

Evergy Kansas Metro
July 17th, 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 Thursday, July 17th at approximately 2:00 AM, storms in the service area caused numerous interruptions in Evergy Kansas Metro. Most of the interruptions occurred in areas surrounding Overland Park, Shawnee, Olathe, Shawnee Mission and Lenexa.

The peak number of customers without power occurred within the 5:00 AM hour of July 17th and totaled approximately 15,664 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 21,980 customers experienced sustained service interruptions.

Approximately 21,979 interrupted customers had been restored before 12:00 AM on July 18th.

Communities & Cities affected during the is event period

City or Community Affected
Bucyrus
Centerville
Edgerton
Fairway
Fontana
Gardner
Greeley
Hillsdale
Lacygne
Lane
Leawood
Lenexa
Merriam
Mission
Mission Hills
Mission Woods
Olathe
Osawatomie
Ottawa
Overland Park
Paola
Parker
Pomona
Prairie Village
Princeton
Quenemo
Rantoul
Shawnee
Shawnee Mission
Spring Hill
Stanley
Stilwell
Vassar
Wellsville
Williamsburg

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0091012014	2,906
0022012012	2,008
0013012021	1,931
0029012042	1,899
0041012023	1,642
0041012021	1,187
0019012044	1,129
0012012012	830
0091012011	780
46101	720
0132012032	651
0068012041	537
0020012012	446
0091012013	359
0091012033	358
0471012013	332
0046012102	278
0091012031	246
0050012022	177
0091012052	168
0125012023	157
0047012011	150
0091012041	147
0047012053	139
0093012063	137
0091012021	131
0478012013	123
0091012032	120
0068012024	118
0050012081	114
0091012012	109
0013012032	105
0069012041	104
0013012033	90
0050012051	89
0091012054	89
0013012022	88
0050012072	88
0068012044	80
0480012021	79
0125012021	78
0012012071	73
0073012024	62
0473012011	55
0050012071	54
0105012012	51
0068012061	50
0068012013	48
0093012042	41
0023013011	39
0029012053	39

Circuit Name	Retail Electric Customers Affected
0091012063	38
0029012021	33
0012012041	32
0124012002	31
0068012012	29
0091012053	29
0013012031	28
0012012054	24
0091012023	23
0124012001	22
0082012041	19
0068012053	18
0091012042	13
0012012053	12
0022012022	12
0012012063	11
0128012033	11
0022012021	10
0068012011	10
0117012033	10
0050012031	9
0066012013	9
0068012021	9
0068012052	9
0047012052	8
0068012063	7
0484012011	7
0503012031	7
0041012012	5
0050012054	5
0080012012	5
0093012024	5
0076012021	4
RSMV012012	4
UNKNOWN	4
0022012041	3
0047012012	3
0091012043	3
0016013021	2
0073012014	2
0073012023	2
0093012023	2
0117012022	2
0117012031	2
0128012034	2
0503012021	2
0050012024	1
0050012033	1
0068012054	1
0068012062	1
0069012011	1
0076012011	1

Circuit Name	Retail Electric Customers Affected
0106012032	1
0472012021	1
0478012014	1
0480012011	1
166 012024	1
RSMV012011	1

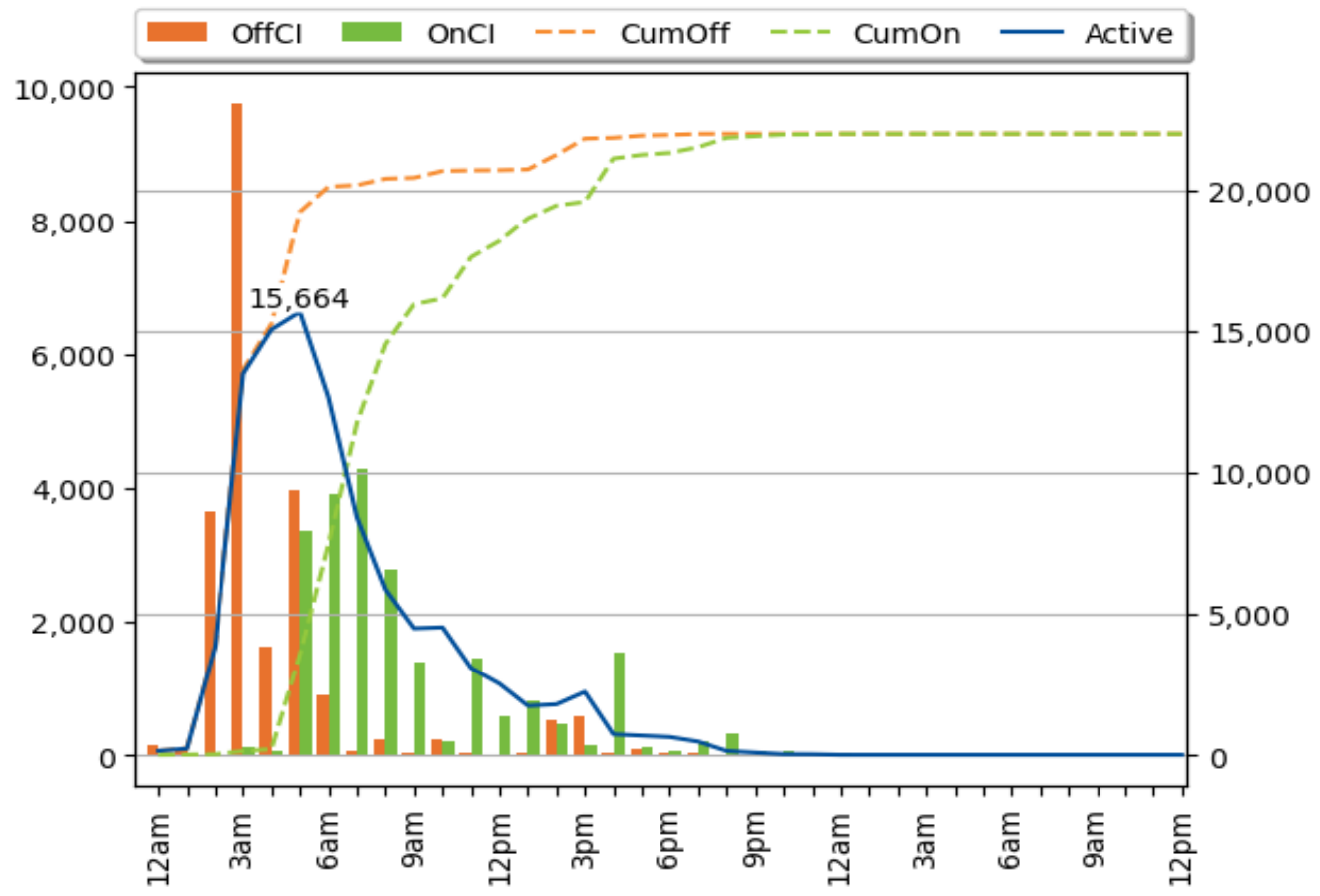
Root Causes

Root Cause	Customers Out	Number of Events
Weather	12,126	173
Vegetation	7,535	53
Unknown	1,075	2
Other	638	5
Equipment	585	13
Planned	15	1
Wildlife	6	4

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Unknown	Vegetation	Weather	Wildlife	Total
Cable	498	0	0	0	0	70	0	568
Connector	1	0	0	0	2	157	0	160
Interrupting Device	0	0	0	1,070	307	1,178	4	2,559
Lightning/Surge Arrester	0	0	0	0	0	29	0	29
None	1	11	15	5	0	8	0	40
Other Equipment	76	627	0	0	296	3,211	0	4,210
Structural Support	5	0	0	0	0	3,227	0	3,232
Transformer	4	0	0	0	0	52	0	56
Wire	0	0	0	0	6,930	4,194	2	11,126
Total	585	638	15	1,075	7,535	12,126	6	21,980

Restoration Over July 17th, 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