

Evergy Kansas Metro
June 8th, 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 Saturday, June 8th 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 Olathe, Overland Park, Shawnee Mission, Lenexa, Richmond and Princeton.

The peak number of customers without power occurred within the 3:00 PM hour of June 8th and totaled approximately 1,981 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 4,431 customers experienced sustained service interruptions.

Approximately 4,292 interrupted customers had been restored before 12:00 AM on June 9th.

Communities & Cities affected during the is event period

City or Community Affected
Bucyrus
Edgerton
Fairway
Gardner
Kansas City
Leawood
Lenexa
Melvern
Mission
Mound City
Olathe
Ottawa
Overland Park
Paola
Pomona
Prairie Village
Princeton
Quenemo
Rantoul
Richmond
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Stanley
Stilwell
Vassar
Welda
Wellsville
Westwood
Williamsburg

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0090012031	1,271
0076012011	703
0090012043	692
0114012021	174
0050012011	129
0068012052	126
0050012023	115
0050012022	104
0068012032	91
0023013055	90
0068012011	89
0069012011	76
0091012023	72
0029012042	58
0073012021	57
RSMV012011	57
0047012052	53
0047012032	42
0068012044	37
0091012021	37
0050012021	30
0068012013	28
0012012032	27
0013012033	27
0020012012	27
0050012081	27
0093012024	20
0012012083	18
0020012022	18
0012012063	15
0050012082	14
0091012012	10
0479012011	10
0038012023	9
0105012012	7
0029012022	6
0050012072	6
0068012012	6
0478012014	6
0013012032	5
0051012042	5
0073012023	5
0048012041	4
0472012021	4
0497012012	4
0041012022	2
0046034101	2
0097012011	2
0473012013	2
0013012022	1
0038012032	1

Circuit Name	Retail Electric Customers Affected
0040012011	1
0046012101	1
0050012033	1
0050012071	1
0050012083	1
0065012012	1
0068012024	1
0471012013	1
0495012011	1
0497012011	1

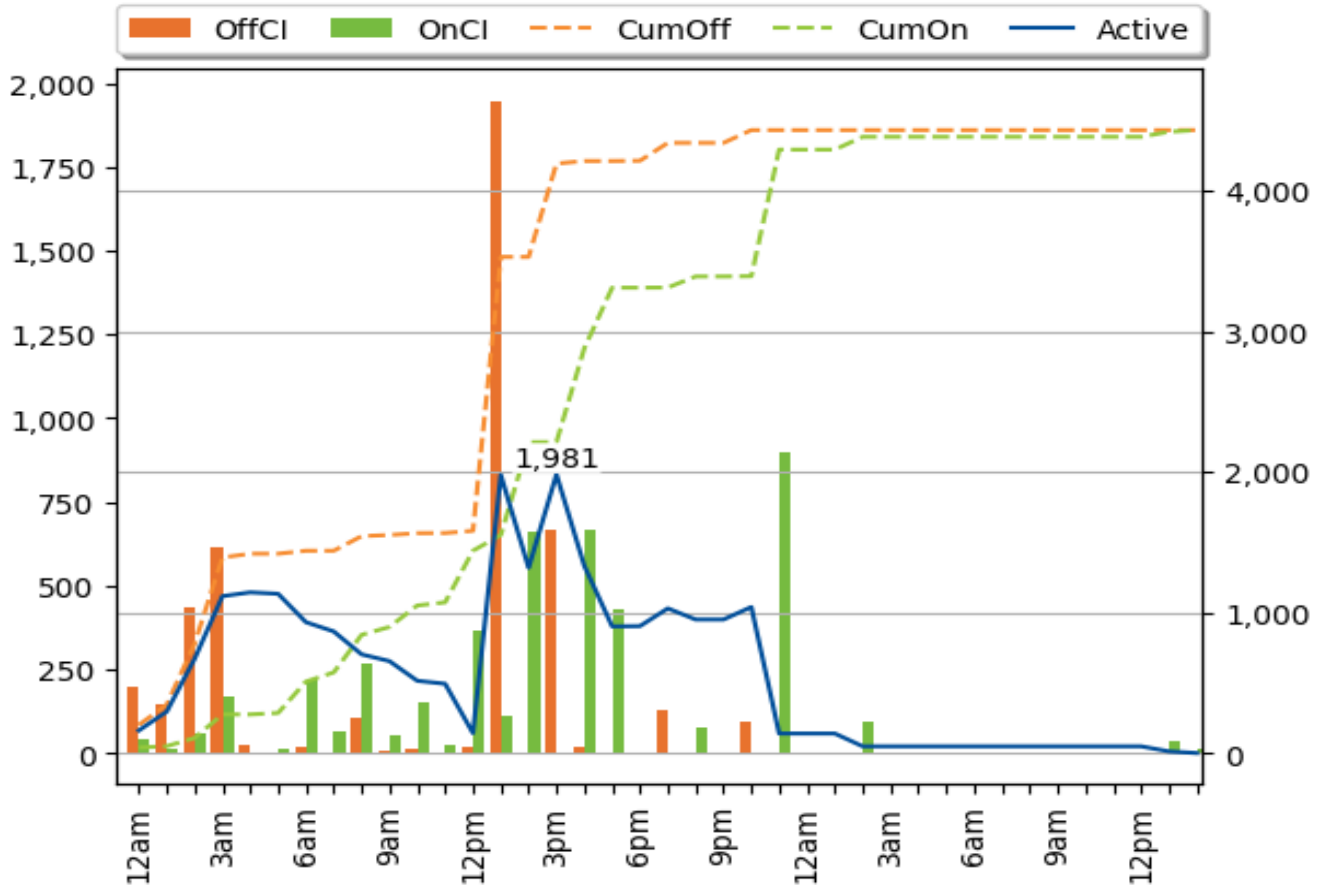
Root Causes

Root Cause	Customers Out	Number of Events
Weather	2,903	44
Vegetation	856	23
Wildlife	670	3
Equipment	2	2

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Vegetation	Weather	Wildlife	Total
Cable	1	0	0	0	1
Connector	0	0	1	0	1
Insulated Transition	0	0	58	0	58
Interrupting Device	0	96	356	6	458
Lightning/Surge Arrester	0	0	25	0	25
Other Equipment	1	82	178	0	261
Structural Support	0	36	1,995	0	2,031
Transformer	0	0	0	664	664
Wire	0	642	290	0	932
Total	2	856	2,903	670	4,431

Restoration Over June 8th, 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