



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

February 18, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

FEB 19 2010

PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on January 2010 kWh and cost data, to be applied to invoices for February 2010 service that will be billed early March 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

RECEIVED  
FEB 19 2010  
FINANCIAL A&A

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = January 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$18,954,941}{948,038,699 \text{ KWH}} = (+) \$ 0.019994 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

$$\text{FAC Factor (1)} = \underline{\underline{\$ 0.009274 / \text{KWH}}}$$

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: March 1, 2010

Submitted by Mark O'Hara 2/18/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = January 2010

<u>(A) Company Generation</u>		
Coal Burned	(+)	\$ 18,680,981
Pet Coke Burned	(+)	1,455,764
Oil Burned	(+)	610,928
Gas Burned	(+)	33,345
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	901,359
Fuel (substitute cost for Forced Outage)	(-)	643,310
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	23,562
Fuel (Domtar back up / imbalance generation)	(-)	4,805
SUB-TOTAL		<u>\$ 21,010,700</u>
<u>(B) Purchases</u>		
Net energy cost - economy purchases	(+)	\$ 553,038
Identifiable fuel cost - other purchases	(+)	399,917
Identifiable fuel cost - Forced Outage purchases	(+)	937,518
Identifiable fuel cost (substitute for Forced Outage)	(-)	937,518
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	299,757
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL		<u>\$ 653,198</u>
<u>(C) Inter-System Sales</u>		
Including Interchange-out	(+)	\$ 2,298,612
SUB-TOTAL		<u>\$ 2,298,612</u>
<u>(D) Over or (Under) Recovery</u>		
From Page 4, Line 13		\$ 410,345
TOTAL FUEL RECOVERY (A+B-C-D) =		<u><u>\$ 18,954,941</u></u>

## BIG RIVERS ELECTRIC CORPORATION

### SALES SCHEDULE (KWH)

Expense Month = January 2010

(A) Generation (Net)	(+)	1,004,555,171
Purchases including interchange-in	(+)	<u>374,506,000</u>
SUB-TOTAL		<u><u>1,379,061,171</u></u>
(B) Inter-system Sales including interchange-out	(+)	408,238,630
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	1,122,954
Back-up and Energy Imbalance Sales Domtar	(+)	7,539,022
System Losses	(+)	<u>14,121,866</u>
SUB-TOTAL		<u><u>431,022,472</u></u>
TOTAL SALES (A-B)		<u><u>948,038,699</u></u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = January 2010

1.	Last FAC Rate Billed		0.011554
2.	KWH Billed at Above Rate		<u>948,038,699</u>
3.	FAC Revenue/(Refund)	** (Line 1 x Line 2)	<u>\$ 10,953,639</u>
4.	KWH Used to Determine Last FAC Rate		912,523,308
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>912,523,308</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 10,543,294</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 410,345</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>948,038,699</u>
11.	Kentucky Jurisdictional Sales		<u>948,038,699</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 410,345</u>
			To Page 2, Line D

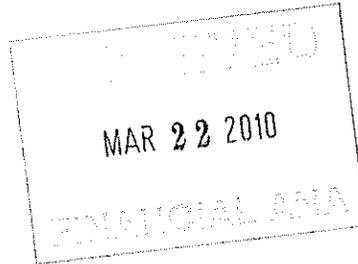
\*\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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March 19, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601



**RECEIVED**  
MAR 22 2010  
PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on February 2010 kWh and cost data, to be applied to invoices for March 2010 service that will be billed early April 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

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**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = February 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)} \quad \$18,694,320}{\text{Sales "Sm" (Sales Schedule)} \quad 860,231,564 \text{ KWH}} = (+) \$ 0.021732 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.011012 / KWH

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: April 1, 2010

Submitted by Mark Q. Hite 3/19/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = February 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	18,360,869
Pet Coke Burned	(+)	1,433,027
Oil Burned	(+)	242,499
Gas Burned	(+)	7,359
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	207,421
Fuel (substitute cost for Forced Outage)	(-)	162,884
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	11,106
Fuel (Domtar back up / imbalance generation)	(-)	476
SUB-TOTAL	\$	<u>20,076,709</u>
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	760,412
Identifiable fuel cost - other purchases	(+)	47,879
Identifiable fuel cost - Forced Outage purchases	(+)	127,411
Identifiable fuel cost (substitute for Forced Outage)	(-)	127,411
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up/Armstrong Dock Imbalance	(-)	2,268
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL	\$	<u>806,023</u>
<b>(C) Inter-System Sales</b>		
Including Interchange-out	(+) \$	3,427,456
SUB-TOTAL	\$	<u>3,427,456</u>
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	(1,239,044)
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	<u>\$</u>	<u><u>18,694,320</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = February 2010

(A) Generation (Net)	(+)	970,547,275
Purchases including interchange-in	(+)	60,610,000
SUB-TOTAL		<u>1,031,157,275</u>
(B) Inter-system Sales including interchange-out	(+)	157,126,500
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	530,423
Back-up and Energy Imbalance Sales Domtar	(+)	22,718
System Losses	(+)	13,246,070
SUB-TOTAL		<u>170,925,711</u>
TOTAL SALES (A-B)		<u>860,231,564</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = February 2010

1	Last FAC Rate Billed		0 009274
2	KWH Billed at Above Rate		<u>860,231,564</u>
3	FAC Revenue/(Refund)	** (Line 1 x Line 2)	<u>\$ 7,977,788</u>
4	KWH Used to Determine Last FAC Rate		948,038,699
5	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>948,038,699</u>
7	Revised FAC Rate Billed. If prior period adjustment is needed (See Note 1)		0 009722
8	Recoverable FAC Revenue/(Refund)	(Line 7 x Line 6)	<u>\$ 9,216,832</u>
9	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ (1,239,044)</u>
10	Total Sales "Sm" (From Page 3 of 4)		<u>860,231,564</u>
11	Kentucky Jurisdictional Sales		<u>860,231,564</u>
12	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ (1,239,044)</u>

To Page 2. Line D

\*\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due

Note 1: The changes reflected on Line 7 consist of fuel cost adjustments to the January 2010 filing and third party transmission losses not included on previous filings (See attached Comparative Analysis).

Line 7 Revised FAC Rate Calculation:

Total Adjustment from attached Comparative Analysis	\$	424,256
Line 4 (kWh used to determine last FAC rate)	+	<u>948,038,699 kWh</u>
Prior period adjustment	=	<u>0.000448</u>
Line 1 (Last FAC rate billed)	+	<u>0.009274</u>
Line 7 (Revised FAC Rate)	=	<u><u>0.009722</u></u>

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE  
COMPARATIVE ANALYSIS**

	Revised	Original	Difference
(A) <u>Company Generation - Note 1</u>			
Coal Burned	(+)	\$ 19,480,346	(+)
Pet Coke Burned	(+)	\$18,680,981	\$799,365
Oil Burned	(+)	1,449,281	(+)
Gas Burned	(+)	1,455,764	(6,483)
Propane Burned	(+)	555,348	(+)
Fuel (assigned cost during Forced Outage)	(+)	610,928	(55,580)
Fuel (substitute cost for Forced Outage)	(+)	33,345	(+)
Fuel (Supplemental and Back-Up energy to Smelters)	(+)	-	(+)
Fuel (Domtar back up / imbalance generation)	(+)	900,066	(+)
SUB-TOTAL	(-)	24,397	(-)
	(-)	4,976	(-)
	\$	21,739,195	\$
	\$	21,010,700	\$
			\$ 728,495
(B) <u>Purchases</u>			
Net energy cost - economy purchases	(+)	\$ 553,038	(+)
Identifiable fuel cost - other purchases - Note 1	(+)	\$553,038	\$0
Identifiable fuel cost - Forced Outage purchases	(+)	402,703	(+)
Identifiable fuel cost (substitute for Forced Outage)	(+)	399,917	2,786
Less Purchases for Supplemental and Back-Up energy to Smelters)	(+)	937,518	(+)
Less Purchases for Domtar back up	(-)	937,518	(-)
Less Purchases Above Highest Cost Units	(-)	937,518	(-)
SUB-TOTAL	(-)	-	(-)
	(-)	299,757	(-)
	(-)	-	(-)
	\$	655,984	\$
	\$	653,198	\$
			\$ 2,786
(C) <u>Inter-System Sales</u>			
3rd Party line losses for Intersystem Sales 7/17/09 - 12/31/09 - Note 2	(+)	\$ 225,518	(+)
Including Interchange-out	(+)	-	\$
SUB-TOTAL	(+)	2,380,119	(+)
	(+)	2,298,612	\$225,518
	\$	2,605,637	\$
	\$	2,298,612	\$307,025
(D) <u>Over or (Under) Recovery</u>			
From Page 4, Line 13	\$	410,345	\$
	\$	410,345	\$0
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	<u>\$</u>	<u>19,379,197</u>	<u>\$</u>
	<u>\$</u>	<u>18,954,941</u>	<u>\$</u>
			<u>424,256</u>

Note 1 - Company Generation for the January 2010 expense month was revised to adjust for fuel burned amounts at Green and HMP&L Station facilities that were inadvertently misstated as follows:

<u>Green facilities</u>	
Coal Burned (understated)	\$799,365
Pet Coke Burned (overstated)	(6,483)
Oil Burned (overstated)	(96,024)
<u>HMP&amp;L Station Two:</u>	
Oil Burned (understated)	40,444
Net Increase in fuel costs	\$737,302

In addition, the above fuel burned adjustments to Green and HMP&L Station facilities resulted in changes to the system fuel averages used in calculating the generation based forced outage and back-up amounts, as well as, interchange-out and certain power purchase amounts. The fuel cost impact of the changes to the system fuel averages are reflected in the analysis above.

Note 2 - Third party transmission line losses for the period of 7/17/09 - 12/31/09 were not deducted on previous FAC filings. The losses consist of the following:

7/17/09-7/31/09	\$21,279.64
8/1/09-8/31/09	39,712.37
9/1/09-9/30/09	51,337.81
10/1/09-10/31/09	38,449.67
11/1/09-11/30/09	25,860.00
12/1/09-12/31/09	48,878.41
Total Losses	\$225,517.90



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April 20, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

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APR 21 2010  
PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on March 2010 kWh and cost data, to be applied to invoices for April 2010 service that will be billed early May 2010.

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Sincerely,

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RECEIVED  
APR 21 2010  
FINANCIAL ANA  
Your Touchstone Energy Cooperative



**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = March 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$17,060,564}{872,078,048 \text{ KWH}} = (+) \$ 0.019563 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.008843 / KWH

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: May 1, 2010

Submitted by Mark Q. Hite 4/20/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = March 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	17,681,600
Pet Coke Burned	(+)	1,549,333
Oil Burned	(+)	240,232
Gas Burned	(+)	48,598
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	604,607
Fuel (substitute cost for Forced Outage)	(-)	308,782
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	6,720
Fuel (Domtar back up / imbalance generation)	(-)	11,048
SUB-TOTAL	\$	19,797,820
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	494,721
Identifiable fuel cost - other purchases	(+)	84,925
Identifiable fuel cost - Forced Outage purchases	(+)	238,553
Identifiable fuel cost (substitute for Forced Outage)	(-)	238,553
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up/Armstrong Dock Imbalance	(-)	1,359
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL	\$	578,287
<b>(C) Inter-System Sales</b>		
Including Interchange-out	(+) \$	3,185,090
SUB-TOTAL	\$	3,185,090
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	130,453
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	<b>\$</b>	<b>17,060,564</b>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = March 2010

(A) Generation (Net)	(+)	994,643,955
Purchases including interchange-in	(+)	396,985,000
SUB-TOTAL		<u>1,391,628,955</u>
(B) Inter-system Sales including interchange-out	(+)	506,193,210
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	338,155
Back-up and Energy Imbalance Sales Domtar	(+)	595,945
System Losses	(+)	12,423,597
SUB-TOTAL		<u>519,550,907</u>
TOTAL SALES (A-B)		<u>872,078,048</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = March 2010

1.	Last FAC Rate Billed		0.011012
2.	KWH Billed at Above Rate		<u>872,078,048</u>
3.	FAC Revenue/(Refund)	** (Line 1 x Line 2)	<u>\$ 9,603,323</u>
4.	KWH Used to Determine Last FAC Rate		860,231,564
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>860,231,564</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 9,472,870</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 130,453</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>872,078,048</u>
11.	Kentucky Jurisdictional Sales		<u>872,078,048</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 130,453</u> To Page 2, Line D

\*\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = April 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$16,369,368}{803,287,177 \text{ KWH}} = (+) \$ 0.020378 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

$$\text{FAC Factor (1)} = \underline{\underline{\$ 0.009658}} / \text{KWH}$$

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: June 1, 2010

Submitted by Mark A. Hite 5/20/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = April 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	15,307,615
Pet Coke Burned	(+)	1,613,866
Oil Burned	(+)	333,451
Gas Burned	(+)	42,548
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	755,341
Fuel (substitute cost for Forced Outage)	(-)	551,925
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	7,012
Fuel (Domtar back up / imbalance generation)	(-)	2,476
SUB-TOTAL		<u>\$ 17,491,408</u>
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	490,803
Identifiable fuel cost - other purchases	(+)	111,489
Identifiable fuel cost - Forced Outage purchases	(+)	640,443
Identifiable fuel cost (substitute for Forced Outage)	(-)	640,443
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up/Armstrong Dock Imbalance	(-)	-
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL		<u>\$ 602,292</u>
<b>(C) Inter-System Sales</b>		
Including Interchange-out	(+) \$	2,275,092
SUB-TOTAL		<u>\$ 2,275,092</u>
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	(550,760)
TOTAL FUEL RECOVERY (A+B-C-D) =		<u><u>\$ 16,369,368</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = April 2010

(A) Generation (Net)	(+)	875,136,258
Purchases including interchange-in	(+)	246,146,000
SUB-TOTAL		<u>1,121,282,258</u>
(B) Inter-system Sales including interchange-out	(+)	307,765,870
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	350,794
Back-up and Energy Imbalance Sales Domtar	(+)	123,854
System Losses	(+)	9,754,563
SUB-TOTAL		<u>317,995,081</u>
TOTAL SALES (A-B)		<u>803,287,177</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = April 2010

1.	Last FAC Rate Billed		0.008843
2.	KWH Billed at Above Rate		<u>803,287,177</u>
3.	FAC Revenue/(Refund)	** (Line 1 x Line 2)	<u>\$ 7,103,469</u>
4.	KWH Used to Determine Last FAC Rate		872,078,048
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>872,078,048</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed (See Note 1)		0.008777
8.	Recoverable FAC Revenue/(Refund)	(Line 7 x Line 6)	<u>\$ 7,654,229</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ (550,760)</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>803,287,177</u>
11.	Kentucky Jurisdictional Sales		<u>803,287,177</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ (550,760)</u>
			To Page 2, Line D

\*\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due

Note 1: The changes reflected on Line 7 consist of a prior period adjustment to the March 2010 filing to correct forced outage substitute fuel costs in excess of the amount allowable.

Line 7 Revised FAC Rate Calculation	
Total Adjustment from March 2010	\$ (57,272)
Line 4 (kWh used to determine last FAC rate)	+ 872,078,048
Prior period adjustment	= (0.000066)
Line 1 (Last FAC rate billed)	+ 0.008843
Line 7 (Revised FAC rate)	<u>= 0.008777</u>



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

June 18, 2010

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JUN 21 2010

PUBLIC SERVICE  
COMMISSION

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on May 2010 kWh and cost data, to be applied to invoices for June 2010 service that will be billed early July 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

Mark A. Hite, CPA  
Vice President of Accounting  
Big Rivers Electric Corporation

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

JUN 21 2010  
FINANCIAL AWA

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = May 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$16,974,940}{850,030,579 \text{ KWH}} = (+) \$ 0.019970 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

$$\text{FAC Factor (1)} = \underline{\underline{\$ 0.009250 / \text{KWH}}}$$

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: July 1, 2010

Submitted by Mark D. Hite 6/18/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL COST SCHEDULE**

Expense Month = May 2010

(A) <u>Company Generation</u>	
Coal Burned	(+) \$ 15,989,856
Pet Coke Burned	(+) 1,485,207
Oil Burned	(+) 281,499
Gas Burned	(+) 61,589
Propane Burned	(+) -
Fuel (assigned cost during Forced Outage)	(+) 762,332
Fuel (substitute cost for Forced Outage)	(-) 252,685
Fuel (Supplemental and Back-Up energy to Smelters)	(-) 20,137
Fuel (Domtar back up / imbalance generation)	(-) 9,986
SUB-TOTAL	\$ 18,297,675
(B) <u>Purchases</u>	
Net energy cost - economy purchases	(+) \$ 1,362,264
Identifiable fuel cost - other purchases	(+) 148,430
Identifiable fuel cost - Forced Outage purchases	(+) 981,861
Identifiable fuel cost (substitute for Forced Outage)	(-) 981,861
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-) -
Less Purchases for Domtar back up	(-) 73,226
Less Purchases Above Highest Cost Units	(-) -
SUB-TOTAL	\$ 1,437,468
(C) <u>Inter-System Sales</u>	
Including Interchange-out	\$ 2,308,756
(D) <u>Over or (Under) Recovery</u>	
From Page 4, Line 13	\$ 451,447
TOTAL FUEL RECOVERY (A+B-C-D) =	<u>\$ 16,974,940</u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = May 2010

(A) Generation (Net)	(+)	884,693,461
Purchases including interchange-in	(+)	279,320,000
SUB-TOTAL		<u>1,164,013,461</u>
(B) Inter-system Sales including interchange-out	(+)	298,921,150
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	986,379
Back-up and Energy Imbalance Sales Domtar	(+)	2,183,164
System Losses	(+)	11,892,189
SUB-TOTAL		<u>313,982,882</u>
TOTAL SALES (A-B)		<u>850,030,579</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = May 2010

1.	Last FAC Rate Billed		0.009658
2.	KWH Billed at Above Rate		<u>850,030,579</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 8,209,595</u>
4.	KWH Used to Determine Last FAC Rate		803,287.177
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>803,287,177</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 7,758,148</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 451,447</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>850,030,579</u>
11.	Kentucky Jurisdictional Sales		<u>850,030,579</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 451,447</u>
			To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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

July 21, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

**RECEIVED**

**JUL 22 2010**

**PUBLIC SERVICE  
COMMISSION**

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

**RECEIVED**  
JUL 22 2010  
**FINANCIAL AN**

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on June 2010 kWh and cost data, to be applied to invoices for July 2010 service that will be billed early August 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = June 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$17,927,902}{895,434,778 \text{ KWH}} = (+) \$ 0.020021 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

$$\text{FAC Factor (1)} = \underline{\underline{\$ 0.009301 / \text{KWH}}}$$

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: August 1, 2010

Submitted by Mark A. Hite 7/20/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL COST SCHEDULE**

Expense Month = June 2010

(A) <u>Company Generation</u>	
Coal Burned	(+) \$ 17,296,972
Pet Coke Burned	(+) 1,833,513
Oil Burned	(+) 367,827
Gas Burned	(+) 51,715
Propane Burned	(+) -
Fuel (assigned cost during Forced Outage)	(+) 799,787
Fuel (substitute cost for Forced Outage)	(-) 249,195
Fuel (Supplemental and Back-Up energy to Smelters)	(-) 4,864
Fuel (Domtar back up / imbalance generation)	(-) 2,770
SUB-TOTAL	\$ 20,092,985
(B) <u>Purchases</u>	
Net energy cost - economy purchases	(+) \$ 258,914
Identifiable fuel cost - other purchases	(+) 90,588
Identifiable fuel cost - Forced Outage purchases	(+) 892,629
Identifiable fuel cost (substitute for Forced Outage)	(-) 892,629
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-) -
Less Purchases for Domtar back up	(-) 891
Less Purchases Above Highest Cost Units	(-) -
SUB-TOTAL	\$ 348,611
(C) <u>Inter-System Sales</u>	
Including Interchange-out	\$ 2,093,705
(D) <u>Over or (Under) Recovery</u>	
From Page 4, Line 13	\$ 419,989
TOTAL FUEL RECOVERY (A+B-C-D) =	<u>\$ 17,927,902</u>

## BIG RIVERS ELECTRIC CORPORATION

### SALES SCHEDULE (KWH)

Expense Month = June 2010

(A) Generation (Net)	(+)	971,308,838
Purchases including interchange-in	(+)	<u>320,442,000</u>
SUB-TOTAL		<u><u>1,291,750,838</u></u>
(B) Inter-system Sales including interchange-out	(+)	381,101,740
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	237,977
Back-up and Energy Imbalance Sales Domtar	(+)	135,532
System Losses	(+)	<u>14,840,811</u>
SUB-TOTAL		<u><u>396,316,060</u></u>
TOTAL SALES (A-B)		<u><u>895,434,778</u></u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = June 2010

1.	Last FAC Rate Billed		0.009250
2.	KWH Billed at Above Rate		<u>895,434,778</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 8,282,772</u>
4.	KWH Used to Determine Last FAC Rate		850,030,579
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>850,030,579</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 7,862,783</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 419,989</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>895,434,778</u>
11.	Kentucky Jurisdictional Sales		<u>895,434,778</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 419,989</u> To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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

August 19, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

AUG 20 2010

PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on July 2010 kWh and cost data, to be applied to invoices for August 2010 service that will be billed early September 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

Mark A. Hite, CPA  
Vice President of Accounting  
Big Rivers Electric Corporation

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

AUG 20 2010

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = July 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)} \quad \$19,458,698}{\text{Sales "Sm" (Sales Schedule)} \quad 936,132,880 \quad \text{KWH}} = (+) \$ 0.020786 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.010066 / KWH

Note: (1) Six decimal places in dollars for normal rounding

Effective Date for Billing. September 1, 2010

Submitted by Mark R. Hite 8/19/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = July 2010

(A) <u>Company Generation</u>		
Coal Burned	(+)	\$ 18,913,510
Pet Coke Burned	(+)	1,843,270
Oil Burned	(+)	293,472
Gas Burned	(+)	295,729
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	913,869
Fuel (substitute cost for Forced Outage)	(-)	427,852
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	7,330
Fuel (Domtar back up / imbalance generation)	(-)	1,365
SUB-TOTAL		<u>\$ 21,823,303</u>
 (B) <u>Purchases</u>		
Net energy cost - economy purchases	(+)	\$ 166,586
Identifiable fuel cost - other purchases	(+)	127,382
Identifiable fuel cost - Forced Outage purchases	(+)	899,848
Identifiable fuel cost (substitute for Forced Outage)	(-)	899,848
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	-
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL		<u>\$ 293,968</u>
 (C) <u>Inter-System Sales</u>		
Including Interchange-out		\$ 2,280,040
 (D) <u>Over or (Under) Recovery</u>		
From Page 4, Line 13		\$ 378,533
 TOTAL FUEL RECOVERY (A+B-C-D) =		<u><u>\$ 19,458,698</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = July 2010

(A) Generation (Net)	(+)	1,029,388,330
Purchases including interchange-in	(+)	<u>286,688,000</u>
SUB-TOTAL		<u><u>1,316,076,330</u></u>
(B) Inter-system Sales including interchange-out	(+)	359,731,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	346,686
Back-up and Energy Imbalance Sales Domtar	(+)	64,582
System Losses	(+)	<u>19,801,182</u>
SUB-TOTAL		<u><u>379,943,450</u></u>
TOTAL SALES (A-B)		<u><u>936,132,880</u></u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = July 2010

1	Last FAC Rate Billed		0 009301
2	KWH Billed at Above Rate		<u>936,132,880</u>
3	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 8,706,972</u>
4	KWH Used to Determine Last FAC Rate		895,434,778
5	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>895,434,778</u>
7	Revised FAC Rate Billed, if prior period adjustment is needed		-
8	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 8,328,439</u>
9	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 378,533</u>
10	Total Sales "Sm" (From Page 3 of 4)		<u>936,132,880</u>
11	Kentucky Jurisdictional Sales		<u>936,132,880</u>
12	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 378,533</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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

September 20, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

**RECEIVED**

**SEP 21 2010**

**PUBLIC SERVICE  
COMMISSION**

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on August 2010 kWh and cost data, to be applied to invoices for September 2010 service that will be billed early October 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

**RECEIVED**  
SEP 21 2010  
**FINANCIAL ANA**

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = August 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)}}{\text{Sales "Sm" (Sales Schedule)}} = \frac{\$20,062,758}{946,747,828 \text{ KWH}} = (+) \$ 0.021191 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.010471 / KWH

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: October 1, 2010

Submitted by Mark A. Hite 9/20/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = August 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	20,506,685
Pet Coke Burned	(+)	1,647,768
Oil Burned	(+)	94,893
Gas Burned	(+)	194,314
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	113,314
Fuel (substitute cost for Forced Outage)	(-)	65,135
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	15,154
Fuel (Domtar back up / imbalance generation)	(-)	16,666
SUB-TOTAL	\$	<u>22,460,019</u>
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	217,942
Identifiable fuel cost - other purchases	(+)	102,788
Identifiable fuel cost - Forced Outage purchases	(+)	53,699
Identifiable fuel cost (substitute for Forced Outage)	(-)	53,699
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	57,191
Less Purchases Above Highest Cost Units	(-)	1,106
SUB-TOTAL	\$	<u>262,433</u>
<b>(C) Inter-System Sales</b>		
Including Interchange-out	\$	2,552,844
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	106,850
TOTAL FUEL RECOVERY (A+B-C-D) =	\$	<u><u>20,062,758</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = August 2010

(A) Generation (Net)	(+)	1,061,709,278
Purchases including interchange-in	(+)	286,923,000
SUB-TOTAL		<u>1,348,632,278</u>
(B) Inter-system Sales including interchange-out	(+)	384,235,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	706,659
Back-up and Energy Imbalance Sales Domtar	(+)	1,847,177
System Losses	(+)	15,095,614
SUB-TOTAL		<u>401,884,450</u>
TOTAL SALES (A-B)		<u>946,747,828</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = August 2010

1.	Last FAC Rate Billed		0.010066
2.	KWH Billed at Above Rate		<u>946,747,828</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 9,529,964</u>
4.	KWH Used to Determine Last FAC Rate		936,132,880
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>936,132,880</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 9,423,114</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 106,850</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>946,747,828</u>
11.	Kentucky Jurisdictional Sales		<u>946,747,828</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 106,850</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



201 Third Street  
P.O. Box 24  
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October 21, 2010

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

OCT 22 2010

PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on September 2010 kWh and cost data, to be applied to invoices for October 2010 service that will be billed early November 2010.

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Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

RECEIVED  
OCT 22 2010  
FINANCIAL ANA

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenegy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = September 2010

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)} \quad \$19,172,912}{\text{Sales "Sm" (Sales Schedule)} \quad 838,864,886 \text{ KWH}} = (+) \$ 0.022856 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.012136 / KWH

Note: (1) Six decimal places in dollars for normal rounding

Effective Date for Billing: November 1, 2010

Submitted by Mark D. Hite 10/21/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = September 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	17,895,915
Pet Coke Burned	(+)	1,448,551
Oil Burned	(+)	270,559
Gas Burned	(+)	83,550
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	432,501
Fuel (substitute cost for Forced Outage)	(-)	304,242
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	17,023
Fuel (Domtar back up / imbalance generation)	(-)	519
SUB-TOTAL	\$	<u>19,809,292</u>
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	195,564
Identifiable fuel cost - other purchases	(+)	106,172
Identifiable fuel cost - Forced Outage purchases	(+)	224,816
Identifiable fuel cost (substitute for Forced Outage)	(-)	224,816
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	-
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL	\$	<u>301,736</u>
<b>(C) Inter-System Sales</b>		
Including Interchange-out	\$	2,067,759
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	(1,129,643)
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	\$	<u><u>19,172,912</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = September 2010

(A) Generation (Net)	(+)	922,560,736	
Purchases including interchange-in	(+)	<u>233,670,000</u>	
SUB-TOTAL		<u>1,156,230,736</u>	
(B) Inter-system Sales including interchange-out	(+)	304,636,000	
Supplemental Sales to Smelters	(+)	-	
Backup Sales to Smelters	(+)	786,934	
Back-up and Energy Imbalance Sales Domtar	(+)	23,993	
System Losses	(+)	<u>11,918,923</u>	
SUB-TOTAL		<u>317,365,850</u>	
TOTAL SALES (A-B)		<u>838,864,886</u>	

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = September 2010

1.	Last FAC Rate Billed		0 010471
2.	KWH Billed at Above Rate		<u>838,864,886</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 8,783,754</u>
4.	KWH Used to Determine Last FAC Rate		946,747,828
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>946,747,828</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 9,913,397</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ (1,129,643)</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>838,864,886</u>
11.	Kentucky Jurisdictional Sales		<u>838,864,886</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ (1,129,643)</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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

November 18, 2010

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NOV 19 2010

PUBLIC SERVICE  
COMMISSION

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on October 2010 kWh and cost data, to be applied to invoices for November 2010 service that will be billed early December 2010.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO  
Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management  
Mr. Kelly Nuckols, Jackson Purchase Energy Corporation  
Mr. Sandy Novick, Kenergy Corp.  
Mr. Burns Mercer, Meade County RECC  
James Miller, Esq., General Counsel  
Alcan Primary Products Corporation  
Century Aluminum Company

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = October 2010

Fuel "Fm" (Fuel Cost Schedule)	\$17,102,913		
-----	=	-----	= (+) \$ 0.020932 / KWH
Sales "Sm" (Sales Schedule)	817,087,685	KWH	
Proposed Base Fuel Component			= (-) \$ 0.010720 / KWH
	FAC Factor (1)		= <u>\$ 0.010212</u> / KWH

Note: (1) Six decimal places in dollars for normal rounding

Effective Date for Billing: December 1, 2010

Submitted by W.A. Hite 11/18/10

Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = October 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	15,885,205
Pet Coke Burned	(+)	1,540,347
Oil Burned	(+)	262,749
Gas Burned	(+)	66,733
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	1,287,991
Fuel (substitute cost for Forced Outage)	(-)	718,854
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	9,738
Fuel (Domtar back up / imbalance generation)	(-)	12,251
SUB-TOTAL	\$	18,302,182
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	160,321
Identifiable fuel cost - other purchases	(+)	193,061
Identifiable fuel cost - Forced Outage purchases	(+)	1,136,356
Identifiable fuel cost (substitute for Forced Outage)	(-)	1,136,356
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	149,302
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL	\$	204,080
<b>(C) Inter-System Sales</b>		
Including Interchange-out	\$	1,667,637
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	(264,288)
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	<u>\$</u>	<u>17,102,913</u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = October 2010

(A) Generation (Net)	(+)	861,579,847
Purchases including interchange-in	(+)	<u>208,370,000</u>
SUB-TOTAL		<u><u>1,069,949,847</u></u>
(B) Inter-system Sales including interchange-out	(+)	236,142,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	466,430
Back-up and Energy Imbalance Sales Domtar	(+)	5,110,783
System Losses	(+)	<u>11,142,949</u>
SUB-TOTAL		<u><u>252,862,162</u></u>
TOTAL SALES (A-B)		<u><u>817,087,685</u></u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = October 2010

1.	Last FAC Rate Billed		0.012136
2.	KWH Billed at Above Rate		<u>817,087,685</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 9,916,176</u>
4.	KWH Used to Determine Last FAC Rate		838,864,886
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>838,864,886</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 10,180,464</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ (264,288)</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>817,087,685</u>
11.	Kentucky Jurisdictional Sales		<u>817,087,685</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ (264,288)</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



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December 21, 2010

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**DEC 22 2010**

**PUBLIC SERVICE  
COMMISSION**

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

**RECEIVED**  
**DEC 27 2010**  
**FINANCIAL ANA**

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on November 2010 kWh and cost data, to be applied to invoices for December 2010 service that will be billed early January 2011.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = November 2010

Fuel "Fm" (Fuel Cost Schedule)	\$17,240,709			
-----	=	-----	= (+)	\$ 0.020915 / KWH
Sales "Sm" (Sales Schedule)	824,335,603	KWH		

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.010195 / KWH

Note: (1) Six decimal places in dollars for normal rounding.

Effective Date for Billing: January 1, 2011

Submitted by *Ralph A. Adams for Mark R. Hite 12/21/10*  
Title: **Vice President Accounting**

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = November 2010

<b>(A) Company Generation</b>		
Coal Burned	(+) \$	15,885,035
Pet Coke Burned	(+)	1,651,409
Oil Burned	(+)	369,765
Gas Burned	(+)	76,246
Propane Burned	(+)	-
Fuel (assigned cost during Forced Outage)	(+)	716,279
Fuel (substitute cost for Forced Outage)	(-)	506,497
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	14,016
Fuel (Domtar back up / imbalance generation)	(-)	12,413
SUB-TOTAL	\$	18,165,808
<b>(B) Purchases</b>		
Net energy cost - economy purchases	(+) \$	187,412
Identifiable fuel cost - other purchases	(+)	1,511,465
Identifiable fuel cost - Forced Outage purchases	(+)	320,634
Identifiable fuel cost (substitute for Forced Outage)	(-)	320,634
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	470,233
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL	\$	1,228,644
<b>(C) Inter-System Sales</b>		
Including Interchange-out	\$	2,079,727
<b>(D) Over or (Under) Recovery</b>		
From Page 4, Line 13	\$	74,016
<b>TOTAL FUEL RECOVERY (A+B-C-D) =</b>	<b>\$</b>	<b>17,240,709</b>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = November 2010

(A) Generation (Net)	(+)	883,758,479
Purchases including interchange-in	(+)	248,341,000
SUB-TOTAL		<u>1,132,099,479</u>
(B) Inter-system Sales including interchange-out	(+)	280,442,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	678,714
Back-up and Energy Imbalance Sales Domtar	(+)	13,670,113
System Losses	(+)	12,973,049
SUB-TOTAL		<u>307,763,876</u>
TOTAL SALES (A-B)		<u>824,335,603</u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month  November 2010

1.	Last FAC Rate Billed		0.010212
2.	KWH Billed at Above Rate		<u>824,335,603</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 8,418,115</u>
4.	KWH Used to Determine Last FAC Rate		817,087,685
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>817,087,685</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 8,344,099</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 74,016</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>824,335,603</u>
11.	Kentucky Jurisdictional Sales		<u>824,335,603</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 74,016</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due



201 Third Street  
P.O. Box 24  
Henderson, KY 42419-0024  
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January 20, 2011

Mr. Jeff DeRouen  
Executive Director  
c/o Daryl Newby  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED  
JAN 21 2011  
PUBLIC SERVICE  
COMMISSION

RE: Big Rivers Electric Corporation  
Fuel Adjustment Clause (FAC)

Dear Mr. DeRouen:

Enclosed is Big Rivers' monthly FAC filing based on December 2010 kWh and cost data, to be applied to invoices for January 2011 service that will be billed early February 2011.

807 KAR 5:056 requires the amount of the monthly FAC be filed with the Commission ten (10) days before it is scheduled to go into effect. Accordingly, this filing is in compliance therewith.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

Mark A. Hite, CPA  
Vice President of Accounting

Enclosure

- c: Mr. C. William Blackburn, Senior VP Financial and Energy Services and CFO
- Mr. Albert Yockey, VP Governmental Relations and Enterprise Risk Management
- Mr. Kelly Nuckols, Jackson Purchase Energy Corporation
- Mr. Sandy Novick, Kenergy Corp.
- Mr. Burns Mercer, Meade County RECC
- James Miller, Esq., General Counsel
- Alcan Primary Products Corporation
- Century Aluminum Company

JAN 21 2011  
FINANCIAL AID

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE SCHEDULE**

Expense Month = December 2010

**RECEIVED**  
JAN 21 2011  
PUBLIC SERVICE  
COMMISSION

$$\frac{\text{Fuel "Fm" (Fuel Cost Schedule)} \quad \$18,066,461}{\text{Sales "Sm" (Sales Schedule)} \quad 947,408,384 \quad \text{KWH}} = (+) \$ 0.019069 / \text{KWH}$$

Proposed Base Fuel Component = (-) \$ 0.010720 / KWH

FAC Factor (1) = \$ 0.008349 / KWH

Note: (1) Six decimal places in dollars for normal rounding

Effective Date for Billing: February 1, 2011

Submitted by Mark A. Hill 1/20/11

Title: Vice President Accounting

**BIG RIVERS ELECTRIC CORPORATION  
FUEL COST SCHEDULE**

Expense Month = December 2010

<u>(A) Company Generation</u>		
Coal Burned	(+) \$	19,394,953
Pet Coke Burned	(+)	1,879,436
Oil Burned	(+)	310,837
Gas Burned	(+)	151,627
Propane Burned	(+)	-
MISO Make Whole Payments	(-)	120,624
Fuel (assigned cost during Forced Outage)	(+)	918,291
Fuel (substitute cost for Forced Outage)	(-)	855,069
Fuel (Supplemental and Back-Up energy to Smelters)	(-)	25,165
Fuel (Domtar back up / imbalance generation)	(-)	24,792
SUB-TOTAL		<u>\$ 21,629,494</u>
<u>(B) Purchases</u>		
Net energy cost - economy purchases	(+) \$	640,604
Identifiable fuel cost - other purchases	(+)	110,010
Identifiable fuel cost - Forced Outage purchases	(+)	219,717
Identifiable fuel cost (substitute for Forced Outage)	(-)	219,717
Less Purchases for Supplemental and Back-Up energy to Smelters)	(-)	-
Less Purchases for Domtar back up	(-)	110,010
Less Purchases Above Highest Cost Units	(-)	-
SUB-TOTAL		<u>\$ 640,604</u>
<u>(C) Inter-System Sales</u>		
Including Interchange-out	\$	2,948,910
<u>(D) Over or (Under) Recovery</u>		
From Page 4, Line 13	\$	1,254,727
TOTAL FUEL RECOVERY (A+B-C-D) =		<u><u>\$ 18,066,461</u></u>

**BIG RIVERS ELECTRIC CORPORATION**

**SALES SCHEDULE (KWH)**

Expense Month = December 2010

(A) Generation (Net)	(+)	1,037,114,334
Purchases including interchange-in	(+)	<u>58,901,000</u>
SUB-TOTAL		<u><u>1,096,015,334</u></u>
(B) Inter-system Sales including interchange-out	(+)	140,264,000
Supplemental Sales to Smelters	(+)	-
Backup Sales to Smelters	(+)	1,196,952
Back-up and Energy Imbalance Sales Domtar	(+)	3,955,228
System Losses	(+)	<u>3,190,770</u>
SUB-TOTAL		<u><u>148,606,950</u></u>
TOTAL SALES (A-B)		<u><u>947,408,384</u></u>

**BIG RIVERS ELECTRIC CORPORATION**  
**FUEL ADJUSTMENT CLAUSE**  
**OVER OR (UNDER) RECOVERY SCHEDULE**

Expense Month = December 2010

1.	Last FAC Rate Billed		0.010195
2.	KWH Billed at Above Rate		<u>947,408,384</u>
3.	FAC Revenue/(Refund)*	(Line 1 x Line 2)	<u>\$ 9,658,828</u>
4.	KWH Used to Determine Last FAC Rate		824,335,603
5.	Non-Jurisdictional KWH (Included in Line 4)		<u>0</u>
6.	Kentucky Jurisdictional KWH	(Line 4 - Line 5)	<u>824,335,603</u>
7.	Revised FAC Rate Billed, if prior period adjustment is needed		-
8.	Recoverable FAC Revenue/(Refund)	(Line 1 x Line 6)	<u>\$ 8,404,101</u>
9.	Over or (Under) Recovery	(Line 3 - Line 8)	<u>\$ 1,254,727</u>
10.	Total Sales "Sm" (From Page 3 of 4)		<u>947,408,384</u>
11.	Kentucky Jurisdictional Sales		<u>947,408,384</u>
12.	Total Sales Divided by Kentucky Jurisdictional Sales	(Line 10 / Line 11)	<u>1.00000000</u>
13.	Total Company Over or (Under) Recovery	(Line 9 x Line 12)	<u>\$ 1,254,727</u>

To Page 2, Line D

\*FAC Revenue(Refund) on Line 3 reflects actual amount charged or credit due