



201 Third Street  
P.O. Box 24  
Henderson, KY 42419-0024  
270-827-2561  
www.bigrivers.com

June 4, 2018

RECEIVED

**VIA OVERNIGHT DELIVERY**

JUN 05 2018

PUBLIC SERVICE  
COMMISSION

Ms. Gwen R. Pinson  
Executive Director  
Public Service Commission  
211 Sower Boulevard, P.O. Box 615  
Frankfort, Kentucky 40602-0615

Re: *In the Matter of: Application of Big Rivers Electric Corporation for a Certificate of Public Convenience and Necessity to Construct and Acquire a 345 kV Transmission Line in Hancock County, Kentucky—Case No. 2018-00004*

Dear Ms. Pinson:

Enclosed for filing on behalf of Big Rivers Electric Corporation are an original and ten copies of Big Rivers' responses to the Public Service Commission Staff's Second Request for Information.

Please confirm the Commission's receipt of this information by placing the Commission's date stamp on the enclosed additional copy and returning it to Big Rivers in the self-addressed, postage paid envelope provided.

I certify that on this date, a copy of this letter and a copy of the responses were served on each of the persons listed on the enclosed service list by first class mail.

Please feel free to contact me if you have any questions.

Sincerely,

Tyson Kamuf  
Corporate Attorney,  
Big Rivers Electric Corporation

Enclosures

cc: Service List  
Hon. James M. Miller

**BIG RIVERS ELECTRIC CORPORATION**

**APPLICATION OF BIG RIVERS ELECTRIC CORPORATION  
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY  
TO CONSTRUCT AND ACQUIRE A 345 kV  
TRANSMISSION LINE IN HANCOCK COUNTY, KENTUCKY  
CASE NO. 2018-00004**

**Service List**

Hon. Kent A. Chandler  
Hon. Justin M. McNeil  
Hon. Lawrence W. Cook  
Hon. Rebecca Goodman  
Assistant Attorneys General  
700 Capital Avenue  
Capital Building, Suite 20  
Frankfort, KY 40601  
[Kent.Chandler@ky.gov](mailto:Kent.Chandler@ky.gov)  
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Hon. James W Gardner  
Hon. M. Todd L. Osterloh  
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**ORIGINAL**

RECEIVED

JUN 05 2018

PUBLIC SERVICE  
COMMISSION



Your Touchstone Energy® Cooperative 

**COMMONWEALTH OF KENTUCKY**

**BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY**

**In the Matter of:**

**APPLICATION OF BIG RIVERS ELECTRIC )  
CORPORATION FOR A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO CONSTRUCT )  
AND ACQUIRE A 345 KV TRANSMISSION LINE IN )  
HANCOCK COUNTY, KENTUCKY )**

**Case No.  
2018-00004**

**Responses to Commission Staff's Second Request for Information  
dated  
May 25, 2018**

**FILED: June 5, 2018**

**ORIGINAL**

**BIG RIVERS ELECTRIC CORPORATION**

**APPLICATION OF BIG RIVERS ELECTRIC CORPORATION  
FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY  
TO CONSTRUCT AND ACQUIRE A 345 KV  
TRANSMISSION LINE IN HANCOCK COUNTY, KENTUCKY  
CASE NO. 2018-00004**

**VERIFICATION**

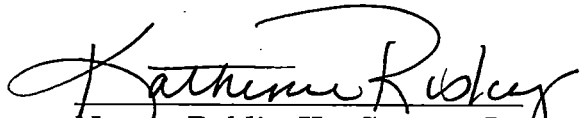
I, Michael W. (Mike) Chambliss, verify, state, and affirm that I prepared or supervised the preparation of my responses to data requests filed with this Verification, and that those responses are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



Michael W. (Mike) Chambliss

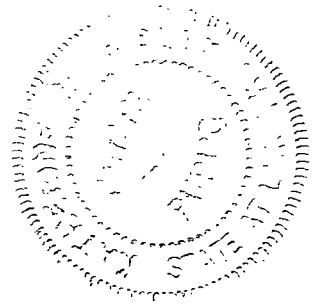
COMMONWEALTH OF KENTUCKY )  
COUNTY OF HENDERSON )

SUBSCRIBED AND SWORN TO before me by Michael W. (Mike) Chambliss on this the 4<sup>th</sup> day of June, 2018.



Notary Public, Ky. State at Large

My Commission Expires 10-31-2020



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TRANSMISSION LINE IN HANCOCK COUNTY, KENTUCKY  
CASE NO. 2018-00004**

**Response to Commission Staff's Second Request for Information  
dated May 25, 2018**

**June 5, 2018**

1 **Item 1) Refer to Big Rivers' response to Commission Staff's Initial**  
2 **Request for Information ("Staff's Initial Request"), Item 4. When does Big**  
3 **Rivers anticipate executing the Joint Functional Control Agreement?**

4

5 **Response)** Big Rivers currently does not believe that it will be necessary to execute  
6 the Joint Functional Control Agreement.

7

8

9 **Witness)** Michael W. Chambliss

10

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dated May 25, 2018**

**June 5, 2018**

1 *Item 2) Refer to Big Rivers' response to Commission Staff's Initial Request,*  
2 *Item 8, lines 16-19, regarding the MISO Selected Developer Agreement*  
3 *requirements that Big Rivers will be obligated to continue to conform to once*  
4 *it purchases the Kentucky portion of the proposed transmission project. The*  
5 *response states that "Big Rivers will be responsible for complying with NERC*  
6 *Standards relating to ratings methodology; TADS reporting: misoperation*  
7 *reporting; protection system coordination, maintenance, and testing; and*  
8 *vegetation management on the portion of the MISO Project that Big Rivers*  
9 *will own."*

10  
11 *a. Does Big Rivers currently undertake these type of responsibilities in*  
12 *maintaining its transmission system?*

13 *b. Refer also to Big Rivers' response to Staff's Initial Request, Item 22,*  
14 *regarding the \$18,000 estimated annual operating cost of the proposed*  
15 *transmission project. Does this estimated annual operating cost*  
16 *includes those responsibilities that Big Rivers will be obligated to*  
17 *assume as referenced in Big Rivers' response to Staff's Initial Request,*  
18 *item 8, lines 16-19?*

19  
20 **Response)**

21 a. Yes.

22 b. Yes.

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**June 5, 2018**

1

2

3 **Witness)** Michael W. Chambliss

4

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**June 5, 2018**

1 **Item 3)** *Refer to Big Rivers' response to Staff's Initial Request, Item 12,*  
2 *regarding benefits provided by the proposed transmission project to the Big*  
3 *Rivers' system as a whole. The response states, in part, that "[t]he proposed*  
4 *transmission project will significantly stiffen the transmission system*  
5 *against voltage excursions due to development of large blocks of static VARs*  
6 *(capacitors located at Century Aluminum, Coleman Switchyard, and*  
7 *Coleman ENV Substation)." Explain in detail what is meant by this*  
8 *statement.*

9

10 **Response)** Please note that Big Rivers' response to Item 12 states, in part  
11 (emphasis added), that "[t]he proposed transmission project will significantly stiffen  
12 the transmission system against voltage excursions due to 'deployment' of large  
13 blocks of static VARs (capacitors located at Century Aluminum, Coleman Switchyard,  
14 and Coleman EHV Substation.)

15 The Big Rivers transmission system voltage will be less impacted by the  
16 switching of large capacitor banks in the Century Aluminum, Coleman Switchyard,  
17 and Coleman EHV Substation. With the proposed transmission project installed and  
18 connected to the Big Rivers transmission system, large changes in load, or the  
19 switching of large capacitor banks, would cause smaller voltage fluctuation(s) than  
20 would otherwise be experienced without the proposed transmission project. The  
21 additional transmission connection to this area is also expected to result in a lesser  
22 need to switch the capacitor banks in and out of service. In addition to these benefits,



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1 the proposed transmission project provides the other benefits identified in the  
2 response to Staff's Initial Request, Item 12.

3

4

5 **Witness** Michael W. Chambliss

6