

Evergy Kansas Metro
June 26th, 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 Wednesday, June 26th 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 Mission, Vassar and Shawnee.

The peak number of customers without power occurred within the 4:00 AM hour of June 26th and totaled approximately 5,148 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 6,950 customers experienced sustained service interruptions.

Approximately 6,950 interrupted customers had been restored before 10:00 PM on June 26th.

Communities & Cities affected during the is event period

City or Community Affected
Baldwin
Baldwin City
Bucyrus
Eudora
Fairway
Garnett
Harris
La Cygne
Lacygne
Lane
Leawood
Louisburg
Lyndon
Melvern
Mission
Mission Hills
Olathe
Overland Park
Paola
Parker
Pleasanton
Pomona
Prairie Village
Quenemo
Rantoul
Richmond
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Stilwell
Vassar
Welda
Westphalia
Williamsburg

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0022012021	2,081
0068012052	847
0478012014	822
0068012013	305
0047012032	223
0012012063	166
0097012011	150
0016012022	126
0091012033	118
0050012051	109
0117012031	105
0020012012	100
0073012023	96
0068012032	91
0013012031	85
0012012022	83
0012012041	81
0050012023	81
0068012012	79
0106012033	79
0050012062	75
0048012041	62
0068012044	60
0050012083	59
0012012012	56
0497012021	51
0031013022	48
0050012024	47
0020012023	46
0073012024	45
0474012002	45
0012012083	44
0047012012	42
0114012023	39
0471012013	38
RSMV012012	35
0055034704	30
0091012052	30
0091012053	25
0482012022	23
0497012012	23
0068012021	21
0073012021	20
0091012014	20
0050012021	10
0073012013	10
0091012054	10
0041012022	9
0047012052	9
0091012041	9
0041012021	8

Circuit Name	Retail Electric Customers Affected
0050012022	8
0068012011	8
0091012031	8
0091012042	8
0497012022	7
0033012012	5
0132012011	4
0076012011	3
0080012015	2
0090012032	2
0124012002	2
0473012011	2
0005012005	1
0012012032	1
0012012053	1
0014012012	1
0050012042	1
0050012052	1
0050012081	1
0068012031	1
0080012012	1
0081034707	1
0121012012	1
0128012033	1
0472012011	1
0476012012	1
0495012011	1

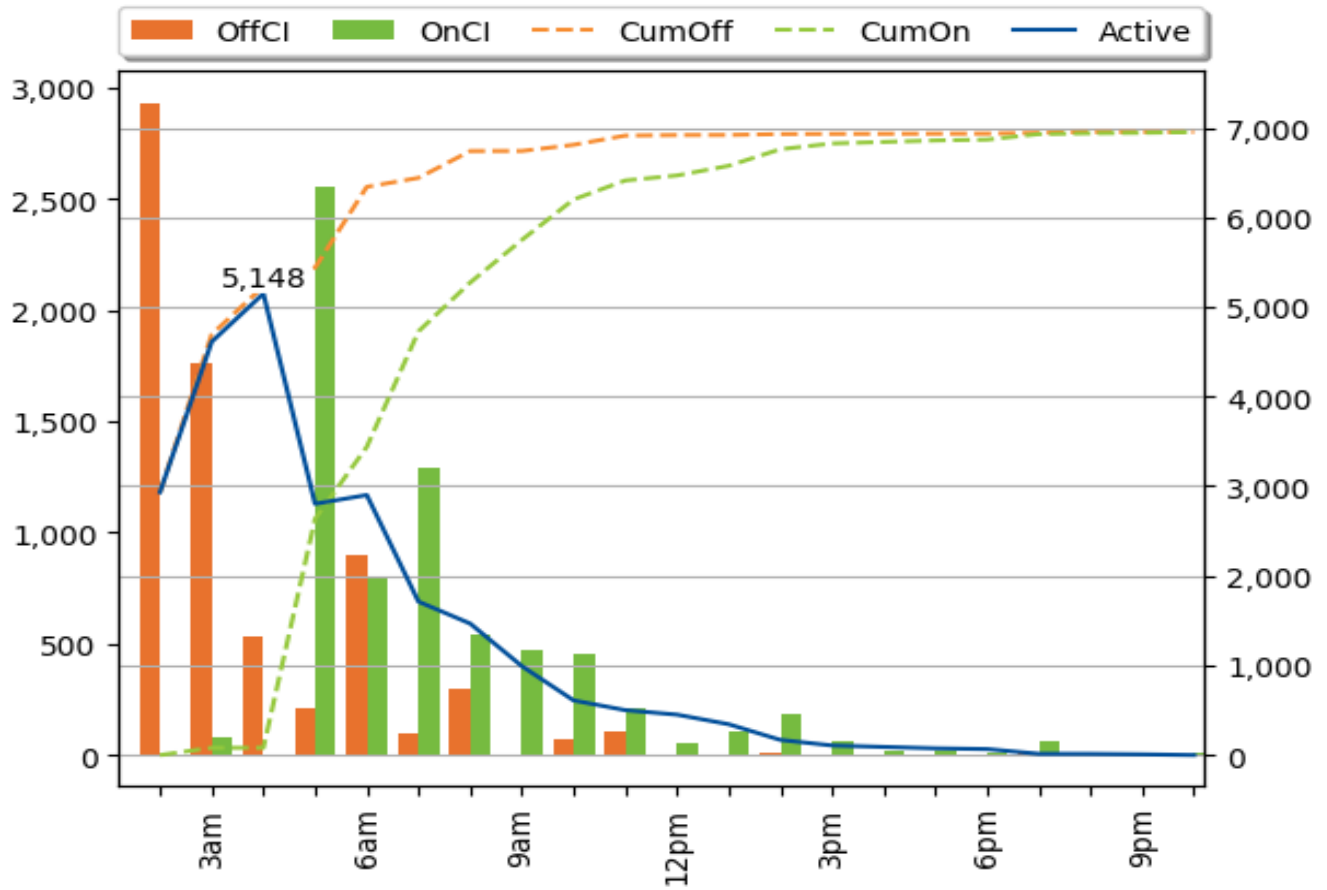
Root Causes

Root Cause	Customers Out	Number of Events
Vegetation	4,319	45
Weather	2,461	73
Other	69	2
Public	55	8
Equipment	33	6
Wildlife	11	3
Unknown	1	1
Planned	1	1

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Planned	Public	Unknown	Vegetation	Weather	Wildlife	Total
Connector	8	0	0	0	0	1	0	0	9
Insulated Transition	0	0	0	0	0	0	86	0	86
Interrupting Device	0	0	0	10	0	847	258	11	1,126
Other Equipment	2	69	1	0	1	174	469	0	716
Structural Support	0	0	0	0	0	11	383	0	394
Transformer	23	0	0	1	0	0	13	0	37
Wire	0	0	0	44	0	3,286	1,252	0	4,582
Total	33	69	1	55	1	4,319	2,461	11	6,950

Restoration Over June 26th, 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