

**KANSAS CITY POWER & LIGHT COMPANY**  
**STORM EVENT REPORT**  
**FOR NOVEMBER 25, 2018**

Report to:

Kansas Corporation Commission

December 28, 2018

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## **I) Introduction**

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This report is submitted to the Kansas Corporation Commission (“Commission”) in compliance with the Electric Reliability Requirements, (“ERR”) Section 6, Parts A & B, under Docket No. 02-GIME-365-GIE.

Sunday morning, November 25, 2018, a major storm hit Kansas City Power & Light Company’s (“KCP&L” or “Company”) (Evergy Company) service region. The storm swept through KCP&L’s territory with 52 mph wind gusts, and blizzard-like conditions. The storm resulted in a total of 13,310 Kansas customer interruptions.<sup>1</sup> These accumulated outages have been classified as a “Significant Event,” having over 10,000 retail customers with sustained service interruptions in a 24-hour period.

The scope of this report focuses on Kansas incidents stemming from the identified storm event. The affected KCP&L Kansas service center facilities were Johnson County, Southland and South District.

At approximately 0829 hours on Sunday, November 25, 2018, a severe snow storm moved into KCP&L’s service territory impacting various KCP&L Kansas and Missouri certificated service areas. During this storm, the Kansas City area experienced up to 52 mph damaging winds, blizzard-like conditions and at times whiteouts. KCP&L’s Kansas service territory experienced outages to 13,310 customers. All Kansas customer service interruptions from the storm front were restored by 23:55 hours on Monday, November 26, 2018.

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<sup>1</sup> The number of “Customer Interruptions” does not reflect the number of unique customers affected. During a severe weather event a single customer can experience more than one interruption in service.

## II) List of Communities Affected in Kansas

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The following is an alphabetical list of affected counties and cities within those counties:

### Anderson County

Greeley

### Douglas County

Baldwin City

Baldwin

Edgerton

Eudora

Wellsville

### Franklin County

Baldwin City

Greeley

Ottawa

Pomona

Rantoul

Richmond

Wellsville

Williamsburg

### Johnson County

Bucyrus

Edgerton

Fairway

Gardner

Leawood

Lenexa

Merriam

Mission

Mission Hills

New Century

Olathe

### Johnson County -Continued

Overland Park

Prairie Village

Roeland Park

Shawnee

Shawnee Mission

Stanley

Stilwell

### Linn

Linn Valley

Pleasanton

### Miami

Bucyrus

Edgerton

Hillsdale

Lacygne

Louisburg

Paola

Spring Hill

Wellsville

### Osage

Lyndon

Osage City

Quenemo

### Wyandotte County

Bonner Springs

Kansas City

### III) Number of Customer Interruptions

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In total, there were 13,310 KCP&L Kansas customer interruptions. The breakdown of individual **customer interruptions** by facility classes and by damage types are as follows:

<b>Facility Class</b>	<b>Customer Interruptions by Facility Class</b>	<b>% of Customer Interruptions by Facility Class</b>
Feeder	8,894	66.8%
Lateral	4,404	33.1%
Secondary & Service	12	0.1%
<b>Total</b>	<b>13,310</b>	<b>100.0%</b>

<b>Type of Damage</b>	<b>Customer Interruptions by Damage Type</b>	<b>% of Customer Interruptions by Damage Type</b>
Blown Fuse	2,482	18.7%
Failed Cables & Wires	3,903	29.3%
Failed Pole	1,010	7.6%
All Others	5,915	44.4%
<b>Total</b>	<b>13,310</b>	<b>100.0%</b>

**IV) Circuits Affected and Number of Customer Interruptions on Each Circuit**

Circuit #	Customers Affected
102	255
10512	2
10521	33
11522	43
11722	1444
11731	477
11733	6
12111	3
12113	1
1224	3
12401	21
12531	105
12833	33
12834	8
13211	6
13232	1
1333	1
137252	1943
1622	88
1932	21
2213	125
33	196
34	1
4	77
4011	129
4111	459
4122	2
4123	208

Circuit #	Customers Affected
4131	90
4143	16
46101	1431
4711	3
4712	13
47211	755
47221	857
47311	1
47313	1
47711	148
47712	117
47811	24
47812	5
47813	187
47814	8
48021	21
48221	1
48222	510
48411	76
49711	1
49712	20
5022	1
5044	66
5131	156
6511	118
6811	42
6812	1078
6843	1

Circuit #	Customers Affected
6852	1
6854	71
6911	33
6912	8
6843	1
6852	1
6854	71
6911	33
6912	8
7313	118
7321	15
7323	133
7324	30
7611	7
7622	1
8012	1
9011	1
9042	21
9133	1
9143	4
9322	1422
9324	5

**V) System Damage**

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There were 130 KCP&L system outages as a result of the November 25, 2018 storm. The breakdown of **system outages** by facility level and by damage type are as follows:

Facility Level	Number of System Outages by Facility Level	% of System Outages by Facility Level
Feeder	20	15.4%
Lateral	100	76.9%
Secondary & Service	10	7.7%
<b>Total</b>	<b>130</b>	<b>100.0%</b>

Type of Damage	Number of System Outages by Damage Type	% of System Outages by Damage Type
Blown Fuse	74	56.9%
Failed Cables & Wires	22	16.9%
Failed Pole	5	3.9%
All Others	29	22.3%
<b>Total</b>	<b>130</b>	<b>100.0%</b>

The weather, heavy snow, and strong winds were the major contributing factors to the outages. The storm conditions contributed to all outages representing 100% of the total outages.

**VI) Extent of the Interruptions**

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KCP&L began receiving customer outage reports in the morning hours (0829 hours) on Sunday, November 25, 2018. The storm caused 13,310 Kansas customer interruptions. At 1500 hours on November 25, 2018, 50% of the Kansas customer interruptions were restored. By 1900 hours on November 25, 2018, 75% of the Kansas customer interruptions were restored. By 2200 hours on November 25, 2018, 90% of the Kansas customer interruptions were restored. By 2355 hours on November 26, 2018, 100% of the Kansas customer interruptions were restored.