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April 20, 2012

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

RECEIVED

APR 20 2012

PUBLIC SERVICE
COMMISSION

Re: ***Notice of Filing by Big Rivers Electric Corporation of
Tariff Additions for Demand-Side Management and
Energy Efficiency Programs***

Dear Mr. DeRouen:

Enclosed on behalf of Big Rivers Electric Corporation ("*Big Rivers*") are (i) an original and four copies of Big Rivers' new tariff sheets PSC No. 24, Sheets 2.16 through 2.17, (ii) a revised tariff table of contents that includes references to the new tariff sheets, (iii) documents supporting the new tariff sheets, and (iv) a certificate that Big Rivers has provided notice to its members of the filing of the new tariff sheets. The new tariff sheets implement an additional demand-side management/energy efficiency program. Please note that on March 16, 2012, Big Rivers filed tariff sheets implementing other demand-side management and energy efficiency programs, which are under review in Case No. 2012-00142. This letter, the attached tariffs, and the attached supporting documents, have also been filed electronically on the date hereof. I certify that a copy of this Notice and Application have been served on the Kentucky Attorney General, Office of Rate Intervention, and all persons on the attached service list.

Please note that in addition to serving copies of orders, pleadings and other documents filed in this case on the undersigned, please also serve Big Rivers' management as follows: Albert Yockey, Big Rivers Electric Corporation, 201 Third Street (42420), P.O. Box 24 (42419-0024), Henderson, Kentucky.

Sincerely,



Tyson Kamuf
Counsel for Big Rivers Electric Corporation

Enclosures

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DATE OF ISSUE April 20, 2012

DATE EFFECTIVE May 20, 2012

ISSUED BY

Mark A. Bailey

Mark A. Bailey, President and Chief Executive Officer
 Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420


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DATE OF ISSUE April 20, 2012 DATE EFFECTIVE May 20, 2012

ISSUED BY  Mark A. Bailey, President and Chief Executive Officer
 Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 24

Original SHEET NO. 2.16

Big Rivers Electric Corporation
(Name of Utility)

CANCELLING P.S.C. KY. No. _____

_____ SHEET NO. _____

RATES, TERMS AND CONDITIONS – SECTION I

STANDARD RATE - RDS – Rural Delivery Service – (continued)

DSM-10

Residential Weatherization Program-Primary Heating Source Non-Electric

Purpose

This program promotes increased implementation of weatherization improvements among Rural Customers whose primary heating source is non-electric by paying a Member an incentive for the benefit of an eligible Rural Customer, who undertakes and completes residential weatherization improvements in accordance with this program.

Availability

A DSM program's rates, terms and conditions are available to a Member for its Rural Customers, subject to the limitations and eligibility requirements of this program, and to the rules and regulations of this tariff and the Member's corresponding tariff.

Eligibility

An eligible Rural Customer is a Member's Rural Customer who undertakes and completes weatherization improvements in accordance with this program at the Rural Customer's home located in the Member's service area, if the Rural Customer's home has a primary heat source that is non-electric and electric-sourced air conditioning.

Member Incentives

Big Rivers will provide 25% of the cost of residential weatherization improvements performed in accordance with this program. Big Rivers will also reimburse a Member's reasonable costs of promoting this program, if the promotional program and its costs are pre-approved by Big Rivers.

Terms & Conditions

1. Big Rivers will contract with a third party contractor ("Contractor") that performs weatherization projects for electric utilities.
2. The Member will promote the program, and select Rural Customer names to submit to Contractor.
3. Contractor will contact the Rural Customers from the names provided, and manage the weatherization process.

DATE OF ISSUE April 20, 2012 DATE EFFECTIVE May 20, 2012

Mark A. Bailey
ISSUED BY Mark A. Bailey, President and Chief Executive Officer
Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 24

Original SHEET NO. 2.17

Big Rivers Electric Corporation
(Name of Utility)

CANCELLING P.S.C. KY. No. _____

_____ SHEET NO. _____

RATES, TERMS AND CONDITIONS – SECTION I

STANDARD RATE - RDS – Rural Delivery Service – (continued)

DSM-10 (continued)

Residential Weatherization Program-Primary Heating Source Non-Electric

4. Big Rivers will pay the Contractor \$150 for the initial audit.
5. Big Rivers will also pay \$3 per installed CFL bulb and \$10 per installed low-flow aerator, or low-flow shower head, if the water heater is electric, as part of the initial audit.
Reimbursement will be limited to the following:

CFL Bulbs	Twenty (20) per Rural Customer's residence
Low-Flow Aerator	Two (2) per Rural Customer's residence
Low-Flow Shower Head	One (1) per Rural Customer's residence

Evaluation, Measurement and Verification

Big Rivers will initiate a process of evaluation, measurement and verification for the program. The process will ensure the quality and effectiveness of the program and optimal use of resources.

DATE OF ISSUE April 20, 2012 DATE EFFECTIVE May 20, 2012

Mark A. T. Bailey
ISSUED BY _____

Mark A. Bailey, President and Chief Executive Officer
Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420

**Big Rivers Electric Corporation
Tariff Additions
for
Demand-Side Management and Energy Efficiency Programs**

**DSM 10 – Residential Weatherization Program –
Primary Heating Source Non-Electric**

Background –

On March , 2012, pursuant to Commission’s letter to Big Rivers dated November , 2011, Big Rivers filed tariff sheets for the following Demand-Side Management and Energy Efficiency Programs –

DSM-01	High Efficiency Lighting Replacement Program
DSM-02	ENERGY STAR® Clothes Washer Replacement Incentive Program
DSM-03	ENERGY STAR® Refrigerator Replacement Incentive Program
DSM-04	Residential High Efficiency Heating, Ventilation and Air Conditioning ("HVAC") Program
DSM-05	Residential Weatherization Program
DSM-06	Touchstone Energy® New Home Program
DSM-07	Residential and Commercial HVAC & Refrigeration Tune-Up Program
DSM-08	Commercial / Industrial High Efficiency Lighting Replacement Incentive Program
DSM-09	Commercial / Industrial General Energy Efficiency Program

DSM-05 – Residential Weatherization Program is currently designed for all-electric homes. Big Rivers’ Members expressed an interest in designing a comparable program for those homes which have non-electric heating. Working with its Members and GDS Associates, Big Rivers evaluated the potential design of such a program. The results of those efforts are DSM-10 – Residential Weatherization Program – Primary Heating Source Non-Electric.

Analytical Support for DSM-10 –

In support of DSM-10, Big Rivers attaches a two-page printout which provided the results of GDS Associates’ analysis. This document provides the Total Resource Cost (“TRC”), or TRC Ratio, and Utility Cost Test (“UCT”), or UCT Ratio for a home with the primary heating source being gas, whether natural gas or propane. Page 1 of 2 focuses on homes where attic insulation ‘R’ values range from R0 to R38; page 2 of 2 focuses on homes where attic insulation ‘R’ values range from R9 to R38. In the heating and cooling columns (labeled ‘Heat’ and ‘Cool’, respectively) these ratios are higher on page 1 of 2, versus page 2 of 2.

Big Rivers Electric Corporation

TRC Ratio and UCT Ratio Supporting Documentation

Based on Attic Insulation Increasing from R0 to R38

Big Rivers Weatherization Package (2010 Analysis - Updated for Gas Heat/Water Heat Home ; Single Family)

Base Home Consumption (estimates from 2010 Analysis)

Heat (MMBTU)	85.1
Cooling (Summer kWh)	6875
WH (MMBTU)	18.4
Light&Appliances (kWh)	6405
Total MMBTU	103.5
Total kWh	13,280

Weatherization Measure Energy Savings (as a %)

	Heat	Cool	WH	Other	% Savings Source
Attic Insulation (R0 to R38)	37.22%	30.82%	0.00%	0.00%	*REM/Rate
Duct Sealing	12.52%	12.49%	0.00%	0.00%	*REM/Rate
CFL Bulb Replacement (x10)	0.00%	0.00%	0.00%	4.79%	*14W CFL replacing 42W halogen to reflect EISA standards. 3 hours/day ; total of 10 bulbs

Weatherization Measure Demand Savings (Unit)

	Sum. kW	Sum. CF	Win. kW	Win. CF	Savings Source
Attic Insulation (R0 to R38)	1.8	73.0%	0.1	0%	*REM/Rate
Duct Sealing	0.5	73.0%	0	0%	*REM/Rate
CFL Bulb Replacement (x10)	0.28	11.0%	0.28	26%	*14W CFL replacing 42W halogen to reflect EISA standards ; total of 10 bulbs
Wx Package (Combined)	2.58	66.3%	0.38	19.2%	

Weatherization Measure Savings (in units)

	Attic	Duct Sealing	CFL	Wx Pkg
Heat (MMBTU)	31.7	10.7	0.0	42.3
Cooling (Summer kWh)	2119	859	0	2978
WH (MMBTU)	0	0	0.0	0.0
Light&Appliances (kWh)	0	0	307	307
Total MMBTU	31.7	10.7	0.0	42.3
Total kWh	2,119	859	307	3,284
Summer kW (Peak)	1.31	0.37	0.03	1.71
Winter kW (Peak)	0.00	0.00	0.07	0.07

Weatherization Measure Costs (in units)

Incremental Cost	\$1,418.60	\$500.00	\$18.50	\$1,937.10	*2010 Big Rivers Analysis
Rebate Amount	\$455	\$175	\$49	\$678	*2010 Big Rivers Analysis

Useful Life

Years	20	18	10	18.5	*2010 Big Rivers Analysis
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Benefits/Costs

Electric Benefits	\$2,294	\$771	\$169	\$3,234
Gas Benefits	\$5,805	\$1,801	\$0	\$7,307
Other Benefits	\$0	\$0	\$25	\$36
Utility Rebates	\$455	\$175	\$49	\$678
Net Participant Costs	\$963.95	\$325.00	-\$30.00	\$1,258.95
Total Measure Costs	\$1,418.60	\$500.00	\$18.50	\$1,937.10
TRC Ratio	5.71	5.14	10.49	5.46
UCT Ratio	5.05	4.40	3.49	4.77

Big Rivers Electric Corporation

TRC Ratio and UCT Ratio Supporting Documentation

Based on Attic Insulation Increasing from R9 to R38

Big Rivers Weatherization Package (2010 Analysis - Updated for Gas Heat/Water Heat Home ; Single Family)

Base Home Consumption (estimates from 2010 Analysis)

Heat (MMBTU)	60.3
Cooling (Summer kWh)	5179
WH (MMBTU)	18.4
Light&Appliances (kWh)	6405
Total MMBTU	78.7
Total kWh	11,584

Weatherization Measure Energy Savings (as a %)

	Heat	Cool	WH	Other	% Savings Source
Attic Insulation (R9 to R38)	11.43%	8.17%	0.00%	0.00%	*REM/Rate 5018 4052 966 19.25%
Duct Sealing	12.47%	12.10%	0.00%	0.00%	*REM/Rate
CFL Bulb Replacement (x10)	0.00%	0.00%	0.00%	4.79%	*14W CFL replacing 42W halogen to reflect EISA standards. 3 hours/day ; total of 10 bulbs
Wx Package (Combined)	22.46%	19.25%	0.00%	4.79%	

Weatherization Measure Demand Savings (Unit)

	Sum. kW	Sum. CF	Win. kW	Win. CF	Savings Source
Attic Insulation (R9 to R38)	0.4	73.0%	0	0%	*REM/Rate
Duct Sealing	0.4	73.0%	0	0%	*REM/Rate
CFL Bulb Replacement (x10)	0.28	11.0%	0.28	26%	*14W CFL replacing 42W halogen to reflect EISA standards ; total of 10 bulbs
Wx Package (Combined)	1.08	56.9%	0.28	26.0%	

Weatherization Measure Savings (in units)

	Attic	Duct Sealing	CFL	Wx Pkg
Heat (MMBTU)	6.9	7.5	0.0	14.4
Cooling (Summer kWh)	423	627	0	1050
WH (MMBTU)	0	0	0.0	0.0
Light&Appliances (kWh)	0	0	307	307
Total MMBTU	6.9	7.5	0.0	14.4
Total kWh	423	627	307	1,357
Summer kW (Peak)	0.29	0.29	0.03	0.61
Winter kW (Peak)	0.00	0.00	0.07	0.07

Weatherization Measure Costs (in units)

Incremental Cost	\$1,159.10	\$500.00	\$18.50	\$1,677.60	*2010 Big Rivers Analysis
Rebate Amount	\$390	\$175	\$49	\$613	*2010 Big Rivers Analysis

Useful Life

Years	20	18	10	16.8	*2010 Big Rivers Analysis
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Benefits/Costs

Electric Benefits	\$475	\$576	\$169	\$1,224
Gas Benefits	\$1,264	\$1,272	\$0	\$2,311
Other Benefits	\$0	\$0	\$25	\$35
Utility Rebates	\$390	\$175	\$49	\$613
Net Participant Costs	\$769.33	\$325.00	-\$30.00	\$1,064.33
Total Measure Costs	\$1,159.10	\$500.00	\$18.50	\$1,677.60
TRC Ratio	1.50	3.69	10.49	2.13
UCT Ratio	1.22	3.29	3.49	2.00