

Evergy Kansas Metro
August 12th, 2021
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, August 12th at approximately 2:00 PM, storms in the service area caused numerous interruptions in Evergy Kansas Metro. Most of the interruptions occurred in areas surrounding Shawnee Mission, Olathe, Shawnee and Overland Park.

The peak number of customers without power occurred within the 11:00 PM hour of August 12th and totaled approximately 10,260 customers. These accumulated interruptions have been classified as a "Significant Event", having over 10,000 retail customers with sustained service interruptions. In total for this event, 10,744 customers experienced sustained service interruptions.

Approximately 10,329 interrupted customers had been restored before 6:00 AM on August 13th.

Communities & Cities affected during the is event period

City or Community Affected
Baldwin
Bucyrus
Edgerton
Eudora
Leawood
Lenexa
Louisburg
Merriam
Mission
Olathe
Overbrook
Overland Park
Paola
Pomona
Prairie Village
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Stilwell

Circuits Affected

Circuit Name	Retail Electric Customers Affected
1322	1,798
4114	1,312
4121	1,125
1333	1,090
9125	934
5073	857
6852	847
9323	614
4153	407
8223	220
2942	193
9363	137
11722	131
7313	123
9114	118
12834	116
1413	106
9342	76
8221	73
9111	72
12112	71
8222	47
47811	46
4712	40
8211	39
47312	29
13213	16
34	16
6854	15
9032	13
2963	12
9131	8
12831	6
6512	6
1211	5
9343	4
1621	3
2932	3
33	3
5142	3
5072	2
10521	1
16114	1
4	1
4134	1
48211	1
48222	1
6831	1
6832	1

Root Causes

Root Cause	Customers Out	Number of Events
Weather	9,256	70
Vegetation	1,488	12

Customers Out by Cause and Failed Component Type

Failed Component	Vegetation	Weather	Total
Cable	0	54	54
Insulated Transition	0	847	847
Interrupting Device	3	3,309	3,312
Lightning/Surge Arrester	0	43	43
Other Equipment	39	2,255	2,294
Structural Support	0	1,120	1,120
Switch	0	847	847
Transformer	0	19	19
Wire	1,446	762	2,208
Total	1,488	9,256	10,744

Restoration Over August 12th, 2021

