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September 2, 2014

Mr. Jeff Derouen
Executive Director
Public Service Commission
211 Sower Boulevard, P.O. Box 615
Frankfort, Kentucky 40602-0615

RECEIVED

SEP 02 2014

PUBLIC SERVICE
COMMISSION

Re: In the Matter of: 2014 Integrated Resource Plan of Big Rivers Electric Corporation, P.S.C. Case No. 2014-00166

Dear Mr. Derouen:

In the Public Service Commission's August 26, 2014, order in the above-referenced matter, the Commission granted in part and denied in part Big Rivers Electric Corporation's petition for confidential treatment with respect to three appendices to Big Rivers' 2014 Integrated Resource Plan. That order directed Big Rivers to re-file the three appendices to reflect the redaction of information determined in the order to be confidential and to reflect as unredacted information for which the order denied confidential treatment.

Enclosed is one (1) hardcopy of the revised confidential pages from Appendices F and G, with the confidential information highlighted with transparent ink, and one (1) electronic copy of the revised confidential pages from Appendix H on a confidential CD. Also enclosed are an original and ten (10) copies of (i) a hardcopy, redacted version of revised Appendices F and G, (ii) a CD containing an electronic, redacted version of revised Appendix H, and (iii) a motion for deviation seeking leave to file the electronic and redacted versions of revised Appendix H in electronic format.

I certify that on this date, a copy of this letter and a copy of each of the public enclosures were served on each of the persons listed on the attached service list by first-class mail, and a copy of each of the confidential enclosures was served by first-class mail on each of the persons listed on the attached service list who have signed a confidentiality agreement with Big Rivers.

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Please feel free to give me a call if you have any questions.

Sincerely,



Tyson Kamuf

TAK/lm
Enclosures

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Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2013	2014	2015	2016	2017	2018	2019	2020
K.C. Coleman	1 Capacity	(MW)	146	146	146	146	146	146	146	146
	Unplanned Outage Rate	(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
	Maintenance Requirements	(Days)	0	0	0	39	0	0	49	0
	Availability	(%)	93.00%	93.00%	93.00%	82.32%	93.00%	93.00%	79.58%	93.00%
	Fuel Cost	(\$/MMBtu)	2.50							
	Variable O&M	(\$/MWh)	1.04							
	Generation	(GWh)	759.08	916.09	736.77	1,052.85	1,188.89	1,189.43	1,029.76	1,192.69
	Average Variable Cost	(\$/MWh)	29.50							
	Total Production Cost	(\$/MWh)	29.50							
	K.C. Coleman	2 Capacity	(MW)	146	146	146	146	146	146	146
Unplanned Outage Rate		(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
Maintenance Requirements		(Days)	0	0	25	0	0	49	0	0
Availability		(%)	93.00%	93.00%	86.15%	93.00%	93.00%	79.58%	93.00%	93.00%
Fuel Cost		(\$/MMBtu)	2.50							
Variable O&M		(\$/MWh)	1.04							
Generation		(GWh)	668.75	793.71	602.26	1,108.74	1,158.40	1,029.40	1,189.43	1,192.69
Average Variable Cost		(\$/MWh)	30.12							
Total Production Cost		(\$/MWh)	30.12							
K.C. Coleman		3 Capacity	(MW)	151	151	151	151	151	151	151
	Unplanned Outage Rate	(%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
	Maintenance Requirements	(Days)	0	51	0	0	28	0	0	25
	Availability	(%)	92.00%	78.03%	92.00%	92.00%	84.33%	92.00%	92.00%	85.15%
	Fuel Cost	(\$/MMBtu)	2.50							
	Variable O&M	(\$/MWh)	1.04							
	Generation	(GWh)	824.14	821.24	812.45	1,169.82	1,096.79	1,214.49	1,216.89	1,136.92
	Average Variable Cost	(\$/MWh)	29.46							
	Total Production Cost	(\$/MWh)	29.46							

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2013	2014	2015	2016	2017	2018	2019	2020
R.D. Green	1 Capacity	(MW)	231	231	231	231	231	231	231	231
	Unplanned Outage Rate	(%)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
	Maintenance Requirements	(Days)	0	24	0	54	0	21	0	21
	Availability	(%)	96.75%	90.17%	96.75%	81.96%	96.75%	91.00%	96.75%	91.00%
	Fuel Cost	(\$/MMBtu)	2.12							
	Variable O&M	(\$/MWh)	4.25							
	Generation	(GWh)	1,957.79	1,829.06	1,934.92	1,425.65	1,812.26	1,808.04	1,927.29	1,850.52
	Average Variable Cost	(\$/MWh)	27.25							
	Total Production Cost	(\$/MWh)	27.25							
R.D. Green	2 Capacity	(MW)	223	223	223	223	223	223	223	223
	Unplanned Outage Rate	(%)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
	Maintenance Requirements	(Days)	0	0	21	0	21	0	54	0
	Availability	(%)	96.75%	96.75%	91.00%	96.75%	91.00%	96.75%	81.96%	96.75%
	Fuel Cost	(\$/MMBtu)	2.12							
	Variable O&M	(\$/MWh)	4.25							
	Generation	(GWh)	1,889.99	1,889.99	1,697.02	1,568.72	1,568.61	1,768.44	1,497.53	1,615.50
	Average Variable Cost	(\$/MWh)	-							
	Total Production Cost	(\$/MWh)	-							
Henderson 2	1 Capacity	(MW)	153	153	153	153	153	153	153	153
	Unplanned Outage Rate	(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
	Maintenance Requirements	(Days)	0	21	0	25	0	49	0	21
	Availability	(%)	93.00%	87.25%	93.00%	86.15%	93.00%	79.58%	93.00%	87.25%
	Fuel Cost	(\$/MMBtu)	2.30							
	Variable O&M	(\$/MWh)	3.97							
	Generation	(GWh)	1,091.15	1,049.85	1,193.30	1,110.30	1,146.38	1,013.03	1,169.83	1,178.16
	Average Variable Cost	(\$/MWh)	28.82							
	Total Production Cost	(\$/MWh)	28.82							

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2013	2014	2015	2016	2017	2018	2019	2020
Henderson 2	2 Capacity	(MW)	159	159	159	159	159	159	159	159
	Unplanned Outage Rate	(%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
	Maintenance Requirements	(Days)	0	0	21	0	21	0	28	0
	Availability	(%)	92.00%	92.00%	86.25%	92.00%	86.25%	92.00%	84.33%	92.00%
	Fuel Cost	(\$/MMBtu)	2.30							
	Variable O&M	(\$/MWh)	3.97							
	Generation	(GWh)	1,075.72	1,101.72	1,120.17	1,197.01	1,073.87	1,163.82	1,078.89	1,284.92
	Average Variable Cost	(\$/MWh)	28.83							
	Total Production Cost	(\$/MWh)	28.83							
	R.A. Reid	1 Capacity	(MW)	45	45	45	45	45	45	45
Unplanned Outage Rate		(%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Maintenance Requirements		(Days)	0	0	0	0	0	49	0	21
Availability		(%)	90.00%	90.00%	90.00%	90.00%	90.00%	76.58%	90.00%	84.25%
Fuel Cost		(\$/MMBtu)	2.47							
Variable O&M		(\$/MWh)	-							
Generation		(GWh)	47.68	82.00	46.60	86.31	112.90	116.31	140.18	118.13
Average Variable Cost		(\$/MWh)	33.60							
Total Production Cost		(\$/MWh)	33.60							
R.A. Reid CT		Capacity	(MW)	65	65	65	65	65	65	65
	Unplanned Outage Rate	(%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
	Maintenance Requirements	(Days)								
	Availability	(%)	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%
	Fuel Cost	(\$/MMBtu)	5.40							
	Variable O&M	(\$/MWh)	-							
	Generation	(GWh)	52.20	92.99	83.31	150.54	190.72	230.56	238.00	219.39
	Average Variable Cost	(\$/MWh)	67.57							
	Total Production Cost	(\$/MWh)	67.57							

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2013	2014	2015	2016	2017	2018	2019	2020
D.B. Wilson	1 Capacity	(MW)	417	417	417	417	417	417	417	417
	Unplanned Outage Rate	(%)	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	Maintenance Requirements	(Days)	0	42	0	21	0	49	0	28
	Availability	(%)	95.00%	83.49%	95.00%	89.25%	95.00%	81.58%	95.00%	87.33%
	Fuel Cost	(\$/MMBtu)	2.20							
	Variable O&M	(\$/MWh)	2.57							
	Generation	(GWh)	3,265.16	3,004.22	3,470.24	3,280.12	3,470.27	3,004.40	3,470.27	3,213.57
	Average Variable Cost	(\$/MWh)	25.58							
	Total Production Cost	(\$/MWh)	25.58							

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2021	2022	2023	2024	2025	2026	2027	2028
K.C. Coleman	1 Capacity	(MW)	146	146	146	146	146	146	146	146
	Unplanned Outage Rate	(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
	Maintenance Requirements	(Days)	0	28	0	0	28	0	0	49
	Availability	(%)	93.00%	85.33%	93.00%	93.00%	85.33%	93.00%	93.00%	79.58%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,189.43	1,098.19	1,189.43	1,192.69	1,098.19	1,189.43	1,189.43	1,033.01
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								
K.C. Coleman	2 Capacity	(MW)	146	146	146	146	146	146	146	146
	Unplanned Outage Rate	(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
	Maintenance Requirements	(Days)	25	0	0	28	0	0	49	0
	Availability	(%)	86.15%	93.00%	93.00%	85.33%	93.00%	93.00%	79.58%	93.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,107.96	1,189.43	1,189.43	1,101.45	1,189.43	1,189.43	1,029.76	1,192.69
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								
K.C. Coleman	3 Capacity	(MW)	151	151	151	151	151	151	151	151
	Unplanned Outage Rate	(%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
	Maintenance Requirements	(Days)	0	0	49	0	0	28	0	0
	Availability	(%)	92.00%	92.00%	78.58%	92.00%	92.00%	84.33%	92.00%	92.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,216.94	1,216.94	1,053.57	1,220.27	1,216.94	1,123.58	1,216.94	1,220.27
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								

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2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2021	2022	2023	2024	2025	2026	2027	2028
R.D. Green	1 Capacity	(MW)	231	231	231	231	231	231	231	231
	Unplanned Outage Rate	(%)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
	Maintenance Requirements	(Days)	0	21	0	54	0	21	0	21
	Availability	(%)	96.75%	91.00%	96.75%	81.96%	96.75%	91.00%	96.75%	91.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,957.79	1,845.15	1,957.79	1,673.51	1,957.79	1,845.15	1,930.88	1,850.52
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								
R.D. Green	2 Capacity	(MW)	223	223	223	223	223	223	223	223
	Unplanned Outage Rate	(%)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
	Maintenance Requirements	(Days)	21	0	22	0	21	0	54	0
	Availability	(%)	91.00%	96.75%	90.72%	96.75%	91.00%	96.75%	81.96%	96.75%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,497.23	1,605.99	1,486.22	1,619.79	1,497.34	1,603.58	1,333.63	1,596.66
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								
Henderson 2	1 Capacity	(MW)	153	153	153	153	153	153	153	153
	Unplanned Outage Rate	(%)	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%	7.00%
	Maintenance Requirements	(Days)	28	21	0	21	0	49	0	0
	Availability	(%)	85.33%	87.25%	93.00%	87.25%	93.00%	79.58%	93.00%	93.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,150.84	1,174.75	1,246.46	1,178.16	1,246.46	1,079.13	1,246.46	1,246.46
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								

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Appendix F - Unit Costs and Parameters

Plant	Unit		2021	2022	2023	2024	2025	2026	2027	2028
Henderson 2	2 Capacity	(MW)	159	159	159	159	159	159	159	159
	Unplanned Outage Rate	(%)	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
	Maintenance Requirements	(Days)	49	0	21	0	21	0	21	0
	Availability	(%)	78.58%	92.00%	86.25%	92.00%	86.25%	92.00%	86.25%	92.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	1,109.39	1,281.41	1,207.69	1,284.92	1,207.69	1,281.41	1,207.69	1,284.92
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								
	R.A. Reid	1 Capacity	(MW)	45	45	45	45	45	45	45
Unplanned Outage Rate		(%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Maintenance Requirements		(Days)	0	21	0	21	0	21	0	21
Availability		(%)	90.00%	84.25%	90.00%	84.25%	90.00%	84.25%	90.00%	84.25%
Fuel Cost		(\$/MMBtu)								
Variable O&M		(\$/MWh)								
Generation		(GWh)	121.55	115.73	121.33	114.97	123.77	110.15	117.20	112.12
Average Variable Cost		(\$/MWh)								
Total Production Cost		(\$/MWh)								
R.A. Reid CT		Capacity	(MW)	65	65	65	65	65	65	65
	Unplanned Outage Rate	(%)	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
	Maintenance Requirements	(Days)								
	Availability	(%)	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%	90.00%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	214.22	214.70	213.67	215.69	217.64	207.49	207.31	209.69
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix F - Unit Costs and Parameters

Plant	Unit		2021	2022	2023	2024	2025	2026	2027	2028
D.B. Wilson	1 Capacity	(MW)	417	417	417	417	417	417	417	417
	Unplanned Outage Rate	(%)	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	Maintenance Requirements	(Days)	0	28	0	35	0	49	0	28
	Availability	(%)	95.00%	87.33%	95.00%	85.41%	95.00%	81.58%	95.00%	87.33%
	Fuel Cost	(\$/MMBtu)								
	Variable O&M	(\$/MWh)								
	Generation	(GWh)	3,470.27	3,204.06	3,470.27	3,147.02	3,470.27	3,004.40	3,470.27	3,213.57
	Average Variable Cost	(\$/MWh)								
	Total Production Cost	(\$/MWh)								

Big Rivers Electric Corporation
2014 Integrated Resource Plan
Appendix G - Market Energy Prices

(\$/MWH)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
JANUARY															
FEBRUARY															
MARCH															
APRIL															
MAY															
JUNE															
JULY															
AUGUST															
SEPTEMBER															
OCTOBER															
NOVEMBER															
DECEMBER															