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Filed Date: 06/07/2024
State Corporation Commission
of Kansas

Evergy Kansas Metro
May 19th, 2024 - May 20th, 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 Sunday, May 19th at approximately 10:00 PM, storms in the service area caused numerous interruptions in Evergy Kansas Metro. Most of the interruptions occurred in areas surrounding Shawnee Mission, Overland Park, Shawnee, Olathe and Prairie Village.

The peak number of customers without power occurred within the 10:00 PM hour of May 19th and totaled approximately 20,350 customers. These accumulated interruptions have been classified as an IEEE Major Event Day. In total for this event, 23,466 customers experienced sustained service interruptions.

Approximately 21,134 interrupted customers had been restored before 12:00 AM on May 21st.

Communities & Cities affected during the is event period

City or Community Affected
Baldwin
Baldwin City
Bucyrus
Edgerton
Eudora
Fairway
Fontana
Gardner
Garnett
Hillsdale
Kansas City
La Cygne
Lacygne
Leawood
Lenexa
Linn Valley
Louisburg
Mapleton
Merriam
Mission
Mission Hills
Mound City
Olathe
Osawatomie
Ottawa
Overland Park
Paola
Pomona
Prairie Village
Princeton
Rantoul
Roeland Park
Shawnee
Shawnee Mission
Spring Hill
Vassar
Welda
Wellsville
Westwood
Williamsburg

Circuits Affected

Circuit Name	Retail Electric Customers Affected
0013012021	1,783
0047012052	1,457
0068012013	1,445
0051012012	1,424
0012012041	1,389
0068012044	1,379
0050012052	1,265
0093012041	1,065
0091012021	905
0090012022	904
0091012023	780
0050012081	642
0013012031	640
0091012042	586
0093012062	585
0068012012	584
0012012031	525
0091012032	455
0020012012	360
0012012013	350
0013012022	307
0093012063	297
0050012022	282
0051012031	265
0046012101	264
0128012034	237
0474012002	236
0479012011	177
RSMV012011	153
0050012072	152
0050012031	141
0121012013	136
0013012033	133
0093012042	130
0073012021	129
0012012063	125
0012012022	119
0050012033	101
0012012053	94
0012012083	90
0023013055	90
0125012022	87
0051012041	86
0091012031	80
0050012011	79
0050012023	76
0132012013	73
0068012011	70
0050012073	59
0050012071	58
0091012041	56

Circuit Name	Retail Electric Customers Affected
0105012011	50
0020012023	46
0114012023	45
0121012012	41
0073012014	40
0068012024	32
0014012011	30
0031013022	28
0091012014	21
0478012013	19
0081034707	17
0073012024	16
0069012043	14
0473012011	14
0069012011	13
0068012033	12
0097012011	12
0047012033	9
0047012012	8
0091012033	8
0040012012	7
0128012033	7
0105012021	6
0029012022	5
0041012012	5
0076012022	5
0099012013	5
0066012012	4
0117012031	4
0472012011	4
0068012021	3
0076012011	3
0132012032	2
0478012014	2
0482012022	2
0484012011	2
0495012011	2
0005012005	1
0031013014	1
0041012034	1
0046012102	1
0047012032	1
0047012053	1
0073012013	1
0082012013	1
0082012023	1
0091012012	1
0091012013	1
0105012012	1
0124012001	1
0161012014	1
0471012013	1

Circuit Name	Retail Electric Customers Affected
0472012021	1
0476012012	1
0480012021	1

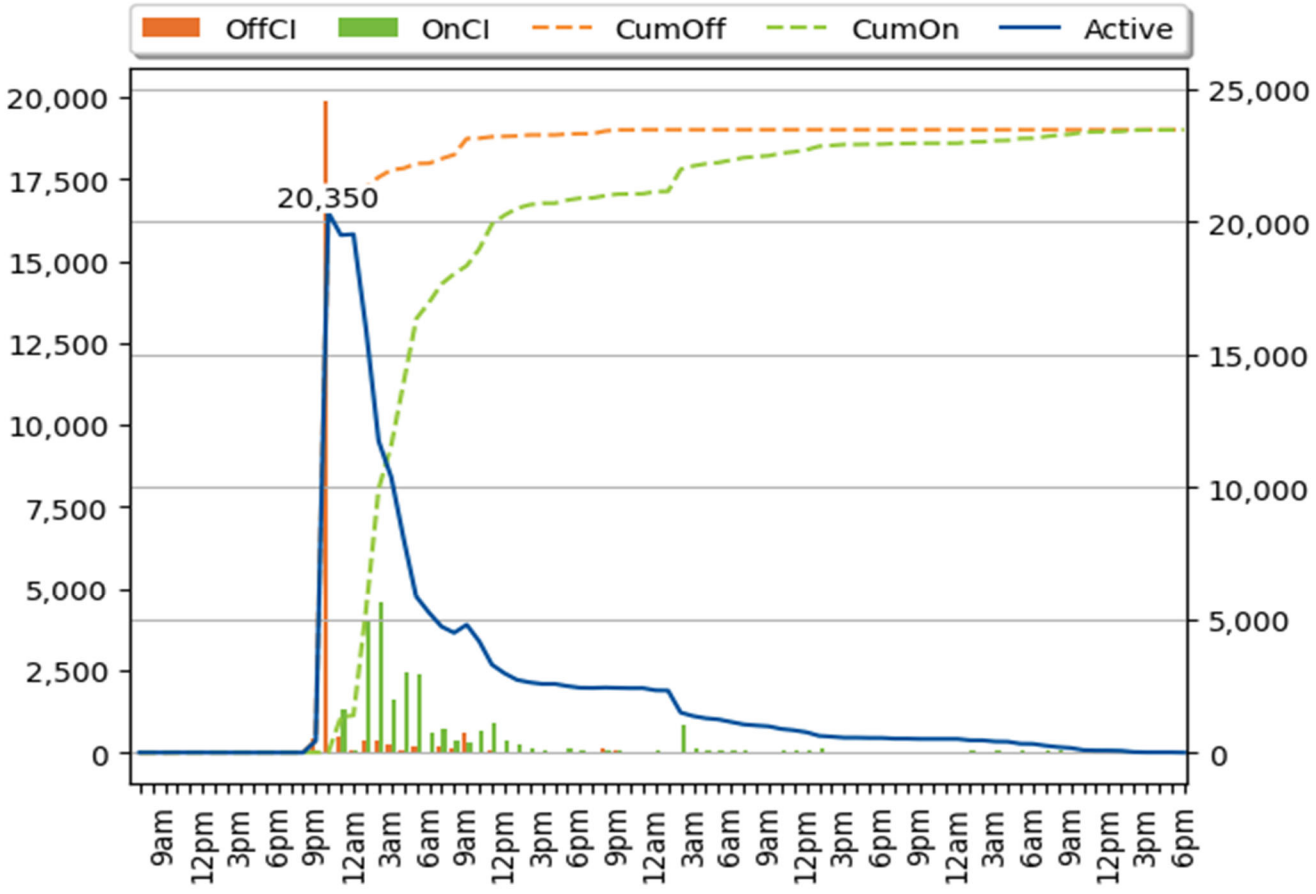
Root Causes

Root Cause	Customers Out	Number of Events
Weather	15,962	158
Vegetation	6,637	76
Other	796	5
Wildlife	36	2
Equipment	35	10

Customers Out by Cause and Failed Component Type

Failed Component	Equipment	Other	Vegetation	Weather	Wildlife	Total
Cable	0	0	0	1	0	1
Connector	2	0	7	3	0	12
Insulated Transition	0	0	0	4	0	4
Interrupting Device	2	0	2,278	8,906	35	11,221
None	0	0	0	3	0	3
Other Equipment	0	795	33	785	1	1,614
Structural Support	0	0	116	2,270	0	2,386
Transformer	19	0	0	23	0	42
Wire	12	1	4,203	3,967	0	8,183
Total	**35**	**796**	**6,637**	**15,962**	**36**	**23,466**

May 19th, 2024 - May 20th, 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