Evergy Kansas Metro
March 14th, 2025
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, March 14th at approximately 12:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Metro. Most of the interruptions occurred in areas surrounding Shawnee Mission, Linn Valley, Pleasanton, Lacygne, Overland Park, Mound City, Spring Hill, Bucyrus, Hume and Wellsville.

The peak number of customers without power occurred within the 6:00 PM hour of March 14th and totaled approximately 7,375 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 11,080 customers experienced sustained service interruptions.

Approximately 10,314 interrupted customers had been restored before 12:00 AM on March 15th.

Communities & Cities affected during the is event period

City or Community Affected
Baldwin
Baldwin City
Belton
Bucyrus
Cleveland
Edgerton
Eudora
Fairway
Fontana
Fort Scott
Foster
Fulton
Gardner
Hume
Kansas City
La Cygne
Lacygne
Leawood
Lenexa
Linn Valley
Linn Valley Lakes
Louisburg
Mapleton
Merriam
Mission
Mound City
Olathe
Osawatomie
Ottawa
Overland Park
Paola
Pleasanton
Pomona
Prairie Village
Prescott
Rich Hill
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Stanley
Stilwell
Vassar
Wellsville

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0652034103	4,466
0117012031	2,278
0091012053	1,210
0474012001	843
0472012011	369
0115012022	327
0068012052	213
0073012021	174
0073012023	145
0012012083	102
0069012011	76
46101	74
0050012052	69
0038012031	56
0050012014	55
0012012063	51
0478012014	50
0121012013	44
0068012044	42
0128012034	41
0050012071	36
0016013021	35
0115012031	29
0480007012	23
0091012032	19
0050012022	18
0106012034	18
0050012033	16
0073012014	16
0105012021	16
0107012012	16
0012012022	15
0068012021	13
0073012024	13
0091012063	11
0050012081	10
0068012054	10
0068012011	8
0068012012	8
0480012013	7
0099012013	6
0013012033	5
0038012014	4
0065012041	4
0472012021	4
0091012013	3
0091012033	3
0029012042	2
0105012011	2
0106012033	2
0124012002	2

Circuit Name	Retail Electric Customers Affected
0478012011	2
0005012005	1
0020012012	1
0022012042	1
0047012032	1
0047012052	1
0050012011	1
0051012042	1
0068012023	1
0069012041	1
0076012011	1
0091012011	1
0091012014	1
0091012031	1
0117012022	1
0117012033	1
0132012013	1
0473012012	1
0473012013	1
0474012002	1

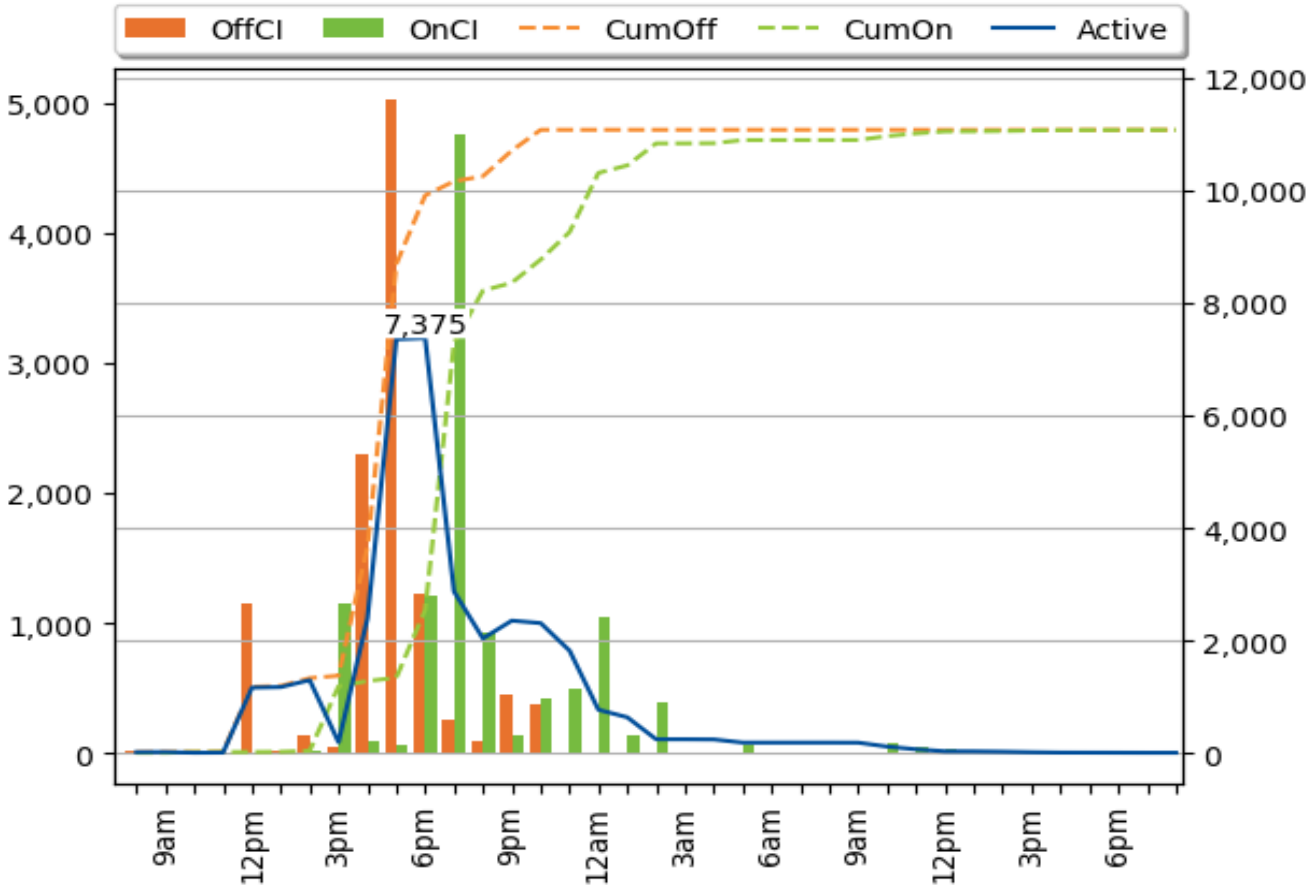
Root Causes

Root Cause	Customers Out	Number of Events
Weather	10,887	78
Vegetation	159	13
Equipment	22	9
Wildlife	9	3
Other	2	2
Planned	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Vegetation	Weather	Wildlife	Total
Connector	4	0	0	1	2	0	7
Interrupting Device	1	0	0	38	4,676	9	4,724
Other Equipment	3	2	1	0	2,584	0	2,590
Structural Support	12	0	0	0	2,672	0	2,684
Transformer	0	0	0	0	1	0	1
Wire	2	0	0	120	952	0	1,074
Total	**22**	**2**	**1**	**159**	**10,887**	**9**	**11,080**

Restoration Over March 14th, 2025



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