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**VIA FedEx OVERNIGHT DELIVERY**

June 11, 2018

Ms. Gwen R. Pinson  
Executive Director  
Public Service Commission of Kentucky  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

JUN 12 2018

PUBLIC SERVICE  
COMMISSION

**Re:**

***Big Rivers Electric Corporation's Annual Financial and Statistical Report Pursuant to Administrative Case No. 387 - A Review of the Adequacy of Kentucky's Generation Capacity and Transmission System: Supplemental Responses to Item Nos. 3 and 4***

Dear Ms. Pinson:

On Friday, June 8, 2018, Commission Legal Counsel advised Big Rivers that its Annual Information Filing, submitted on February 28, 2018, in the aforementioned proceeding, did not contain the table attachment for Item No. 3 and the graph attachment for Item No. 4. Big Rivers is providing an original and ten (10) copies of this supplemental filing with those attachments.

Please confirm your receipt of this supplemental filing by placing the Commission's file stamp, with date received, on the enclosed additional copy and returning it to Big Rivers in the self-addressed, postage-paid envelop provided.

Please contact me if you have any questions about these documents.

Sincerely,

A handwritten signature in blue ink, appearing to read "TK", written over a light blue circular stamp.

Tyson Kamuf  
Corporate Attorney, Big Rivers Electric Corporation

**ORIGINAL**



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PUBLIC SERVICE  
COMMISSION

**COMMONWEALTH OF KENTUCKY**

**BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY**

**In the Matters of:**

<b>A REVIEW OF THE ADEQUACY OF</b>	)	<b>Administrative</b>
<b>KENTUCKY'S GENERATION CAPACITY</b>	)	<b>Case No.</b>
<b>AND TRANSMISSION SYSTEM</b>	)	<b>387</b>

**SUPPLEMENTAL INFORMATION PROVIDED WITH  
BIG RIVERS' ANNUAL FINANCIAL AND STATISTICAL REPORT  
PURSUANT TO ADMINISTRATIVE CASE NO. 387**

**Supplemental Responses to Item Nos. 3 and 4**

**FILED: June 12, 2018**

**ORIGINAL**

**BIG RIVERS ELECTRIC CORPORATION**

**SUPPLEMENTAL INFORMATION PROVIDED WITH  
BIG RIVERS' ANNUAL FINANCIAL AND STATISTICAL REPORT  
PURSUANT TO ADMINISTRATIVE CASE NO. 387 –  
A REVIEW OF THE ADEQUACY OF KENTUCKY'S GENERATION  
CAPACITY AND TRANSMISSION SYSTEM**

**Response to Commission Staff's Information Request  
as set forth in  
Appendix G of the Commission's Order dated December 20, 2001**

**February 28, 2018**

**Supplemental Response June 12, 2018**

1 **Item 3)** *Actual and weather-normalized monthly coincident peak*  
2 *demands for the just completed calendar year. Demands should be*  
3 *disaggregated into*

4

5 *a. native load demand (firm and non-firm) and*

6 *b. off-system demand (firm and non-firm).*

7

8 **Response)** Big Rivers' initial response filed on February 28, 2018, did not  
9 include Table 3-G. Table 3-G is attached to this supplemental responses.

10 Table 3-G shows the actual and weather normalized native load  
11 demand and the off-system coincident demand for 2017. Native load is comprised  
12 of the rural and industrial load of Big Rivers' Members. Big Rivers sells its power  
13 into the Midcontinent Independent System Operator, Inc. ("MISO") market and,  
14 therefore, the off-system sales cannot be weather normalized. Off-system demand  
15 is comprised of two components: forward bilateral sales which are characterized  
16 as firm, and off-system sales due to generation clearing in the MISO market  
17 which is in excess of Big Rivers' load. These sales are not "non-firm," rather they  
18 are a result of Big Rivers' compliance with MISO tariff obligations.

19

20 **Respondent)** Marlene S. Parsley

21

**Big Rivers Electric Corporation  
Administrative Case No. 387  
Table 3-G  
Native Peak and Off-System Sales  
Weather Normalized**

**Total Native Load and Off-System Coincident Peak Demands <sup>1</sup> (MW)**

Month	Peak Date	Native Load		Off-System Sales		
		All Firm Peak Demand	Weather Normalized	Firm <sup>3</sup>	Off-System Demand	Non-Firm
Jan-17	01/07/17	609	589	500	Sales to MISO <sup>2</sup> 333	0
Feb-17	02/10/17	521	619	500	488	0
Mar-17	03/16/17	525	540	500	529	0
Apr-17	04/29/17	429	387	300	217	0
May-17	05/31/17	491	530	500	0	0
Jun-17	06/14/17	587	599	600	529	0
Jul-17	07/26/17	634	655	500	151	0
Aug-17	08/21/17	575	623	500	380	0
Sep-17	09/21/17	563	562	500	665	0
Oct-17	10/04/17	463	465	500	463	0
Nov-17	11/22/17	488	485	500	286	0
Dec-17	12/28/17	591	561	500	102 <sup>4</sup>	0

**Notes -**

- 1.- Native Load includes Transmission Losses
- 2.- Sales to MISO at generator nodes
- 3.- Off System Firm Sales are Pre-arranged bilateral sales, mostly occurring at MISO's Indiana Hub
- 4.- December off-system sales subject to slight change due to meter corrections

**BIG RIVERS ELECTRIC CORPORATION**

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A REVIEW OF THE ADEQUACY OF KENTUCKY'S GENERATION  
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**February 28, 2018**

**Supplemental Response June 12, 2018**

1 **Item 4)** *Load shape curves that show actual peak demands and*  
2 *weather-normalized peak demands (native load demand and total*  
3 *demand) on a monthly basis for the just completed calendar year.*

4

5 **Response)** Big Rivers' initial response filed on February 28, 2018, did not  
6 include Graph 4-G. Graph 4-G is attached to this supplemental responses.

7

8 Graph 4-G shows the monthly native load demand with the monthly  
9 weather normalized native load demand for 2017.

9

10

11 **Respondent)** Marlene S. Parsley

12

**Big Rivers Electric Corporation**  
**Administrative Case No. 387**  
**Graph 4-G**  
**Actual versus Weather Normalized Peak Demand**

