

Evergy Kansas Metro
March 4th, 2025 - March 5th, 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 Tuesday, March 4th at approximately 11:00 PM, Storms in the service area caused numerous interruptions in Evergy Kansas Metro. Most of the interruptions occurred in areas surrounding Overland Park, Shawnee Mission, Olathe, Leawood, Paola, Shawnee and Stanley.

The peak number of customers without power occurred within the 3:00 AM hour of March 4th and totaled approximately 11,538 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 15,114 customers experienced sustained service interruptions.

Approximately 14,996 interrupted customers had been restored before 12:00 AM on March 6th.

Communities & Cities affected during the is event period

City or Community Affected
Baldwin
Baldwin City
Bucyrus
Centerville
Edgerton
Eudora
Fairway
Fontana
Gardner
Garnett
Hillsdale
Kansas City
Lacygne
Lake Quivira
Leawood
Lenexa
Louisburg
Lyndon
Mapleton
Melvern
Merriam
Mission
Mound City
Olathe
Osawatomie
Ottawa
Overland Park
Paola
Parker
Pleasanton
Pomona
Prairie Village
Princeton
Rantoul
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Stanley
Stilwell
Vassar
Welda
Wellsville
Williamsburg

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0038012023	2,089
0041012034	1,293
0012012033	980
0050012013	945
0022012011	784
0050012073	720
0041012011	589
0479012011	536
0482012022	515
0050012034	449
0073012013	441
0106012031	399
0471012013	319
0050012081	299
0480012021	260
0047012013	251
0013012021	238
0041012023	236
0012012063	202
0128012034	183
0068012043	139
0093012024	130
0091012014	129
0117012031	121
0013012032	120
0091012031	118
0050012042	116
0068012044	115
0091012061	107
0068012054	106
0012012012	103
0093012063	94
0050012063	91
0478012014	91
0484012011	85
0068012052	83
0121012011	83
0068012012	82
0041012052	74
0091012032	70
0050012071	69
0073012024	58
0050012033	56
0121012012	55
0022012021	54
0029012064	53
0497012021	53
0068012013	52
0121012013	47
0013012031	43
0132012013	43

Circuit Name	Retail Electric Customers Affected
0050012041	42
0050012062	39
0068012011	37
0073012023	36
0473012012	35
0069012011	33
0012012053	32
0047012053	28
0020012012	26
0031013014	26
0472012011	24
0091012011	23
0029012042	22
0050012082	21
0012012011	19
0047012012	18
0047012052	17
RSMV012011	17
0091012042	16
0050012052	14
0091012023	14
0029012063	13
0065012011	13
0091012043	13
0137034252	12
0473012013	12
0041012043	11
0097012011	11
0020012022	8
0106012032	8
0046012102	5
0091012053	5
0091012054	5
0473012011	5
0016012022	4
0105012012	4
0478012011	4
0482012021	4
0482012023	4
0497012012	4
0040012011	3
0040012012	3
0041012054	3
0050012072	3
0093012022	3
0029012061	2
0041012012	2
0047012011	2
0047012032	2
0048012053	2
0050012022	2
0073012014	2

Circuit Name	Retail Electric Customers Affected
0091012041	2
0093012062	2
0114012023	2
0132012032	2
0004012004	1
0012012032	1
0012012034	1
0013012033	1
0014012021	1
0019012063	1
0020012023	1
0050012023	1
0068012021	1
0068012053	1
0082012042	1
0091012033	1
0091012062	1
0105012011	1
0106012033	1
0115012021	1
0115012031	1
0117012022	1
0117012033	1
0125012021	1
0128012031	1
0132012011	1
0478012012	1
0478012013	1
0480012011	1

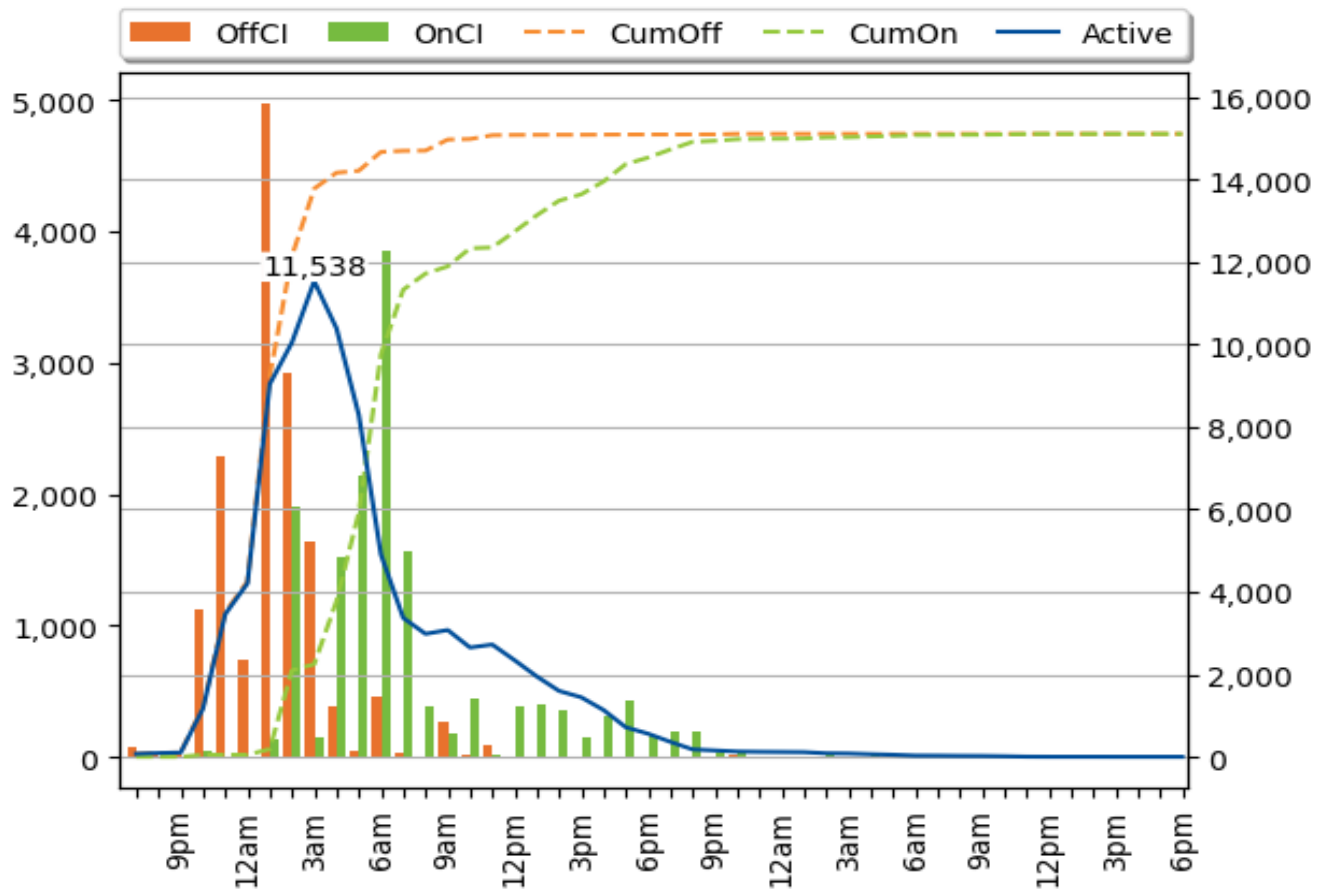
Root Causes

Root Cause	Customers Out	Number of Events
Weather	14,024	205
Unknown	981	2
Vegetation	91	8
Equipment	17	12
Public	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Public	Unknown	Vegetation	Weather	Total
Cable	6	0	0	0	0	6
Connector	1	0	0	1	0	2
Insulated Transition	0	0	0	0	111	111
Interrupting Device	3	0	0	16	3,588	3,607
Lightning/Surge Arrester	0	0	0	0	1	1
Other Equipment	3	1	981	69	1,895	2,949
Structural Support	1	0	0	0	308	309
Switch	0	0	0	0	91	91
Transformer	2	0	0	0	2	4
Wire	1	0	0	5	8,028	8,034
Total	17	1	981	91	14,024	15,114

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