

Evergy Kansas Central
August 13th, 2021
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, August 13th at approximately 12:00 AM, storms in the service area caused numerous interruptions in Evergy Kansas Central. Most of the interruptions occurred in areas surrounding Wichita, Topeka, Lawrence, Shawnee, Lebo and Emporia.

The peak number of customers without power occurred within the 4:00 AM hour of August 13th and totaled approximately 8,606 customers. These accumulated interruptions have been classified as a "Significant Event", having over 10,000 retail customers with sustained service interruptions. In total for this event, 10,968 customers experienced sustained service interruptions.

Approximately 10,928 interrupted customers had been restored before 11:00 PM on August 13th.

Communities & Cities affected during the is event period

City or Community Affected
Admire
Allen
Atchison
Augusta
Baldwin City
Bern
Bonner Springs
Buhler
Burlingame
Burrton
Cherryvale
Conway
Douglass
Effingham
El Dorado
Emporia
Eudora
Eureka
Fall River
Franklin
Gridley
Halstead
Hamilton
Harveyville
Hiawatha
Hutchinson
Independence
Inman
Kechi
Lansing
Lawrence
Le Roy
Leavenworth
Lebo
Lenexa
Leon
Linwood
Madison
Manhattan
Mccune
Mcpherson
Moran
Moundridge
Mulvane
Neodesha
Neosho Rapids
Newton
Olathe
Olpe
Osage City
Oskaloosa

City or Community Affected
Overbrook
Pittsburg
Reading
Saint Marys
Scranton
Seneca
Shawnee
Topeka
Toronto
Udall
Valley Center
Valley Falls
Virgil
Wamego
Waverly
Westmoreland
Wichita
Yates Center

Circuits Affected

Circuit Name	Retail Electric Customers Affected
WASS012002	2,086
PENT012024	1,666
QUIN012003	1,645
READ012014	606
MIDJ012022	402
READ012016	366
SCRA012001	344
19TH012014	342
SWLA012032	321
K99 012016	200
GRNT012024	128
WREN012012	123
19TH012022	121
SWLA012026	118
WEBB012002	115
MOON012016	105
WHAR012012	105
FAIG012004	96
K99 012014	95
GATZ012002	80
EMAN012001	78
WEMP012036	78
SWLA012016	70
64TH012020	65
RICH012002	61
LEON012004	60
INMA012002	58
WMLD012000	54
SGAG012008	53
EDUC012012	52
17FL012002	51
INDE012002	50
FMC 012016	47
THOR012014	46
LAWH012024	43
FAIG012012	42
LAWH012012	41
FAIG012014	39
WEMP012022	37
6TH 012032	34
MOBI012008	32
HALL012022	31
NTYL012012	30
PEIL012004	30
HARR012008	29
30PR012016	28
WAVE012014	28
WHAR012014	25
6TH 012016	24
CRAW012004	24
RCMD012000	24

Circuit Name	Retail Electric Customers Affected
6TH 012032, MIDJ012022	22
MARM012002	22
MULB023004	22
HALS012004	20
6TH 012036	17
AMEL012044	14
EEUR012026	14
MONT012008	14
SPRU012022	14
LEON012002	13
SO10012024	13
TORO012014	13
LYDP012000	12
FRLC012004	11
EDUC012002	10
NTYL012014	10
RUTA012006	10
HAMI012016	9
BRNG012016	8
LSVL012001	8
MOON012022	8
QNCY012004	8
VAUG012024	8
JAGG012012	7
LEON012006	7
VIRG012024	7
ARNO012032	6
BEAR012016	6
LEBO012014	6
MOCL012002	6
STWN012022	6
UDAL012008	6
19TH012012	5
ALTO012002	5
GREE012004	5
MAGN012002	5
MOON012032	5
QNCY012002	5
QUIN012009	5
17FL012007	4
ADAM012002	4
EFFJ012001	4
HUDS012004	4
OLPE012014	4
OSKA012000	4
PARA012012	4
VAFC012022	4
VAUG012026	4
BETO012012	3
CONY012014	3
DOYL012001	3
EFAI012002	3

Circuit Name	Retail Electric Customers Affected
EUDO012026	3
FLIN012004	3
HESS012002	3
MACA012010	3
MOBI012010	3
MOCL012006	3
MOSS012002	3
NWLE012012	3
SHAW012003	3
29GA012002	2
29TH012014	2
54MR012005	2
ARNO012022	2
BRNG012012	2
CHER012002	2
FARB012014	2
HALS012002	2
HALS012008	2
MAPL012012	2
MOON012036	2
PITN012002	2
READ012000	2
TONG012012	2
VIRG012012	2
17TH012014	1
30PR012024	1
6TH 012022	1
ADA 012002	1
ATHE012002	1
BONI012006	1
CANE012002	1
CNTL012001	1
DRIV012014	1
EEUR012022	1
ELKC002000	1
ESTR012034	1
ESTR012036	1
FAIG012006	1
FARB012004	1
FOUR012003	1
FOWL012002	1
HAMI012012	1
HATC012014	1
HMAY012001	1
HUDS012026	1
MADI012016	1
MCLO012012	1
MDOW012004	1
MIDI012024	1
MOON012024	1
MOSS012012	1
NORT012018	1

Circuit Name	Retail Electric Customers Affected
OLPE012016	1
ORCH012004	1
PEAB012012	1
PENT012014	1
POTW012004	1
RICH012004	1
SAFF012000	1
SHEF023004	1
SPRI012032	1
SPRU012018	1
STWN012014	1
THUN012002	1
VIRG012014	1
WALN012026	1
WEMP012024	1

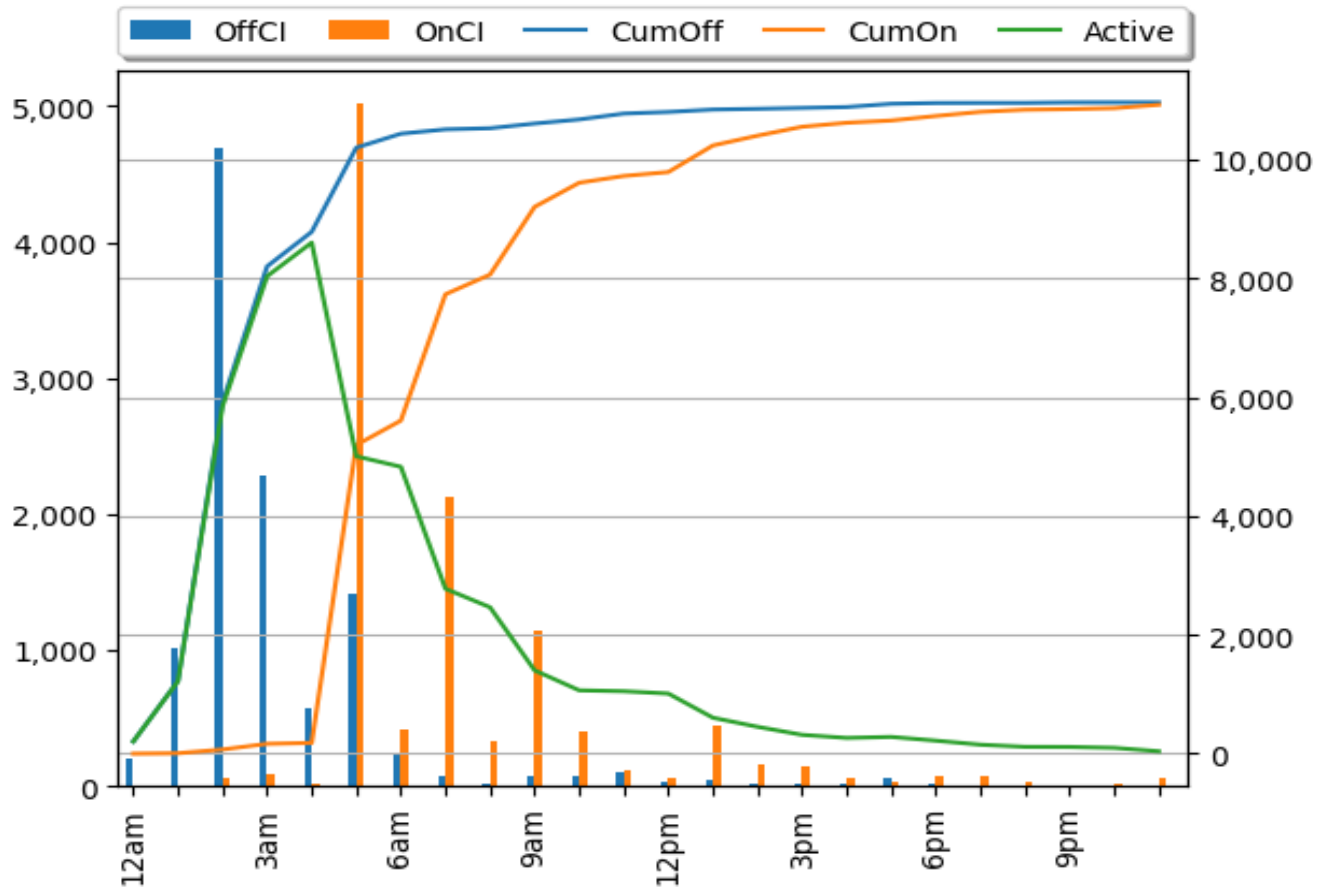
Root Causes

Root Cause	Customers Out	Number of Events
Weather	9,764	311
Vegetation	1,204	36

Customers Out by Cause and Failed Component Type

Failed Component	Vegetation	Weather	Total
Cable	1	35	36
Connector	1	12	13
Insulated Transition	0	3	3
Interrupting Device	103	2,148	2,251
Lightning/Surge Arrester	0	1,677	1,677
None	31	161	192
Other Equipment	971	2,982	3,953
Structural Support	0	436	436
Switch	4	5	9
Transformer	1	63	64
Wire	92	2,242	2,334
Total	1,204	9,764	10,968

Restoration Over August 13th, 2021



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