

Ronald M. Sullivan
Jesse T. Mountjoy
Frank Stainback
James M. Miller
Michael A. Fiorella
Allen W. Holbrook
R. Michael Sullivan
Bryan R. Reynolds
Tyson A. Kamuf
Mark W. Starnes
C. Ellsworth Mountjoy
Mary L. Moorhouse

April 27, 2012

Federal Express

Jeff D. Cline
Public Service Commission
211 Sower Blvd., P.O. Box 615
Frankfort, KY 40602-0615

Re: Big Rivers Electric Corporation

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APR 30 2012

PUBLIC SERVICE
COMMISSION

Dear Mr. Cline:

Enclosed for filing on behalf of Big Rivers Electric Corporation are two copies of its supplement to its annual Finance and Statistical Report (Annual Report) required by the Public Service Commission's Order dated October 7, 2005, in Administrative Case 387. The annual Finance and Statistical Report is being filed under separate cover. Additionally, an original and ten copies of a petition for confidential protection are enclosed. The petition seeks confidential treatment for the response to Item 11 of the annual report supplement. One sealed copy of the response to Item 11 with the confidential information highlighted and 10 copies of the response with the confidential information redacted are being filed with the petition.

Also enclosed are two extra copies of the annual report supplement and the petition for confidential treatment. I ask that you file stamp these copies and return them to me in the enclosed envelope. Please feel free to contact me with any questions.

Sincerely,



Tyson Kamuf

TAK/ej
Enclosures

cc: Albert Yockey
Roger Hickman
John Talbert
Michael Mattox
Larry Baronowsky
Glen Thweatt

1 COMMONWEALTH OF KENTUCKY
2 BEFORE THE PUBLIC SERVICE COMMISSION
3
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APR 30 2012

5 In the Matter of:
6

PUBLIC SERVICE
COMMISSION

7 A REVIEW OF THE ADEQUACY OF)
8 KENTUCKY'S GENERATION CAPACITY) ADMINISTRATIVE
9 AND TRANSMISSION SYSTEM) CASE NO. 387
10

11 **PETITION OF BIG RIVERS ELECTRIC CORPORATION FOR CONFIDENTIAL**
12 **PROTECTION**
13

14 1. Big Rivers Electric Corporation ("Big Rivers") hereby petitions the Kentucky
15 Public Service Commission ("Commission"), pursuant to 807 KAR 5:001 Section 7 and KRS
16 61.878(1)(c), to grant confidential protection to part of its response to Item 11 of the
17 supplemental information to Big Rivers' annual Financial and Statistical Report required by the
18 Commission's Orders in Administrative Case 387. The information contained in the response to
19 Item 11 that Big Rivers seeks to protect as confidential is a list of scheduled outages from 2012
20 through 2016 (the "Confidential Information").

21 2. One (1) sealed copy of the response to Item 11 with the Confidential Information
22 highlighted and ten (10) copies of the response with the Confidential Information redacted are
23 filed with this petition. 807 KAR 5:001 Sections 7(2)(a)(2), 7(2)(b).

24 3. There are no other parties who are entitled to be served with a copy of the petition
25 or a copy of the redacted response.

26 4. The Confidential Information is not publicly available, is not disseminated within
27 Big Rivers except to those employees and professionals with a legitimate business need to know
28 and act upon the information, and is not disseminated to others without a legitimate need to
29 know and act upon the information.

1 Rivers unwind transaction case, Big Rivers expects to be in the credit markets on a regular basis
2 in the future.¹

3 **II. The Confidential Information is Generally Recognized as Confidential or**
4 **Proprietary**

5
6 9. The Confidential Information for which Big Rivers seeks confidential treatment
7 under KRS 61.878(1)(c)(1) is generally recognized as confidential or proprietary under Kentucky
8 law. The Confidential Information contains a list of scheduled outages from 2012 through 2016
9 at each Big Rivers generating station and the projected duration of each of those outages.

10 10. Public disclosure of the Confidential Information will allow Big Rivers' suppliers
11 and competitors to know Big Rivers' future maintenance plans and will give them insight into
12 Big Rivers' wholesale power needs. Information about a company's detailed inner workings is
13 generally recognized as confidential or proprietary. *See, e.g., Hoy v. Kentucky Indus.*
14 *Revitalization Authority*, 907 S.W.2d 766, 768 (Ky. 1995) ("It does not take a degree in finance
15 to recognize that such information concerning the inner workings of a corporation is 'generally
16 recognized as confidential or proprietary'"). The Commission previously granted confidential
17 treatment to this type of information. *See, e.g.,* letter from the Commission dated July 20, 2010,
18 in Administrative Case No. 387 (granting confidential treatment to a list of future scheduled
19 outages that Big Rivers filed as part of the supplement to its annual report).

20 **III. Public Disclosure of the Confidential Information Would Permit an Unfair**
21 **Commercial Advantage to Big Rivers' Competitors**

22
23 11. Public disclosure of the Confidential Information would permit an unfair
24 commercial advantage to Big Rivers' competitors. As discussed above, Big Rivers faces actual

¹ See Order dated March 6, 2009, *In the Matter of: Joint Application of Big Rivers, E.ON, LG&E Energy Marketing, Inc., and Western Kentucky Energy Corporation for Approval to Unwind Lease and Power Purchase Transactions*, PSC Case No. 2007-00455, pages 27-30 and 37-39.

1 competition in the wholesale power market and in the credit market. It is likely that Big Rivers
2 would suffer competitive injury if that Confidential Information was publicly disclosed.

3 12. If the Confidential Information is publicly disclosed, Big Rivers' competitors
4 would have insight into when Big Rivers' generating plants will be down for maintenance and
5 thus know a crucial input into Big Rivers' generating costs and need for power and energy
6 during those periods. With that information, potential suppliers to Big Rivers will be able to
7 manipulate the price of power bid to Big Rivers in order to maximize their revenues, thereby
8 driving up Big Rivers' costs and impairing Big Rivers' ability to compete in the wholesale power
9 and credit markets. Additionally, Big Rivers' competitors in the wholesale power market could
10 use the information to potentially underbid Big Rivers to Big Rivers' competitive disadvantage
11 in competing for wholesale sales.

12 **IV. The Confidential Information is Entitled to Confidential Protection**

13 13. Based on the foregoing, the Confidential Information is entitled to confidential
14 protection. If the Commission disagrees that Big Rivers is entitled to confidential protection, due
15 process requires the Commission to hold an evidentiary hearing. *Utility Regulatory Com'n v.*
16 *Kentucky Water Service Co., Inc.*, 642 S.W.2d 591 (Ky. App. 1982).

17 WHEREFORE, Big Rivers respectfully requests that the Commission classify and protect
18 as confidential the Confidential Information.

19

1 On this the 27th day of April, 2012.
2
3

4 

5 _____
6 James M. Miller
7 Tyson Kamuf
8 Sullivan, Mountjoy, Stainback & Miller, P.S.C.
9 100 St. Ann Street
10 P.O. Box 727
11 Owensboro, Kentucky 42302-0727
12 (270) 926-4000

13 Counsel for Big Rivers Electric Corporation

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

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

April 30, 2012

1 Item 11) *A list that identifies scheduled out or retirements of generating*
2 *capacity during the current year and the following four years.*

3

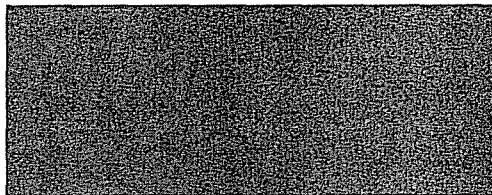
4 Response) There are no retirements of generating capacity anticipated through
5 2016. The planned maintenance outage schedule for 2012 through 2016 is being
6 provided pursuant to a Petition for Confidential Protection. The schedule is
7 regularly modified based on actual operating conditions, forced outages, changes
8 required to meet environmental regulation compliance, schedule changes required
9 to meet Big Rivers TIER requirements due to lower than expected wholesale
10 prices, and other unforeseen events that may affect unit reliability or generation
11 capacity. The scheduled outages for all units are listed below:

12

13

Wilson Unit 1

2012
2013
2014
2015
2016



14

15

16

BIG RIVERS ELECTRIC CORPORATION

SUPPLEMENTAL INFORMATION PROVIDED WITH
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PURSUANT TO ADMINISTRATIVE CASE NO. 387

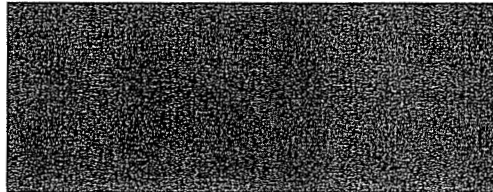
Response to Commission Staff's Information Request
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April 30, 2012

1

Green Unit 1

2012
2013
2014
2015
2016

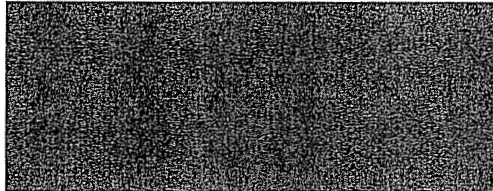


2

3

Green Unit 2

2012
2013
2014
2015
2016

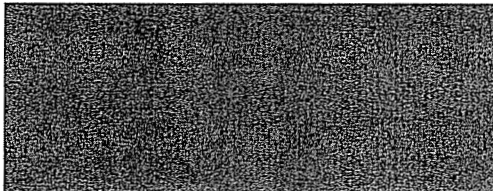


4

5

HMP&L Unit 1

2012
2013
2014
2015
2016

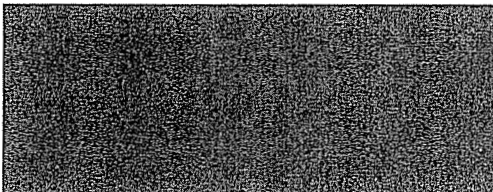


6

7

HMP&L Unit 2

2012
2013
2014
2015
2016



8

9

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BIG RIVERS ELECTRIC CORPORATION

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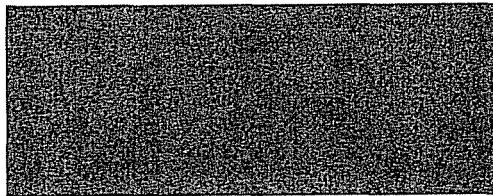
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April 30, 2012

1

Coleman Unit 1

2012
2013
2014
2015
2016

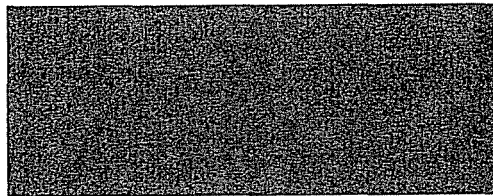


2

3

Coleman Unit 2

2012
2013
2014
2015
2016

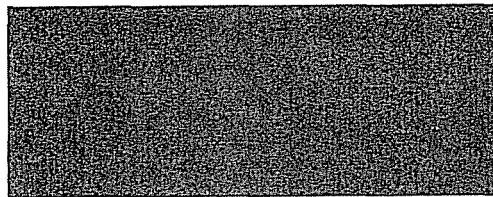


4

5

Coleman Unit 3

2012
2013
2014
2015
2016



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BIG RIVERS ELECTRIC CORPORATION

SUPPLEMENTAL INFORMATION PROVIDED WITH
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PURSUANT TO ADMINISTRATIVE CASE NO. 387

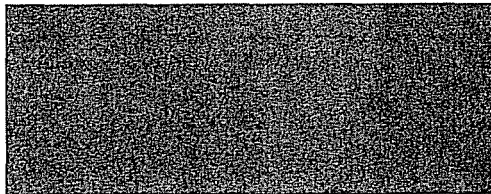
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April 30, 2012

1

Reid Unit 1

2012
2013
2014
2015
2016

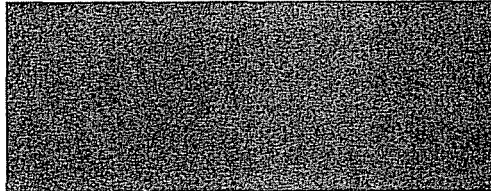


2

3

Reid Combustion Turbine

2012
2013
2014
2015
2016



4

5

6

Respondent) Lawrence V. Baronowsky

7

BIG RIVERS ELECTRIC CORPORATION

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

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

April 30, 2012

1 Item 1) *Actual and weather-normalized energy sales for the just completed*
2 *calendar year. Sales should be disaggregated into native load sales and off-system*
3 *sales. Off-system sales should be further disaggregated into full requirements*
4 *sales, firm capacity sales, and non-firm or economy energy sales. Off-system sales*
5 *should be further disaggregated to identify separately all sales where the utility*
6 *acts as a reseller, or transporter, in a power transaction between two or more*
7 *other parties.*

8

9 Response) The information originally requested in the above item of Appendix G
10 of the Commission's Order dated December 20, 2001, in Administrative Case No.
11 387, ("the December 2001 Order in Admin. Case 387") is no longer required
12 pursuant to Ordering Paragraph No. 5 of the Commission's Order dated March 29,
13 2004, amending the December 2001 Order in Admin Case 387.

14

15

16 Respondent) Michael J. Mattox

17

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

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

April 30, 2012

1 Item 2) *A summary of monthly power purchases for the just completed*
2 *calendar year. Purchases should be disaggregated into firm capacity purchases*
3 *required to serve native load, economy energy purchases, and purchases where*
4 *the utility acts as a reseller, or transporter, in a power transaction between two or*
5 *more other parties.*

6

7 Response) The information originally requested in the above item of Appendix G
8 of the December 2001 Order in Admin. Case 387 is no longer required pursuant to
9 Ordering Paragraph No. 5 of the Commission's Order dated March 29, 2004,
10 amending the December 2001 Order in Admin Case 387.

11

12

13 Witness) Michael J. Mattox

14

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

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

April 30, 2012

1 Item 3) *Actual and weather-normalized monthly coincident peak demands*
2 *for the just completed calendar year. Demands should be disaggregated into*
3
4 *a. native load demand (firm and non-firm) and*
5 *b. off-system demand (firm and non-firm).*

6
7 Response) Table 3-G shows the actual and weather normalized native load
8 demand and the off-system coincident demand for 2011. Big Rivers sells its
9 surplus power into the market and therefore the off-system sales cannot be
10 weather normalized.

11

12

13 Respondent) Michael J. Mattox

14

TABLE # 3G

BIG RIVERS ELECTRIC CORPORATION

TOTAL NATIVE LOAD & OFF-SYSTEM COINCIDENT PEAK DEMANDS (MW)

Month	Native Load		Off-System Sales	
	All Firm		Off-System Demand	
	Actual	Weather Normalized	Firm	Non-Firm
Jan-11	1344	1404	0	0
Feb-11	1374	1347	0	0
Mar-11	1252	1302	0	0
Apr-11	1242	1263	0	0
May-11	1374	1298	200	0
Jun-11	1410	1397	100	0
Jul-11	1438	1392	50	0
Aug-11	1437	1435	100	0
Sep-11	1427	1332	150	0
Oct-11	1237	1270	0	0
Nov-11	1324	1330	150	0
Dec-11	1357	1453	150	0

Note: Big Rivers sells its surplus power into the market and therefore the off-system sales cannot be weather normalized.

BIG RIVERS ELECTRIC CORPORATION

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

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

April 30, 2012

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

4

5 Response) Graph 4-G shows the monthly native load demand with the monthly
6 weather normalized native load demand for 2011. The total curve represents the
7 native load plus any actual off-system sales at the time of the native load peak.

8

9

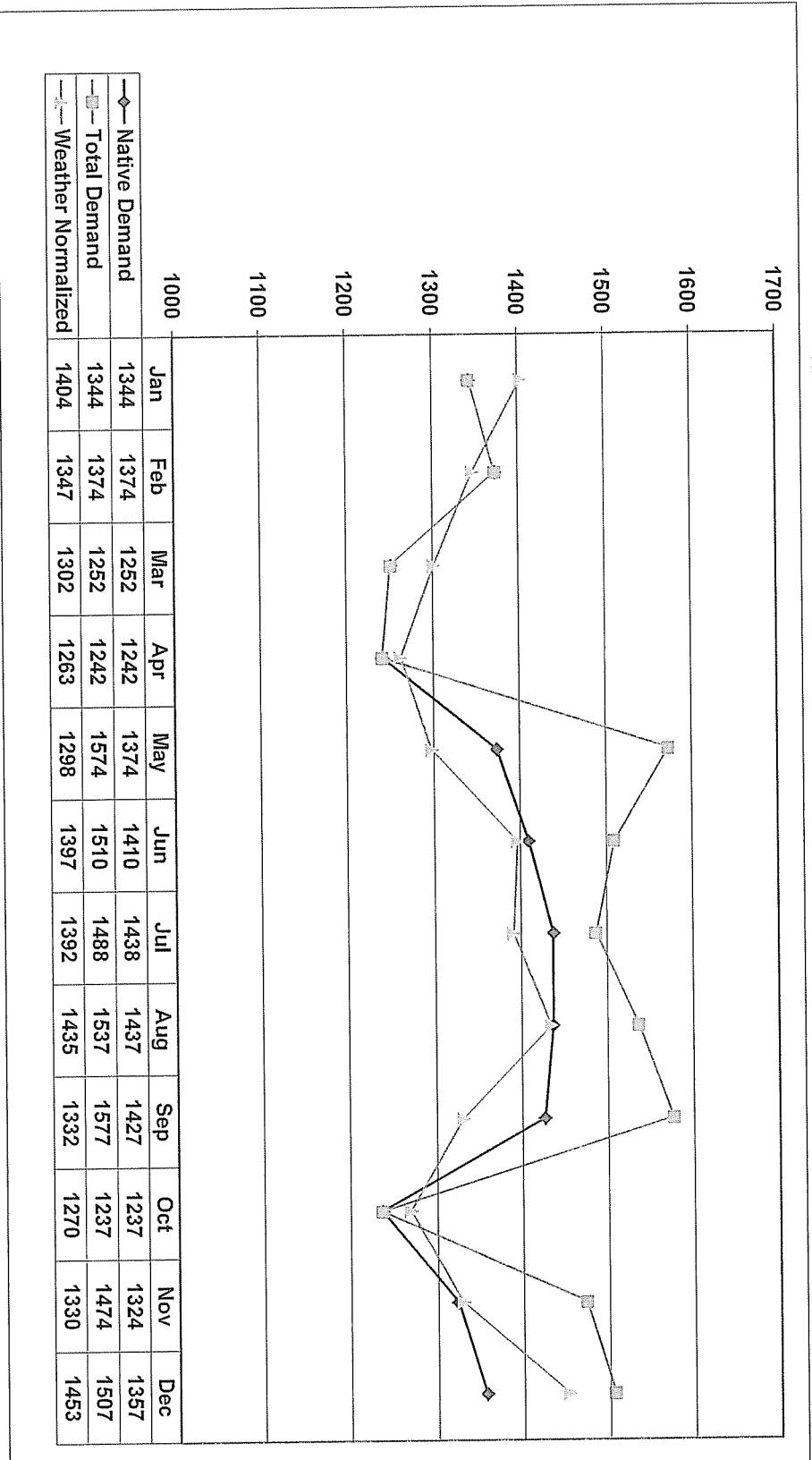
10 Respondent) Michael J. Mattox

11

Graph #4G

BIG RIVERS ELECTRIC CORPORATION

NATIVE LOAD AND TOTAL COINCIDENT PEAK DEMANDS (MW) - 2011



BIG RIVERS ELECTRIC CORPORATION

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

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

April 30, 2012

1 Item 5) *Load shape curves showing the number of hours that native load*
2 *demand exceeded these levels during the just complete calendar year:*

3

4 a. *70% of the sum of installed generating capacity plus firm capacity*
5 *purchases;*

6 b. *80% of the sum of installed generating capacity plus firm capacity*
7 *purchases;*

8 c. *90% of the sum of installed generating capacity plus firm capacity*
9 *purchases.*

10

11 Response) The information originally requested in the above item of Appendix G
12 of the December 2001 Order in Admin. Case 387 is no longer required pursuant to
13 Ordering Paragraph No. 5 of the Commission's Order dated March 29, 2004,
14 amending the December 2001 Order in Admin Case 387.

15

16

17 Respondent) Michael J. Mattox

18

BIG RIVERS ELECTRIC CORPORATION

SUPPLEMENTAL INFORMATION PROVIDED WITH
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PURSUANT TO ADMINISTRATIVE CASE NO. 387

Response to Commission Staff's Information Request
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April 30, 2012

1 Item 6) *Based on the most recent demand forecast, the base case demand*
2 *and energy forecasts and high case demand and energy forecasts for the current*
3 *year and the following four years. The information should be disaggregated into*

4

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

6 *b. Off-system load (both firm and non-firm demand).*

7

8 Response) Table 6-G tabulates the forecasted base case and high case demand
9 and energy in the associated demand breakdowns as requested. Big Rivers does
10 not have any off-system load demand.

11

12

13 Respondent) Michael J. Mattox

14

TABLE # 6G

BIG RIVERS ELECTRIC CORPORATION

**TOTAL NATIVE LOAD & OFF-SYSTEM LOADS
BASE & HIGH CASE FORECASTS**

Year	Native Load				Off-System Load Demand			
	Base Case		High Case		Base Case		High Case	
	Demand (MW)	Energy (MWh)	Demand (MW)	Energy (MWh)	FIRM Demand (MW)	NON-FIRM Demand (MW)	FIRM Demand (MW)	NON-FIRM Demand (MW)
2011	1,498	10,729,241	1,563	10,937,567	0	0	0	0
2012	1,504	10,782,940	1,571	10,952,071	0	0	0	0
2013	1,510	10,793,126	1,580	10,993,926	0	0	0	0
2014	1,517	10,827,941	1,587	11,027,539	0	0	0	0
2015	1,525	10,867,352	1,597	11,090,151	0	0	0	0

BIG RIVERS ELECTRIC CORPORATION

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

Response to Commission Staff's Information Request
as set forth in
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April 30, 2012

1 Item 7) *The target reserve margin currently used for planning purposes,*
2 *stated as a percentage of demand. If changed from what was in use in 2001,*
3 *include a detailed explanation for the change.*

4

5 Response) The current target reserve margin used for planning purposes is
6 3.79% as specified by the Midwest ISO for the upcoming planning year effective
7 June 1, 2012.

8

9

10 Respondent) Michael J. Mattox

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BIG RIVERS ELECTRIC CORPORATION

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Response to Commission Staff's Information Request
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April 30, 2012

1 Item 8) *Projected reserve margins state in megawatts and as a percentage of*
2 *demand for the current year and the following four years. Identify projected*
3 *deficits and current plans for addressing these. For each year identify the level of*
4 *firm capacity purchases projected to meet native load demand.*

5

6 Response) As shown in Table 1 below, Big Rivers is not projecting any deficits.

7

Table 1

Year	Reserve Margin (MW)	Reserve Margin (%)	Firm Capacity Purchases (MW)	Projected Deficit
2012	230	13%	178	0
2013	207	11%	178	0
2014	199	11%	178	0
2015	192	10%	178	0
2016	183	10%	178	0

8

9

10 Respondent) Michael J. Mattox

11

BIG RIVERS ELECTRIC CORPORATION

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April 30, 2012

1 Item 9) *By date and hour, identify all incidents during the just completed*
2 *calendar year when reserve margin was less than the East Central Area*
3 *Reliability Council's ("ECAR") 1.5% spinning reserve requirement. Include the*
4 *amount of capacity resources that were available, the actual demand on the*
5 *system, and the reserve margin, stated in megawatts and as a percentage of*
6 *demand. Also, identify system conditions at the time.*

7

8 Response) The information originally requested in the above item of Appendix G
9 of the December 2001 Order in Admin. Case 387 is no longer required pursuant to
10 Ordering Paragraph No. 5 of the Commission's Order dated March 29, 2004,
11 amending the December 2001 Order in Admin Case 387.

12

13

14 Respondent) Michael J. Mattox

15

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

Response to Commission Staff's Information Request
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Appendix G of the Commission's Order dated December 20, 2001

April 30, 2012

1 Item 10) *A list identifying and describing all forced outages in excess of two*
2 *hours in duration during the just completed calendar year.*

3

4 Response) The information originally requested in the above item of Appendix G
5 of the December 2001 Order in Admin. Case 387 is no longer required pursuant to
6 Ordering Paragraph No. 5 of the Commission's Order dated March 29, 2004,
7 amending the December 2001 Order in Admin Case 387.

8

9

10 Respondent) Lawrence V. Baronowsky

11

BIG RIVERS ELECTRIC CORPORATION

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1 Item 11) *A list that identifies scheduled out or retirements of generating*
2 *capacity during the current year and the following four years.*

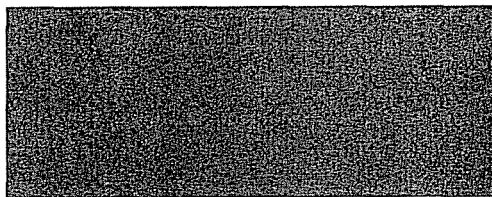
3

4 Response) There are no retirements of generating capacity anticipated through
5 2016. The planned maintenance outage schedule for 2012 through 2016 is being
6 provided pursuant to a Petition for Confidential Protection. The schedule is
7 regularly modified based on actual operating conditions, forced outages, changes
8 required to meet environmental regulation compliance, schedule changes required
9 to meet Big Rivers TIER requirements due to lower than expected wholesale
10 prices, and other unforeseen events that may affect unit reliability or generation
11 capacity. The scheduled outages for all units are listed below:

12

13 Wilson Unit 1

2012
2013
2014
2015
2016



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BIG RIVERS ELECTRIC CORPORATION

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PURSUANT TO ADMINISTRATIVE CASE NO. 387

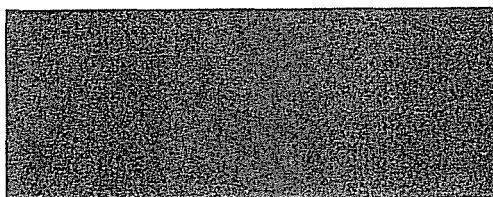
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April 30, 2012

1

Green Unit 1

2012
2013
2014
2015
2016

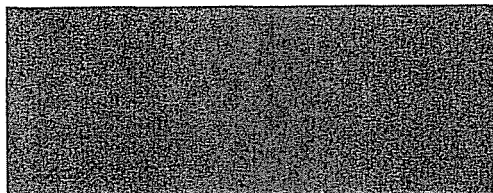


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3

Green Unit 2

2012
2013
2014
2015
2016

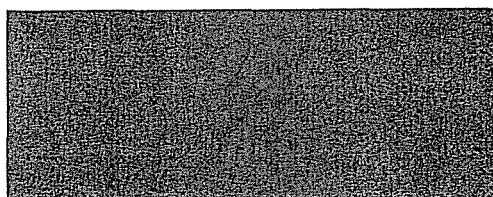


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HMP&L Unit 1

2012
2013
2014
2015
2016

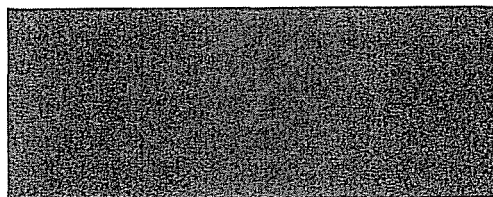


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HMP&L Unit 2

2012
2013
2014
2015
2016



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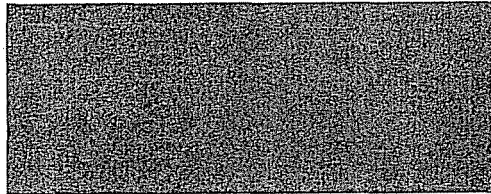
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April 30, 2012

1

Coleman Unit 1

2012
2013
2014
2015
2016

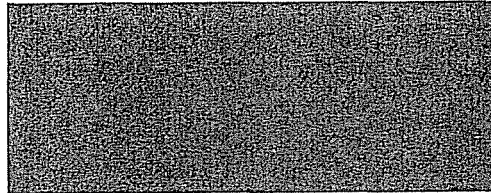


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3

Coleman Unit 2

2012
2013
2014
2015
2016

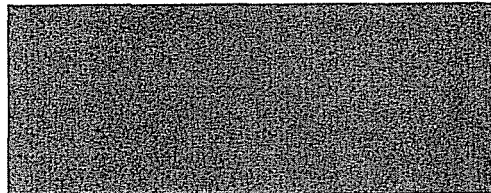


4

5

Coleman Unit 3

2012
2013
2014
2015
2016



6

7

8

BIG RIVERS ELECTRIC CORPORATION

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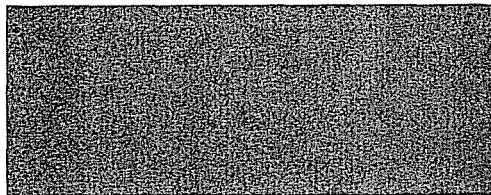
Response to Commission Staff's Information Request
as set forth in
Appendix G of the Commission's Order dated December 20, 2001

April 30, 2012

1

Reid Unit 1

2012
2013
2014
2015
2016

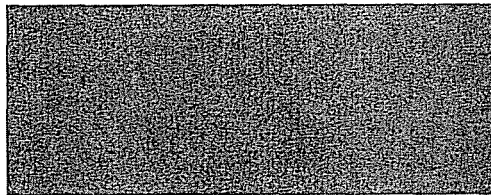


2

3

Reid Combustion Turbine

2012
2013
2014
2015
2016



4

5

6

Respondent) Lawrence V. Baronowsky

7

BIG RIVERS ELECTRIC CORPORATION
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Response to Commission Staff's Information Request
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April 30, 2012

1 Item 12) *Identify all planned base load or peaking capacity additions to meet*
2 *native load requirements over the next 10 years. Show the expected in-service*
3 *date, size, and site for all planned additions. Include additions planned by the*
4 *utility, as well as those by affiliates, if constructed in Kentucky or intended to*
5 *meet load in Kentucky.*

6

7 Response) Big Rivers presently has no plans to make base load or peaking
8 capacity additions to meet native load requirements for the years 2012 through
9 2021.

10

11

12 Respondent) Michael J. Mattox

13

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Response to Commission Staff's Information Request
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April 30, 2012

1 Item 13) *The following transmission energy data for the just completed*
2 *calendar year and the forecast for the current year and the following four years:*

3

4 a. *Total energy received from all interconnections and generation*
5 *sources connected to the transmission system;*

6 b. *Total energy delivered to all interconnections on the transmission*
7 *system;*

8 c. *Peak load capacity of the transmission system; and*

9 d. *Peak demand for summer and winter seasons on the transmission*
10 *system.*

11

12 Response)

13

a.

Transmission System Energy Received (MWh)

	<u>Generation</u>	<u>Interconnections</u>	<u>Total</u>
2011	12,487,098	3,019,359	15,506,457

Projected System Energy Received (MWh)

2012	16,000,000
2013	16,000,000
2014	16,000,000
2015	16,000,000
2016	16,000,000

14

15

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1

b.

Transmission System Energy Delivered at Interconnections
(MWh)

	<u>Total</u>
2011	3,003,489

Projected System Energy Delivered at Interconnection
(MWh)

2012	6,000,000
2013	6,000,000
2014	6,000,000
2015	6,000,000
2016	6,000,000

2

3

c.

Transmission Peak Capacity (MW)
2011 2,435

Projected Transmission Peak Capacity (MW)

2012	2,903
2013	2,903
2014	2,903
2015	2,903
2016	2,903

4

5

6

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1 d.

Transmission System Peak Demand (MW)

	<u>Winter</u>	<u>Summer</u>
2011	1,377	1,488

Projected System Peak Demand (MW)

	<u>Winter</u>	<u>Summer</u>
2012	1,515	1,508
2013	1,522	1,515
2014	1,530	1,523
2015	1,537	1,529
2016	1,546	1,537

2

3

4

5 Respondent) Glen D. Thweatt

BIG RIVERS ELECTRIC CORPORATION

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April 30, 2012

1 Item 14) *Identify all planned transmission capacity additions for the next ten*
2 *years. Include the expected in-service date, size and site for all planned additions*
3 *and identify the transmission need each addition is intended to address.*

4

5 Response) Attached hereto is a listing of Big Rivers' Transmission Capacity
6 Additions for 2012 through 2021.

7

8

9 Respondent) Glen D. Thweatt

10

Big Rivers Electric Corporation
 Administrative Case No. 2000-00387
 Transmission Capacity Additions – 2012-2021

Project Description

Notes

Year: 2012

Hancock Capacitor Bank Addition
 Re-conductor Wilson tie – Paradise 161 kV Line (8miles)
 Wilson To Hardinsburg – Paradise 161 kV line (13 miles)
 Wilson 161 kV line Terminal
 Co-op Substation 69 kV Line (3 miles)
 Wilson Substation 161/69 kV 50 MVA TX Addition
 Wilson – Centertown 69 kV Line Addition (6 miles)
 Re-Conductor Meade Co. –Garrett 336 MCM (8.5 miles)

Up-grading infrastructure to meet system load growth
 Increase off-system import/export capability
 Increase off-system import/export capability
 Increase off-system import/export capability
 Member Substation tap line and metering
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth

Year: 2013

White Oak Substation & Transmission Line Additions (50MVA)
 Co-op Substation 69 kV Line (3 miles)
 Upgrade Pleasant Ridge to Centertown 69 kV Line (15.9 miles)
 Garrett to Flaherty Tap 69 kV Line Addition (3 miles)
 Reid EHV 345 kV Line Terminal Addition

Up-grading infrastructure to meet system load growth
 Member Substation tap line and metering
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Increase off-system import/export capability

Year: 2014

Co-op Substation 69 kV Line (2 miles)
 Sebree Capacitor Bank
 Cumberland – Caldwell Springs 69 kV line (10 miles)

Member Substation tap line and metering
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth

Big Rivers Electric Corporation
 Administrative Case No. 2000-00387
 Transmission Capacity Additions – 2012-2021

<u>Project Description</u>	<u>Notes</u>
Year: 2015	
Co-op Substation 69 kV Line (2miles)	Member Substation tap line and metering
Corydon 161/69 kV Substation (50 MVA)	New Substation to meet system load growth
HMP&L #4 161 kV Line Terminal	Transmission Line to connect new Substation
Corydon-HMP&L #4 161 kV Line (9 miles)	Transmission Line to connect new Substation
Paradise 161 kV line Terminal Upgrade	Increase off-system import/export capability
Year: 2016	
Co-op Substation 69 kV Line (2 miles)	Member Substation tap line and metering
Bryan Road – Husband Rd. Tap Re-conductor 336 MCM (1m)	Up-grading infrastructure to meet system load growth
Year: 2017	
Co-op Substation 69 kV Line (2 miles)	Member Substation tap line and metering
Re-Conductor Reid – Niagara with 336 MCM (6 miles)	Up-grading infrastructure to meet system load growth
Re-Conductor Rome Jct.-W. Owensboro with 336 MCM(4.9 miles)	Up-grading infrastructure to meet system load growth
Hardinsburg Transformer Upgrades (100 MVA)	Up-grading infrastructure to meet system load growth

Big Rivers Electric Corporation
Administrative Case No. 2000-00387
Transmission Capacity Additions – 2012-2021

Year: 2018

Re-Conductor Henderson Co. – Zion Tap with 556 MCM (1.6 miles)	Up-grading infrastructure to meet system load growth
Re-Conductor Zion Tap - Wolf Hills Tap 556 MCM (1.2 miles)	Up-grading infrastructure to meet system load growth
Co-op Substation 69 kV line (2 miles)	Member Substation tap line and metering
Re-Conductor Corydon-Geneva to 336 MCM (6.1 miles)	Up-grading infrastructure to meet system load growth

Year: 2019

Wilson – Sacramento 69 kV Line (10.9 miles)	Up-grading infrastructure to meet system load growth
Re-Conductor Thruston Jct.-E. Owensboro with 336 MCM (3.5 miles)	Up-grading infrastructure to meet system load growth
Re-Conductor Daviess Co. Philpot Tap with 336 MCM (9.9 miles)	Up-grading infrastructure to meet system load growth
Custer Substation and Transmission Line Additions (50 MVA)	Up-grading infrastructure to meet system load growth

Year: 2020

Olivet Ch Tap To Olivet Ch Rd 69 kV with 336 MCM (1.4 miles)	Up-grading infrastructure to meet system load growth
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Year: 2021

None identified as this time.