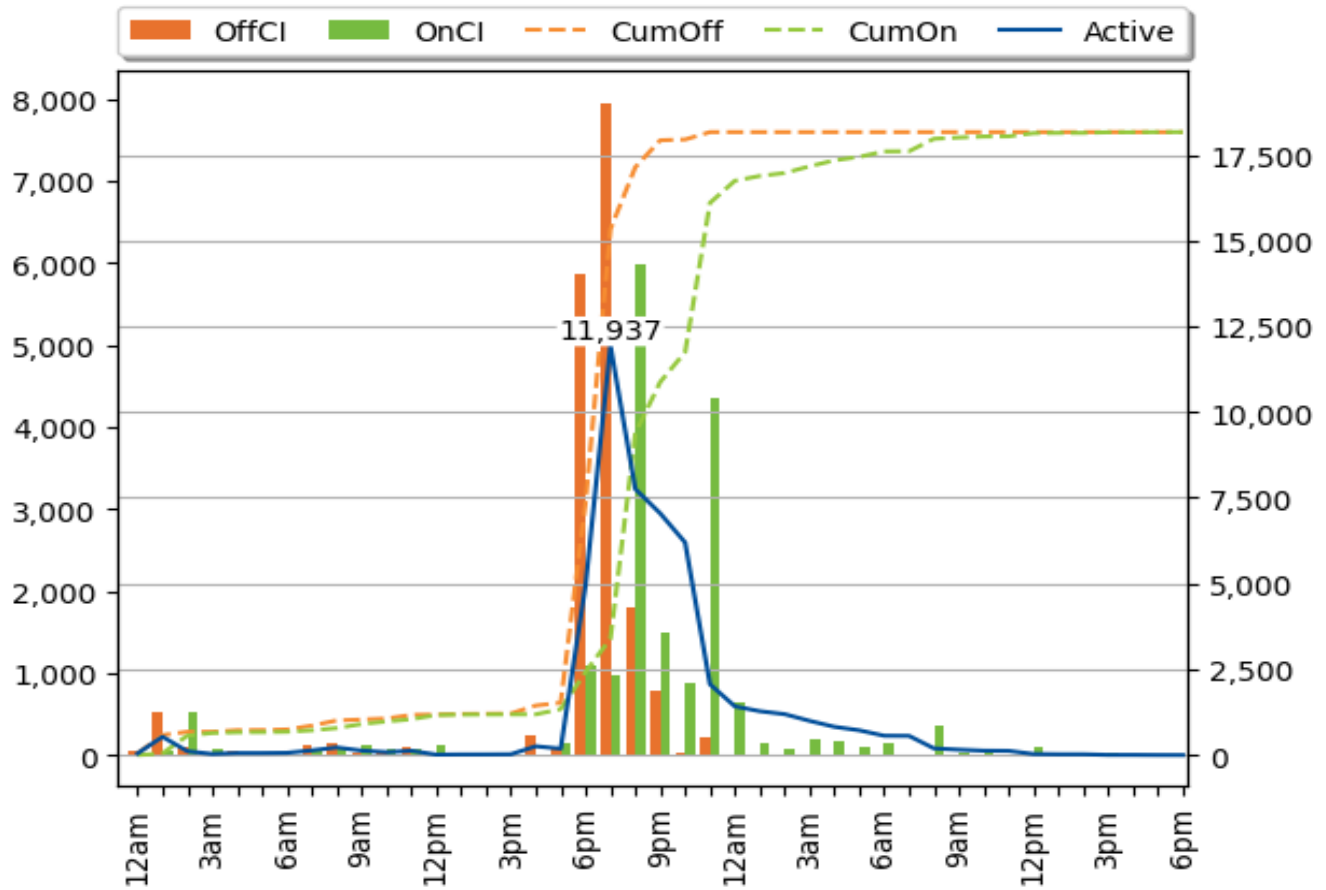
## Root Causes

Root Cause	Customers Out	Number of Events
Weather	14,582	150
Vegetation	2,616	48
Wildlife	388	15
Equipment	383	28
Unknown	142	10
Planned	49	9
Public	2	2
Other	1	1

## Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Public	Unknown	Vegetation	Weather	Wildlife	Total
Cable	139	0	0	0	0	0	41	0	180
Connector	5	0	0	0	5	21	18	0	49
Insulated Transition	2	0	0	0	0	0	0	0	2
Interrupting Device	14	0	0	0	74	575	1,280	388	2,331
Lightning/Surge Arrester	2	0	0	0	0	0	63	0	65
None	2	0	10	1	0	3	133	0	149
Other Equipment	0	1	37	0	20	393	3,228	0	3,679
Structural Support	55	0	1	1	0	0	6,927	0	6,984
Switch	12	0	0	0	11	0	12	0	35
Transformer	54	0	1	0	0	8	10	0	73
Wire	98	0	0	0	32	1,616	2,870	0	4,616
<b>Total</b>	<b>383</b>	<b>1</b>	<b>49</b>	<b>2</b>	<b>142</b>	<b>2,616</b>	<b>14,582</b>	<b>388</b>	<b>18,163</b>

## Restoration Over June 28th, 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