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PUBLIC SERVICE  
COMMISSION

Dr. Talina R. Mathews, Executive Director  
Kentucky Public Service Commission  
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P.O. Box 615  
Frankfort, Kentucky 40601

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June 30, 2017

**RE: Weather Normalization Report - Case No. 2009-00172**

Dear Dr. Mathews:

Pursuant to the Commission's Order in Case No. 2009-00172, dated July 21, 2009, Louisville Gas and Electric Company ("LG&E") files herewith an original and four copies of a report on the weather normalization adjustment ("WNA") for the period November 2016 through April 2017.

This report demonstrates that LG&E billed customers a total of \$12,135,460 under the WNA during the period November 2016 through April 2017. This billing was due to the fact that actual heating degree days during the period were below the normal heating degree days.

If you have any questions regarding this filing, please contact me at (502) 627-4127, or Dawn McGee at (502) 627-4969.

Sincerely,

Derek A. Rahn

Enclosures

An experimental weather normalization adjustment (“WNA”) was implemented for Louisville Gas and Electric Company (“LG&E”) by a Kentucky Public Service Commission (“KPSC”) Order in Case No. 2000-00080 dated September 27, 2000. In 2003, the WNA program was extended through April 30, 2006 by KPSC Order in Case No. 2003-00357 dated October 30, 2003. The WNA program was expanded to include November, pursuant to a KPSC Order in Case No. 2003-00433 dated June 30, 2004. On October 18, 2006, the Commission issued an Order in Case No. 2006-00419 extending the WNA program through April 30, 2009. On July 21, 2009, the Commission approved LG&E’s request to make its WNA permanent in Case No. 2009-00172. The following report summarizes the results of the program for the period of November 2016 through April 2017. The specific items requested by the Commission in Appendix B of the September 2000 Order are outlined in tabular form below.

**1. Number of WNA Customers By Class**

	<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>
<b>Residential</b>	281,616	289,822	291,784	291,903	292,286	290,883
<b>Commercial</b>	20,178	23,244	24,122	24,152	24,137	23,407
<b>Total</b>	<b>301,794</b>	<b>313,066</b>	<b>315,906</b>	<b>316,055</b>	<b>316,423</b>	<b>314,290</b>

**2. Amount of WNA Revenue By Class**

	<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>
<b>Residential</b>	\$1,237,643	\$38,995	\$1,165,650	\$2,692,163	\$2,310,912	\$1,556,037
<b>Commercial</b>	359,228	41,416	415,127	943,319	791,142	583,829
<b>Total</b>	<b>\$1,596,871</b>	<b>\$80,411</b>	<b>\$1,580,776</b>	<b>\$3,635,482</b>	<b>\$3,102,054</b>	<b>\$2,139,866</b>
<b>Season Total:</b>	<b>\$12,135,460</b>					

**3. Ccf Volume Adjustment Resulting From WNA By Class**

	<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>
<b>Residential</b>	4,313,475	135,886	4,062,533	9,382,862	8,054,097	5,423,173
<b>Commercial</b>	1,670,282	192,627	1,930,088	4,385,845	3,678,247	2,714,370
<b>Total</b>	<b>5,983,757</b>	<b>328,513</b>	<b>5,992,621</b>	<b>13,768,707</b>	<b>11,732,344</b>	<b>8,137,543</b>
<b>Season Total:</b>	<b>45,943,485</b>					

**4. Average WNA Revenue per Customer By Class**

	<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>
<b>Residential</b>	\$4.39	\$0.14	\$4.00	\$9.22	\$7.91	\$5.35
<b>Commercial</b>	\$17.80	\$1.78	\$17.21	\$39.06	\$32.78	\$24.94

**5. Amount of WNA Revenue Total Company**

Season Total is \$12,135,460.

**6. Mcf Volume Adjustment Resulting from WNA for Total Company**

	<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>
<b>Residential</b>	431,347.5	13,588.6	406,253.3	938,286.2	805,409.7	542,317.3
<b>Commercial</b>	167,028.2	19,262.7	193,008.8	438,584.5	367,824.7	271,437.0
<b>Total</b>	<b>598,375.7</b>	<b>32,851.3</b>	<b>599,262.1</b>	<b>1,376,870.7</b>	<b>1,173,234.4</b>	<b>813,754.3</b>
<b>Season Total:</b>	<b>4,594,348.5</b>					

**7. WNA Impact on Earnings for Reporting Period**

Assuming a Tax Adjustment of 38.9% (\$) for 2016 and 2017

<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Total</b>
\$975,688	\$49,131	\$965,854	2,221,280	1,895,355	\$1,307,458	\$7,414,766

**8. Actual Number of Heating Degree Days**

<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Season Total</b>
382	831	726	446	459	90	<b>2,934</b>

**9. Normal Number of Heating Degree Days**

<b>November</b>	<b>December</b>	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>Season Total</b>
500	818	923	753	523	229	<b>3,746</b>

**10. Variation of Actual Temperatures from Normal Temperatures (%)**

The average monthly High/Low temperature (degrees F) by month were:

	<b>Actual</b>	<b>Normal</b>
<b>November 2016</b>	52.7	48.3
<b>December 2016</b>	38.0	38.5
<b>January 2017</b>	41.4	35.1
<b>February 2017</b>	49.0	38.0
<b>March 2017</b>	50.3	47.6
<b>April 2017</b>	65.3	58.3

**11. Number of Customer Inquiries About WNA Program**

LG&E's Customer Service Center received more than ten (10) inquiries about the WNA Program. Most customer inquiries were prompted by the effects of the unseasonably warm weather experienced during the WNA billing period.

**12. Number of Customer Complaints About WNA Program**

LG&E received 2 complaints about the WNA Program.