





**KENTUCKY UTILITIES COMPANY  
AND  
LOUISVILLE GAS AND ELECTRIC COMPANY**

**November 12, 2018 Supplemental Response to Attorney General's Initial Data  
Requests for Information  
Dated October 1, 2018**

**Case No. 2018-00304**

**Question No. 1**

**Responding Witness: Christopher M. Garrett / John K. Wolfe**

- Q-1. Reference the Application at page 6, wherein the Companies describe the number of wires and poles damaged across the utilities' service territories.
- a. Provide, with as much specificity and description as reasonably possible, the geographic areas, distribution lines, distribution areas, cities, etc. where the damage from the July 20, 2018 storms to the Companies' system were focused. If reasonably possible, provide specific line names, or, if parallel to roads, the name of those roads or streets and the zip code where those lines are located.
  - b. Based on the specificity or descriptions provided in response to 1(a), above, provide the costs, both O&M and capital, broken out by geographic area, distribution line, distribution area, city, etc. If reasonably possible, compare the costs related to the July 20, 2018 Storms per geographic area, distribution line, distribution area, city, etc. to the annual expense or average annual expense of those same areas for the past 10 years.
  - c. Provide an analysis of the extent of outages occurring as a result of the subject storm on the twenty (20) worst-performing circuits for each KU and LG&E.

A-1. **Original Response:**

- a. See attached. Attachment 1 for KU and Attachment 2 for LG&E contain a listing of distribution circuits which experienced one or more outages as a result of the July 20, 2018 severe weather, sorted by company, local area, and substation.
- b. See attached. The Companies do not maintain storm recovery costs to the level of detail described in the request. The attachment contains LG&E's and KU's annual O&M and Capital storm costs for 2008 - 2017.
- c. The July 20, 2018 severe weather outbreak produced 2,149 outage events on the LG&E and KU distribution systems. Only 6.5% (140) of these outage

events occurred on the twenty distribution circuits which contributed the most to system SAIFI for each Company over the previous five-year period. The following tables list these circuits and the number of outages resulting from the July 20<sup>th</sup> severe weather event.

**LG&E Circuits**

<b>Substation</b>	<b>Circuit</b>	<b>July 20th Storm Outage Events</b>
DIXIE	DX1222	5
HARRODS CREEK	HK1234	4
MILL CREEK - LGE	MC1261	0
NACHAND	NA1266	0
DIXIE	DX1223	0
CENTERFIELD	CF1204	0
BRECKENRIDGE	BR1181	2
CLIFTON	CL1232	0
DEL PARK	DE1410	0
WATTERSON	WT1210	0
OXMOOR	OX1274	13
HARRODS CREEK	HK1243	0
INTERNATIONAL	IN1291	3
BRECKENRIDGE	BR1177	8
SEMINOLE	SM1235	0
SOUTH PARK	SP1116	0
SEMINOLE	SM1233	2
SOUTH PARK	SP1115	1
HIGHLAND	HI1105	0
TAYLOR	TA1130	13
	<b>Total</b>	<b>51</b>

**KU (Kentucky) Circuits**

<b>Substation</b>	<b>Circuit</b>	<b>July 20th Storm Outage Events</b>
FRANKFORT	3411	0
Earlington - Oak Hill (Sec 3B)	3418	0
REYNOLDS	0044	1
JOYLAND	0099	4
LANSDOWNE SWITCHING	0126	4
HOPEWELL	0286	5
SHANNON RUN	0868	11
PICADOME 12KV	0112	1
EVARTS	4476	0
CALLOWAY	0311	0
RICHMOND 2	2313	1
BRYANT ROAD	0874	3
HARLAN 12KV	4406	3
LOUDON AVENUE	0127	5
ROGERS GAP	0451	1
FARISTON	0217	1
VERSAILLES BYPASS	0509	21
PINEVILLE	0301	4
LANSDOWNE SWITCHING	0024	10
LANSDOWNE SWITCHING	0106	14
	<b>Total</b>	<b>89</b>

**November 12, 2018 Supplemental Response for Question No. 1(b):**

See attached. The Companies do not maintain storm recovery costs to the level of detail described in the request. The attachment contains corrections to LG&E's and KU's annual O&M and Capital storm costs for 2008 - 2017.

**Historical Storm Costs**

	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>Electric Distribution</b>										
<b>LG&amp;E</b>										
<b>Capital</b>	9,458,355	10,590,745	681,541	3,680,005	1,210,459	1,099,026	2,706,998	2,234,328	1,317,667	1,174,483
<b>O&amp;M</b>	30,008,003	49,216,775	1,535,593	14,866,414	4,364,361	5,432,638	9,069,912	4,844,214	2,304,503	2,267,174
<b>KU</b>										
<b>Capital</b>	3,477,527	20,090,201	2,112,120	1,476,370	1,370,523	2,117,293	3,904,290	2,509,857	2,469,658	2,303,982
<b>O&amp;M</b>	9,155,653	71,098,926	2,626,598	3,998,403	4,348,856	2,410,744	6,840,824	3,606,330	2,841,206	2,532,603
<b>Transmission</b>										
<b>LG&amp;E</b>										
<b>Capital</b>	437,145	715,221	95,738	335,943	347,245	6,744	98,919	71,716	95,288	153,409
<b>O&amp;M</b>	9,516	121,998	30,665	55,878	48,652	41,154	295,181	143,350	83,641	99,240
<b>KU</b>										
<b>Capital</b>	504,757	17,172,039	808,500	1,212,009	1,584,025	1,325,537	1,278,428	1,212,621	923,044	818,409
<b>O&amp;M</b>	124,869	1,268,935	161,669	324,000	501,093	344,374	393,671	588,286	307,552	176,143
<b>Total</b>										
<b>LG&amp;E</b>										
<b>Capital</b>	9,895,500	11,305,966	777,279	4,015,948	1,557,704	1,105,770	2,805,917	2,306,043	1,412,955	1,327,892
<b>O&amp;M</b>	30,017,518	49,338,773	1,566,258	14,922,292	4,413,013	5,473,792	9,365,093	4,987,564	2,388,144	2,366,414
<b>KU</b>										
<b>Capital</b>	3,982,284	37,262,240	2,920,620	2,688,380	2,954,548	3,442,830	5,182,718	3,722,478	3,392,701	3,122,391
<b>O&amp;M</b>	9,280,522	72,367,861	2,788,266	4,322,403	4,849,950	2,755,118	7,234,495	4,194,615	3,148,758	2,708,747