



Big Rivers Electric Corporation
710 West 2nd Street
Owensboro, KY 42301
www.bigrivers.com
(270) 827-2561

March 1, 2023

VIA Electronic Tariff Filing System

Ms. Linda C. Bridwell
Executive Director
Public Service Commission
211 Sower Boulevard, P.O. Box 615
Frankfort, Kentucky 40602-0615

Re: *Cogeneration / Small Power Production Sales (“QFS”) Tariff Filing of Big Rivers Electric Corporation – TFS No. 2023-_____*

Dear Ms. Bridwell:

Pursuant to the Ordering Paragraph No. 3 of the Kentucky Public Service Commission’s (the “*Commission*”) March 3, 2022, Order, in Case No. 2021-00289,¹ and using the Kentucky Public Service Commission’s Electronic Tariff Filing System, Big Rivers Electric Corporation (“*Big Rivers*”) is filing the following:

1. This letter, which constitutes the Read1st filed required by 807 KAR 5:001 Section 8(5);
2. Big Rivers’ proposed QF tariff, which replaces Big Rivers’ existing QFS and QFP tariffs;
3. A redline version of the affected pages of Big Rivers’ existing QFS and QFP tariffs;
4. Redline and clean versions of revisions to the Table of Contents of Big Rivers’ tariff; and
5. Supporting testimony.
6. Proof of customer notice.

The Issue Date of all tariff sheets is March 1, 2023. The Effective Date for all tariff sheets is April 1, 2023.

¹ *In the Matter of: Electronic Filing of Big Rivers Electric Corporation and Kenergy Corp. to Implement a New Standby Service Tariff, Case No. 2021-00289.*

Ms. Linda C. Bridwell

March 1, 2023

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On this date, Big Rivers has provided notice of this tariff filing to its three Members, Jackson Purchase Energy Corporation, Kenergy Corp., and Meade County Rural Electric Cooperative Corporation, and to all retail customers taking service through the existing QFP or QFS tariff – by mailing them a copy of this letter and the other documents being filed with this letter, including the proposed tariff sheets. *See* 807 KAR 5:011 Section 8(2)(a)-(3)(a). Proof of the customer notices is included with this filing.

Should you have any questions about this tariff filing, the notices, or the other documents referenced herein, you may contact me at 270-844-6185 or at tyson.kamuf@bigrivers.com.

Sincerely yours,

/s/ Tyson Kamuf

Tyson Kamuf
General Counsel

cc: Gregory H. Grissom
Jeffrey A. Hohn
Martin W. Littrel

Enclosures



Big Rivers Electric Corporation Table of Contents

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DATE OF ISSUE April 6, 2022 March 1, 2023
 DATE EFFECTIVE March 24, 2022 April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
 President and Chief Executive Officer
 Big Rivers Electric Corporation, ~~201 Third Street, Henderson, KY~~
 42420 710 W. 2nd Street, Owensboro, KY 42301
*Issued by Authority of an Order of the Commission, dated March 24,
 2022, in Case No. 2021-00297*



For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 39

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 39

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW

[T]

Availability:

Available only to qualified cogeneration or small power production facilities with a design capacity of over 100 kW with a design capacity of over 100 kW and less than or equal to 5 MW that have executed a contract with Big Rivers and the applicable Big Rivers Member Cooperative for service hereunder.

Pursuant to Federal Energy Regulatory Commission ("FERC") regulations 18 C.F.R. §§ 292.303(a), 292.309, and 292.310, Big Rivers is not obligated to purchase electric energy and/or capacity from qualifying cogeneration or small power production facilities with a net capacity of over five (5) MW.

Charges for the services under this tariff to any Member Cooperative for service to any member of the Member Cooperative with a qualifying cogeneration and/or small power production facility shall be established by contract.

Applicability:

A QF Member may sell to Big Rivers the output of its QF in excess of its own load requirements. That portion of the QF Member's load requirements not met by the QF shall be provided to the Member Cooperative under the terms and conditions of one or more of Big Rivers' standard rates applicable to the load requirements and type of service of the QF Member.

This tariff replaces Big Rivers' QFP and QFS tariffs, and this tariff shall be applicable in place of the QFP or QFS tariffs when such tariffs are referenced in other tariffs or contracts.

DATE OF ISSUE May 15, 2014 ~~March 1, 2023~~
 DATE EFFECTIVE February 1, 2014 ~~April 1, 2023~~

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: ~~Robert W. Berry~~ ~~Billie J. Richert~~,
 President ~~Vice President Accounting, Rates, and Chief~~
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 40

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 40

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW– (continued) [T]

Definitions:

Please see Section 4 for definitions common to all tariffs.

QF – “QF” means a cogeneration or small power production facility meeting the criteria for Qualifying Facility of 807 KAR 5:054 Section 4.

QF Member – “QF Member” means a member of a Member Cooperative with a QF with a design capacity of over 100 kW and less than or equal to 5 MW.

Monthly Credits or Payments for Delivery to Big Rivers:

The rates set forth below shall be used as the basis for negotiating a final purchase rate with QF Members pursuant to 807 KAR 5:054 Section 7.

1. Capacity – A QF Member selling capacity to Big Rivers will be credited monthly for the QF's electric capacity accredited by MISO at the MISO Planning Resource Auction (“PRA”) Auction Clearing Price (“ACP”) for the Big Rivers zone for the applicable resource auction time period.
2. Energy - A QF Member will be credited monthly for any electric power produced by its generation facilities and sold to Big Rivers at the actual locational marginal price for energy set by MISO at the applicable load node during each hour of the day at the time of delivery.

Terms and Conditions:

1. The QF of a QF Member must meet the definition set forth in 807 KAR 5:054 to be eligible for this tariff.
2. Seller must provide good quality electric power within a reasonable range of voltage, frequency, flicker, harmonic currents, and power factor.

DATE OF ISSUE ~~May 15, 2014~~ March 1, 2023
 DATE EFFECTIVE ~~February 1, 2014~~ April 1, 2023

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: ~~Robert W. Berry~~ ~~Billie J. Richert~~,
 President ~~Vice President Accounting, Rates,~~ and Chief
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 41

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 41

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW – (continued)

[T]

Terms and Conditions: – (continued)

3. A QF Member shall provide reasonable protection for Big Rivers' and the Member Cooperative's systems.
4. A QF Member shall design, construct, install, own, operate, and maintain the QF in accordance with all applicable codes, laws, regulations, and generally accepted utility practices.
5. A QF Member shall obtain insurance in the following minimum amounts for each occurrence:
 - a. Public Liability for Bodily Injury - \$1,000,000.00
 - b. Property Damage - \$500,000.00
6. For QFs to which this tariff is applicable, all power from the QF will be sold only to Big Rivers.
7. The QF Member shall enter into a contract with the Member Cooperative and Big Rivers. Such contract shall set forth any specific arrangements between the parties based on individual circumstances and shall:
 - o Have an initial contract term for one year that continues from year-to-year thereafter unless cancelled by a party with not less than one year's written notice;
 - o Specify whether the QF Member's generation is dispatchable or non-dispatchable;
 - o Specify whether the QF Member's generation is providing firm or non-firm capacity and energy;
 - o Specify any other term or condition which the Member Cooperative or Big Rivers may require for service used by a QF Member, taking into account the nature of use, the quality used, the quantity used, the time when used, the purpose for which used, and any other reasonable consideration.
8. QF Members with a non-dispatchable generation facility or who are proposing to supply as-available (non-firm) electric power shall not be entitled to a capacity payment.
9. The QF Member providing firm electric power is responsible for the cost of all facilities on the QF Member's site to meet and maintain eligibility as a MISO capacity resource and the QF Member is subject to all non-performance costs levied by MISO or its successor, the Kentucky Public Service Commission, or other applicable entity related to nonperformance of the QF.
10. In negotiating a final purchase rate, consideration shall be given to the factors affecting purchase rates as set forth in 807 KAR 5:054 Section 7(5)(a).

DATE OF ISSUE ~~May 15, 2014~~ March 1, 2023
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/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: ~~Robert W. Berry~~ ~~Billie J. Richert~~,
 President ~~Vice President Accounting, Rates, and Chief~~
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 42

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 42

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW – (continued)

[T]

Additional Charges:

Any and all costs incurred by Big Rivers as a result of the QF's failure to generate, including, without limitation, ancillary services necessary to maintain reliability on the Big Rivers' system and MISO RSG charges, may be charged to the QF Member in addition to all other charges.

Interconnections:

Big Rivers requires a three-party interconnection agreement between the QF Member, Big Rivers, and the Member Cooperative prior to service under this tariff. Big Rivers shall make interconnections with the Member Cooperative, or the QF Member, or both as required, and the QF Member will pay for the interconnection costs in accordance with 807 KAR 5:054 Section 6 and the interconnection agreement.

System Emergencies:

During system emergencies, Big Rivers may discontinue sales in accordance with 807 KAR 5:054 Section 6.

Loss Compensation:

Power and energy delivered by Big Rivers pursuant to this rate schedule shall be metered at or compensated to Big Rivers' point of delivery to the Member Cooperative. Where metering of the QF Member's load is at a point of delivery on a Member Cooperative's distribution system, metered demand and energy shall be adjusted to compensate for distribution losses prior to billing hereunder.

DATE OF ISSUE May 15, 2014 ~~March 1, 2023~~
 DATE EFFECTIVE February 1, 2014 ~~April 1, 2023~~

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: ~~Robert W. Berry~~ ~~Billie J. Richert~~,
 President ~~Vice President Accounting, Rates, and Chief~~
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

Original SHEET NO. 39

CANCELLING P.S.C. KY. No. 26

Original SHEET NO. 37

RATES, TERMS AND CONDITIONS—SECTION 1

STANDARD RATE—QFP—Cogeneration/Small Power Production Purchase Tariff—Over 100 KW

Availability:

Available to any customer of a Member Cooperative who qualifies as a cogenerator or small power producer pursuant to the Commission's regulation in 807 KAR 5:054.

Applicability of Service:

Applicable to any small power production or cogeneration "qualifying facility" with capacity over 100 kW as defined by the Commission in 807 KAR 5:054, and which contracts to sell energy or capacity or both to Big Rivers.

Terms and Conditions:

The cogeneration or small power production facility must have a total design capacity over 100 kW.

All power from a Qualifying Facility ("QF") purchased under this tariff will be sold to Big Rivers.

The QF must provide good quality electric power within a reasonable range of voltage, frequency, flicker, harmonic currents, and power factor.

QF shall provide reasonable protection for Big Rivers' and the Member Cooperative's systems.

QF shall design, construct, install, own, operate, and maintain the QF in accordance with all applicable codes, laws, regulations, and generally accepted utility practices.

QF shall reimburse Big Rivers and the Member Cooperative for all costs incurred as a result of interconnecting with the QF, including operation, maintenance, administration, and billing.

QF shall enter into a written contract with Big Rivers. All conditions applying to QF service shall be specified in the contract executed by the parties and are subject to the jurisdiction of the Commission and to Big Rivers' terms and conditions regarding a QF then in effect. For contracts which cover the purchase of energy only, the term shall be one year and shall be self renewing from year to year thereafter unless cancelled by either party with not less than one year's written notice. For contracts which cover the purchase of capacity and energy, the term shall be

DATE OF ISSUE May 15, 2014
 DATE EFFECTIVE February 1, 2014

/s/ Billie J. Richert

ISSUED BY: **Billie J. Richert,**
 Vice President Accounting, Rates, and Chief Financial
 Officer

Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420
 Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199



(Name of Utility)

For All Territory Served By Cooperative's Transmission System	
P.S.C. KY. No.	27
Original	SHEET NO. 40
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	26
Original	SHEET NO. 38

~~RATES, TERMS AND CONDITIONS—SECTION 4~~

~~**STANDARD RATE—QFP—Cogeneration/Small Power Production Purchase Tariff—Over 100 KW—(continued)**~~

~~not less than five (5) years and self-renewing from year to year thereafter unless cancelled by either party with not less than one year's written notice.~~

~~**Definitions:**~~

~~Please see Section 4 for definitions common to all tariffs.~~

~~QF—"QF" means a cogeneration or small power production facility meeting the criteria for Qualifying Facility of 807 KAR 5:054 Section 4.~~

~~Inter Utility Market—"Inter Utility Market" means any supplier of wholesale electric service to Big Rivers other than SEPA and the Henderson Municipal Power and Light's Station Two.~~

~~**Rates for Purchases from QFs:**~~

~~**(1) Capacity Purchase Rates:**~~

~~As long as Big Rivers has surplus generation from its owned coal-fired generation and power available from SEPA and the Henderson Municipal Power and Light's Station Two, the Capacity Purchase Rate (CPR) will be zero. At such time Big Rivers has no surplus generation from its owned coal-fired generation and power available from SEPA and the Henderson Municipal Power and Light's Station Two, the hourly avoided capacity cost (ACC) in \$ per megawatt hour, which is payable to a QF for delivery of capacity, shall be equal to the effective purchase price for power available to Big Rivers from the Inter Utility Market (which includes both energy and capacity charges) less Big Rivers' actual variable fuel expense. The total amount of the avoided capacity cost payment to be made to a QF in an hour is equal to [ACC x CAP], where CAP, the capacity delivered by the QF, is determined on the basis of the system demand and Big Rivers' need for capacity in that hour to adequately serve the load.~~

~~**(2) Determination of CAP:**~~

~~For the determination of CAP, Big Rivers will determine at the time a QF signs a contract to deliver capacity the capacity proposed to be provided by the QF and will cause the QF to enter into a contract stating the CAP Limits. Big Rivers will pay for CAP at the above stated rate only when Big Rivers' owned and previously arranged for capacity is not sufficient to meet its system demand.~~

DATE OF ISSUE May 15, 2014
DATE EFFECTIVE February 1, 2014

/s/ Billie J. Richert

ISSUED BY: Billie J. Richert,
Vice President Accounting, Rates, and Chief Financial
Officer

Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

Original SHEET NO. 44

CANCELLING P.S.C. KY. No. 26

Original SHEET NO. 39

RATES, TERMS AND CONDITIONS—SECTION 4

STANDARD RATE—QFP—Cogeneration/Small Power Production Purchase Tariff—Over 100 KW—(continued)

(3) Firm Energy Purchase Rates:

The Energy Purchase Rates (EPR) in \$ per megawatt hour, which is payable to a QF for delivery of energy, shall be equal to Big Rivers' actual variable fuel expenses for Big Rivers' owned coal fired production facilities, divided by the associated megawatt hours of generation, as determined for the previous month. The total amount of the avoided energy cost payment to be made to a QF in an hour is equal to [EPR x EQF] where EQF is the amount of megawatt hours delivered by a QF in that hour and which are determined by suitable metering.

Payment:

Big Rivers shall pay each bill for electric power rendered to it in accordance with the terms of the contract, within 30 days of the date the bill is rendered.

System Emergencies:

During system emergencies, Big Rivers may discontinue purchases or the QF may be required to provide energy or capacity in accordance with 807 KAR 5:054 Section 6.

Interconnection:

Big Rivers requires a three party interconnection agreement among the QF Member, Big Rivers, and the Member Cooperative prior to service under this tariff. Big Rivers shall make interconnections with the Member Cooperative, the QF Member, or both as required and the QF Member will pay for the interconnection costs in accordance with 807 KAR 5:054 Section 6 and the interconnection agreement.

Loss Compensation:

Power and energy purchased by Big Rivers pursuant to this rate schedule which must be transmitted to Big Rivers' transmission system across or through utilities owned by a Member Cooperative shall be subject to an adjustment to reflect losses between the QF and the point of delivery to the Big Rivers transmission system.

DATE OF ISSUE May 15, 2014
 DATE EFFECTIVE February 1, 2014

/s/ Billie J. Richert

ISSUED BY: Billie J. Richert,
Vice President Accounting, Rates, and Chief Financial
Officer

Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420
 Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199



(Name of Utility)

For All Territory Served By Cooperative's Transmission System	
P.S.C. KY. No.:	27
Original	SHEET NO. 42
CANCELLING P.S.C. KY. No. 26	
Original	SHEET NO. 40

~~RATES, TERMS AND CONDITIONS—SECTION 1~~

~~**STANDARD RATE—QFS—Cogeneration/Small Power Production Sales Tariff—Over 100 KW**~~

Availability:

~~Available to any Member Cooperative for service to any member of the Member Cooperative with cogeneration and/or small power production facility (i) that has net output of less than 5,000 kW and (ii) which meets the criteria for Qualifying Facility of 807 KAR 5:054 Section 4. Charges for the services under this tariff to any Member Cooperative for service to any member of the Member Cooperative with a cogeneration and/or small power production facility shall be established by contract.~~

Applicability:

~~Applicable to purchases made by a Member Cooperative for service to any QF Member of a Member Cooperative with a total capacity requirement of 100 kW or more with on-site generation of 100 kW or more operating in excess of 200 hours per year, electrically engineered so that it can meet part or all of its load with its own generation, for service not covered by one of Big Rivers' other rates. The QF Member shall have the option to provide all or part of its load with its own generation in which case that portion of the QF Member's load requirements not met by the QF shall be provided to the Member Cooperative under this tariff and all requirements for back-up or maintenance service for the QF Member shall be provided under this tariff. Otherwise, the QF Member may sell all of the output of its QF in which case the QF Member's load requirements shall be provided to the Member Cooperative under the terms and conditions of one or more of Big Rivers' standard rates applicable to the load requirements and type of service of the QF Member.~~

Definitions:

~~Please see Section 4 for definitions common to all tariffs.~~

~~Off System Sales Transaction—"Off System Transaction" means sales of electric energy by Big Rivers other than to the Member Cooperatives and Henderson Municipal Power and Light.~~

~~QF Member—"QF Member" means a member of a Member Cooperative with a QF.~~

~~Third Party Suppliers—"Third Party Suppliers" means any supplier of wholesale electric service to Big Rivers other than SEPA and Henderson Municipal Power and Light.~~

DATE OF ISSUE May 15, 2014
DATE EFFECTIVE February 1, 2014

/s/ Billie J. Richert

ISSUED BY: Billie J. Richert,
Vice President Accounting, Rates, and Chief Financial
Officer

Big Rivers Electric Corporation, 201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 43

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 43

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

~~STANDARD RATE – QFS – Cogeneration/Small Power Production Sales Tariff – Over 100 KW – (continued)~~

[T]
[D]

~~Conditions of Service:~~

~~To receive service hereunder, the Member Cooperative must:~~

~~Obtain from the QF Member an executed, written contract for electric service hereunder on terms acceptable to Big Rivers. Such contract shall set forth any specific arrangements between the parties based on individual circumstances and shall:~~

~~Specify the maximum capacity to be made available to the QF Member on an unscheduled basis in any hour (Maximum Unscheduled Capacity), and~~

~~If desired by the QF Member, specify the terms and conditions for the delivery of Maintenance Service, and~~

~~If desired by the QF Member, specify the capacity of on-site generation for which interruptible unscheduled back-up and interruptible scheduled maintenance power may be provided, and~~

~~Specify any other term or condition which the Member Cooperative or Big Rivers may require for service used by a QF Member, taking into account the nature of use, the quality used, the quantity used, the time when used, the purpose for which used, and any other reasonable consideration, and~~

~~Enter into a contract with Big Rivers, or amend an existing contract with Big Rivers, to specify the terms and conditions of service between Big Rivers and the Member Cooperative regarding the power supply for the QF Member.~~

DATE OF ISSUE ~~May 15, 2014~~ March 1, 2023
DATE EFFECTIVE ~~February 1, 2014~~ April 1, 2023

/s/ Robert W. Berry ~~Billie J. Riebert~~

ISSUED BY: ~~Robert W. Berry~~ Billie J. Riebert,
~~President~~ Vice President Accounting, Rates, and Chief
~~Executive Financial Officer~~
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
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(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

~~First Revised~~~~Original~~ SHEET NO. 44

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 44

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

~~STANDARD RATE QFS Cogeneration/Small Power Production Sales Tariff Over 100 KW (continued)~~

For Each QF Member, the Member Cooperative Will be Billed Monthly for:

- ~~Supplementary Service (capacity and energy).~~
- ~~Unscheduled Back up Service, if any (capacity charge only).~~
- ~~Maintenance Service (capacity and energy), if any.~~
- ~~Excess Demand, if any.~~
- ~~Additional charges, if any.~~

Monthly Charges for Sales to a Member Cooperative for Service to a QF Member:

~~Supplementary Service:~~

~~Supplementary demand shall be the QF Member's highest actual demand (adjusted for distribution losses if applicable) measured during the month, excluding Scheduled Maintenance Demand up to but not exceeding the actual measured demands in each demand interval during a Maintenance Schedule, and supplementary energy shall be the actual measured energy (adjusted for distribution losses if applicable), excluding Maintenance Energy sold to the QF by the Member Cooperative in each month. The monthly charges for supplementary demand and energy shall be according to the rates set forth in Big Rivers' Standard Rate Schedule RDS.~~

~~Unscheduled Back up Service:~~

~~Unscheduled Back up Demand is the QF Member's Maximum Unscheduled Capacity minus the Supplementary Billing Demand for the month. In months in which Maintenance Service has been Scheduled, appropriate credit for Scheduled Maintenance Demand shall be applied to the Unscheduled Back up Demand such that the Member Cooperative will not be charged for Unscheduled Back up Demand in addition to Scheduled Maintenance Demand when Scheduled~~

[T]

[D]

DATE OF ISSUE May 15, 2014 ~~March 1, 2023~~

DATE EFFECTIVE February 1, 2014 ~~April 1, 2023~~

/s/ Robert W. Berry ~~Billie J. Riebert~~

ISSUED BY: ~~Robert W. Berry~~ ~~Billie J. Riebert~~,
 President ~~Vice President Accounting, Rates, and Chief~~
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By Cooperative's Transmission System P.S.C. KY. No.	27
First Revised Original	SHEET NO. 45
CANCELLING P.S.C. KY. No.	27
Original	SHEET NO. 45

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

~~STANDARD RATE – QFS – Cogeneration/Small Power Production Sales Tariff – Over 100 KW – (continued)~~

[T]
[D]

~~Maintenance Service is being provided. The monthly charges to a Member Cooperative for Unscheduled Back-up Demand shall be:~~

~~One hundred ten percent (110%) of Big Rivers' actual cost, including transmission service, to import energy from a Third Party supplier to supply the Unscheduled Back-up Service for the QF Members:~~

~~Maximum Unscheduled Capacity shall initially be the amount as specified by the QF Member per contract with the Member Cooperative, but in no case less than the actual demand delivered in any month, including the current month. Big Rivers will accept a reduction in the Maximum Unscheduled Capacity upon twelve (12) months advance notice from the Member Cooperative. Said notice must specify the reduction in kW's and the basis for the lower requirements. All energy shall be billed as either supplementary energy or maintenance energy.~~

~~Maintenance Service:~~

~~Maintenance Service shall be available to a Member Cooperative to back up a QF Member's QF only if the Member Cooperative has scheduled delivery of the maintenance services in advance with Big Rivers. The Member Cooperative may schedule up to four weeks of seven consecutive days each per year of such service for a QF Member, subject to scheduling of such usage by Big Rivers. The Member Cooperative may reschedule at any time by giving a forty eight (48) hour notice to Big Rivers. Scheduled Maintenance Demand may not exceed the design capacity of the QF Member's QF. Maintenance Service will be available on an on peak or off peak basis. The selection of on peak Maintenance Service entitles the Member Cooperative to schedule the service for the QF Member at any time. The selection of off peak Maintenance Service entitles the Member Cooperative to schedule the service for the QF Member only during those hours not designated as on peak. The designated on peak hours are as follows:~~

~~Summer on peak usage is defined as power requirements occurring between the hours beginning 6:00 AM CPT and ending 10:00 PM CPT on any weekday from May 1 through September 30.~~

DATE OF ISSUE	May 15, 2014 <u>March 1, 2023</u>
DATE EFFECTIVE	February 1, 2014 <u>April 1, 2023</u>

/s/ Robert W. Berry ~~Billie J. Riebert~~

ISSUED BY: ~~Robert W. Berry~~ Billie J. Riebert,
 President ~~Vice President Accounting, Rates, and Chief~~
 Executive ~~Financial~~ Officer
 Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
 42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
 in Case No. 2013-00199*



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

~~First Revised~~Original SHEET NO. 46

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 46

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

~~STANDARD RATE – QFS – Cogeneration/Small Power Production Sales Tariff – Over 100 KW – (continued)~~

[T]
[D]

~~Winter on peak usage is defined as power requirements occurring between the hours beginning 6:00 AM CPT and ending 10:00 PM CPT on any weekday from December 1 through March 31.~~

~~Off peak usage is defined as all power requirements not included in "Summer on peak usage" or "Winter on peak usage" as defined in the two preceding paragraphs, respectively.~~

~~The charges for On peak Maintenance Service shall be the greater of:~~

~~\$3.2200 per kW of Scheduled Maintenance Demand per week, plus~~

~~\$0.045000 per kWh of Maintenance Energy; or~~

~~110% of the price at the time of scheduling of a block of energy obtainable by Big Rivers in the futures market which is sufficient to meet the Member Cooperative's scheduled Maintenance Service requirements.~~

~~The charges for Off peak Maintenance Service shall be:~~

~~\$3.2200 per kW of Scheduled Maintenance Demand per week, plus~~

~~According to Standard Rate Schedule RDS per kWh of maintenance energy shall be the amount of energy purchased by the Member Cooperative for the QF Member in each hour during Scheduled Maintenance Service up to but not exceeding the Scheduled Maintenance Demand in each hour.~~

Excess Demand:

~~Excess demand is the amount in any hour by which the actual demand, less any Maintenance Demand, exceeds the previously established Maximum Unscheduled Capacity. Charges for Excess Energy Demand shall be in addition to the charges for Supplementary Service and shall be either:~~

DATE OF ISSUE May 15, 2014 March 1, 2023
DATE EFFECTIVE February 1, 2014 April 1, 2023

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: Robert W. Berry ~~Billie J. Richert,~~
President ~~Vice President Accounting, Rates, and Chief~~
Executive Financial Officer
Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
42301 201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
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(Name of Utility)

For All Territory Served By Cooperative's Transmission System P.S.C. KY. No.	27
First Revised Original	SHEET NO. 47
CANCELLING P.S.C. KY. No.	27
Original	SHEET NO. 47

RATES, TERMS AND CONDITIONS – SECTION 1

Reserved for Future Use

~~STANDARD RATE – QFS – Cogeneration/Small Power Production Sales Tariff – Over 100 KW – (continued)~~

[T]
[D]

~~One hundred ten percent (110%) of Big Rivers' actual cost, including transmission service, to import energy from a third Party supplier to supply the Excess Demand of the Member Cooperative for the QF Member; or import energy from a Third Party Supplier to supply the Excess Demand of the Member Cooperative for the QF Member; or~~

~~If it is not necessary for Big Rivers to import energy from a Third Party Supplier, charges for Excess Demand shall be the greater of: a) the applicable demand charge in Standard Rate Schedule RDS times the highest Excess Demand recorded during the month; or b) 110% of the highest price received by Big Rivers during an Off System Sales Transaction during the month times the sum of the Excess Demands measured during the month.~~

~~Big Rivers shall be the sole determinant of when and under what circumstances it is required to import energy from a Third Party Supplier to provide Excess Demand.~~

Additional Charges:

~~Any and all costs incurred by Big Rivers as a result of the QF's failure to generate, including, without limitation, ancillary services necessary to maintain reliability on the Big Rivers' system, shall be charged to the Member Cooperative in addition to all other charges.~~

Interruptible Service:

~~Interruptible Supplementary Service or Interruptible Back up Service will be made available, upon request. Terms and conditions of interruptible service will be as negotiated under special contract according to the terms of 807 KAR 5:054.~~

DATE OF ISSUE ~~May 15, 2014~~ March 1, 2023
DATE EFFECTIVE ~~February 1, 2014~~ April 1, 2023

/s/ Robert W. Berry ~~Billie J. Riebert~~

ISSUED BY: Robert W. Berry ~~Billie J. Riebert~~,
President ~~Vice President Accounting, Rates, and Chief~~
Executive ~~Financial~~ Officer
Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
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(Name of Utility)

For All Territory Served By Cooperative's Transmission System P.S.C. KY. No.	27
First Revised Original	SHEET NO. 48
CANCELLING P.S.C. KY. No.	27
Original	SHEET NO. 48

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

~~STANDARD RATE – QFS – Cogeneration/Small Power Production Sales Tariff – Over 100 KW – (continued)~~

[T]
[D]

~~Interconnections:~~

~~Big Rivers requires a three party interconnection agreement between the QF Member, Big Rivers, and the Member Cooperative prior to service under this tariff. Big Rivers shall make inter-connections with the Member Cooperative, or the QF Member, or both as required and the QF Member will pay for the inter-connection costs in accordance with 807 KAR 5:054 Section 6 and the interconnection agreement.~~

~~System Emergencies:~~

~~During System Emergencies, Big Rivers may discontinue sales in accordance with 807 KAR 5:054 Section 6.~~

~~Loss Compensation:~~

~~Power and energy delivered by Big Rivers pursuant to this rate schedule shall be metered at or compensated to Big Rivers' point of delivery to the Member Cooperative. Where metering of the QF Member's load is at a point of delivery on a Member Cooperative's distribution system, metered demand and energy shall be adjusted to compensate for distribution losses prior to billing hereunder.~~

DATE OF ISSUE ~~May 15, 2014~~ March 1, 2023
DATE EFFECTIVE ~~February 1, 2014~~ April 1, 2023

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: Robert W. Berry ~~Billie J. Richert~~,
President ~~Vice President Accounting, Rates, and Chief~~
Executive ~~Financial~~ Officer
Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
42301 ~~201 Third Street, Henderson, KY 42420~~
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
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Your Touchstone Energy® Cooperative

(Name of Utility)

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

27

~~First Revised~~Original SHEET NO. 49

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 49

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

STANDARD RATE – QFS – Cogeneration/Small Power Production Sales – Over 100 KW Billing Form

[T]
[D]

BIG RIVERS ELECTRIC CORP.		INVOICE P.-O.-BOX-24 MONTH-ENDING-mm/dd/yy		HENDERSON, KY 42419-0024		
TO: COGENERATOR AND SMALL POWER PRODUCER SALES				ACCOUNT		
DELIVERY POINTS				SERVICE FROM	mm/dd/yy	THRU mm/dd/yy
				USAGE:		
USAGE	DEMAND	TIME	DAY	METER	MULT	KW-DEMAND
		00:00 A. (or-P)	mm/dd		4000	00,000
POWER FACTOR		BASE	PEAK	AVERAGE		KW-DEMAND-BILLED
SUPPLEMENTAL DEMAND	00.00%	00.00%	00.00%	00.00%	4000	000,000
UNSCHEDULED BACKUP DEMAND	00.00%	00.00%	00.00%	00.00%	4000	000,000
EXCESS DEMAND	00.00%	00.00%	00.00%	00.00%	4000	000,000
CUMULATIVE EXCESS DEMAND	00.00%	00.00%	00.00%	00.00%	4000	000,000
		PREVIOUS	PRESENT	DIFFERENCE	MULT.	KWH USED
ENERGY		00000.000	00000.000	0000.000	4000	00,000,000
SUPPLEMENTAL ENERGY		00000.000	00000.000	0000.000	4000	00,000,000
MAINTENANCE ENERGY		00000.000	00000.000	0000.000	4000	00,000,000
SUPPLEMENTARY SERVICE						
DEMAND			kW — TIMES	\$		EQUALS \$
P/F PENALTY			kW — TIMES	\$		EQUALS \$
ENERGY			kWh — TIMES	\$		EQUALS \$
SUBTOTAL						\$
UNSCHEDULED BACK-UP SERVICE						
DEMAND			kW — TIMES	\$		EQUALS \$
MAINTENANCE SERVICE ON-PEAK						
DEMAND PER WEEK (IF APPLICABLE)			kW — TIMES	\$		EQUALS \$
ENERGY (IF APPLICABLE)			kWh — TIMES	\$		EQUALS \$
SCHEDULE ENERGY BLOCK (IF APPLICABLE)						\$
TOTAL AMOUNT DUE						\$
OFF-PEAK						
DEMAND PER WEEK			kW — TIMES	\$		EQUALS \$
ENERGY			kWh — TIMES	\$		EQUALS \$
SUBTOTAL						\$
EXCESS SERVICE						
EXCESS DEMAND (IF APPLICABLE)			kW — TIMES	\$		EQUALS \$
CUMULATIVE EXCESS DEMAND (IF APPLICABLE)			kW — TIMES	\$		EQUALS \$
IMPORTED EXCESS ENERGY (IF APPLICABLE)			kWh — TIMES	\$		EQUALS \$
TOTAL AMOUNT DUE						\$
						TOTAL AMOUNT DUE
						\$ 00,000.00
LOAD FACTOR						
ACTUAL	BILLED					MILLS PER KWH
00.00%	00.00%					00.00

DUE IN IMMEDIATELY AVAILABLE FUNDS ON OR BEFORE THE FIRST WORKING DAY AFTER THE 24TH OF THE MONTH

DATE OF ISSUE May 15, 2014 ~~March 1, 2023~~
DATE EFFECTIVE February 1, 2014 ~~April 1, 2023~~

/s/ Robert W. Berry ~~Billie J. Richert~~

ISSUED BY: Robert W. Berry ~~Billie J. Richert~~,
President ~~Vice President Accounting, Rates, and Chief~~
Executive ~~Financial~~ Officer
Big Rivers Electric Corporation, 710 W. Second Street, Owensboro, KY
42301201 Third Street, Henderson, KY 42420
*Issued by Authority of an Order of the Commission, Dated April 25, 2014,
in Case No. 2013-00199*

Big Rivers Electric Corporation Table of Contents

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DATE OF ISSUE March 1, 2023
 DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
 Big Rivers Electric Corporation, 710 W. 2nd Street, Owensboro, KY 42301



For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27
First Revised SHEET NO. 39
CANCELLING P.S.C. KY. No. 27
Original SHEET NO. 39

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW

[T]

Availability:

Available only to qualified cogeneration or small power production facilities with a design capacity of over 100 kW with a design capacity of over 100 kW and less than or equal to 5 MW that have executed a contract with Big Rivers and the applicable Big Rivers Member Cooperative for service hereunder.

Pursuant to Federal Energy Regulatory Commission ("FERC") regulations 18 C.F.R. §§ 292.303(a), 292.309, and 292.310, Big Rivers is not obligated to purchase electric energy and/or capacity from qualifying cogeneration or small power production facilities with a net capacity of over five (5) MW.

Charges for the services under this tariff to any Member Cooperative for service to any member of the Member Cooperative with a qualifying cogeneration and/or small power production facility shall be established by contract.

Applicability:

A QF Member may sell to Big Rivers the output of its QF in excess of its own load requirements. That portion of the QF Member's load requirements not met by the QF shall be provided to the Member Cooperative under the terms and conditions of one or more of Big Rivers' standard rates applicable to the load requirements and type of service of the QF Member.

This tariff replaces Big Rivers' QFP and QFS tariffs, and this tariff shall be applicable in place of the QFP or QFS tariffs when such tariffs are referenced in other tariffs or contracts.

DATE OF ISSUE March 1, 2023
DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27
First Revised SHEET NO. 40
CANCELLING P.S.C. KY. No. 27
Original SHEET NO. 40

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW – (continued)

[T]

Definitions:

Please see Section 4 for definitions common to all tariffs.

QF – “QF” means a cogeneration or small power production facility meeting the criteria for Qualifying Facility of 807 KAR 5:054 Section 4.

QF Member – “QF Member” means a member of a Member Cooperative with a QF with a design capacity of over 100 kW and less than or equal to 5 MW.

Monthly Credits or Payments for Delivery to Big Rivers:

The rates set forth below shall be used as the basis for negotiating a final purchase rate with QF Members pursuant to 807 KAR 5:054 Section 7.

1. Capacity – A QF Member selling capacity to Big Rivers will be credited monthly for the QF's electric capacity accredited by MISO at the MISO Planning Resource Auction (“PRA”) Auction Clearing Price (“ACP”) for the Big Rivers zone for the applicable resource auction time period.
2. Energy - A QF Member will be credited monthly for any electric power produced by its generation facilities and sold to Big Rivers at the actual locational marginal price for energy set by MISO at the applicable load node during each hour of the day at the time of delivery.

Terms and Conditions:

1. The QF of a QF Member must meet the definition set forth in 807 KAR 5:054 to be eligible for this tariff.
2. Seller must provide good quality electric power within a reasonable range of voltage, frequency, flicker, harmonic currents, and power factor.

DATE OF ISSUE March 1, 2023
DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

First Revised SHEET NO. 41

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 41

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW – (continued)

[T]

Terms and Conditions: – (continued)

3. A QF Member shall provide reasonable protection for Big Rivers' and the Member Cooperative's systems.
4. A QF Member shall design, construct, install, own, operate, and maintain the QF in accordance with all applicable codes, laws, regulations, and generally accepted utility practices.
5. A QF Member shall obtain insurance in the following minimum amounts for each occurrence:
 - a. Public Liability for Bodily Injury - \$1,000,000.00
 - b. Property Damage - \$500,000.00
6. For QFs to which this tariff is applicable, all power from the QF will be sold only to Big Rivers.
7. The QF Member shall enter into a contract with the Member Cooperative and Big Rivers. Such contract shall set forth any specific arrangements between the parties based on individual circumstances and shall:
 - o Have an initial contract term for one year that continues from year-to-year thereafter unless cancelled by a party with not less than one year's written notice;
 - o Specify whether the QF Member's generation is dispatchable or non-dispatchable;
 - o Specify whether the QF Member's generation is providing firm or non-firm capacity and energy;
 - o Specify any other term or condition which the Member Cooperative or Big Rivers may require for service used by a QF Member, taking into account the nature of use, the quality used, the quantity used, the time when used, the purpose for which used, and any other reasonable consideration.
8. QF Members with a non-dispatchable generation facility or who are proposing to supply as-available (non-firm) electric power shall not be entitled to a capacity payment.
9. The QF Member providing firm electric power is responsible for the cost of all facilities on the QF Member's site to meet and maintain eligibility as a MISO capacity resource and the QF Member is subject to all non-performance costs levied by MISO or its successor, the Kentucky Public Service Commission, or other applicable entity related to nonperformance of the QF.
10. In negotiating a final purchase rate, consideration shall be given to the factors affecting purchase rates as set forth in 807 KAR 5:054 Section 7(5)(a).

DATE OF ISSUE March 1, 2023
 DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
 President and Chief Executive Officer
 Big Rivers Electric Corporation, 710 W. Second Street,
 Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
 Cooperative's Transmission System
 P.S.C. KY. No. 27

First Revised SHEET NO. 42

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 42

RATES, TERMS AND CONDITIONS – SECTION 1

STANDARD RATE – QF - Qualified Cogeneration/Small Power Production Facility Tariff – Over 100 KW – (continued)

[T]

Additional Charges:

Any and all costs incurred by Big Rivers as a result of the QF's failure to generate, including, without limitation, ancillary services necessary to maintain reliability on the Big Rivers' system and MISO RSG charges, may be charged to the QF Member in addition to all other charges.

Interconnections:

Big Rivers requires a three-party interconnection agreement between the QF Member, Big Rivers, and the Member Cooperative prior to service under this tariff. Big Rivers shall make interconnections with the Member Cooperative, or the QF Member, or both as required, and the QF Member will pay for the interconnection costs in accordance with 807 KAR 5:054 Section 6 and the interconnection agreement.

System Emergencies:

During system emergencies, Big Rivers may discontinue sales in accordance with 807 KAR 5:054 Section 6.

Loss Compensation:

Power and energy delivered by Big Rivers pursuant to this rate schedule shall be metered at or compensated to Big Rivers' point of delivery to the Member Cooperative. Where metering of the QF Member's load is at a point of delivery on a Member Cooperative's distribution system, metered demand and energy shall be adjusted to compensate for distribution losses prior to billing hereunder.

DATE OF ISSUE March 1, 2023
 DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
 President and Chief Executive Officer
 Big Rivers Electric Corporation, 710 W. Second Street,
 Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 43

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 43

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

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[D]



DATE OF ISSUE March 1, 2023
DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 44

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 44

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

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DATE OF ISSUE March 1, 2023
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/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 45

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 45

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

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DATE OF ISSUE March 1, 2023
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/s/ Robert W. Berry

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Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 46

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 46

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

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DATE OF ISSUE March 1, 2023
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/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 47

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 47

RATES, TERMS AND CONDITIONS – SECTION 1

Reserved for Future Use

[T]
[D]



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/s/ Robert W. Berry

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Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 48

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 48

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

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DATE OF ISSUE March 1, 2023
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/s/ Robert W. Berry

ISSUED BY: Robert W. Berry,
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301



Your Touchstone Energy® Cooperative

(Name of Utility)

For All Territory Served By
Cooperative's Transmission System
P.S.C. KY. No. 27

First Revised SHEET NO. 49

CANCELLING P.S.C. KY. No. 27

Original SHEET NO. 49

RATES, TERMS AND CONDITIONS – SECTION 1

[Reserved for Future Use]

[T]
[D]



DATE OF ISSUE March 1, 2023
DATE EFFECTIVE April 1, 2023

/s/ Robert W. Berry

ISSUED BY: Robert W. Berry
President and Chief Executive Officer
Big Rivers Electric Corporation, 710 W. Second Street,
Owensboro, KY 42301

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**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

5 In the Matter of:

**QF – QUALIFIED CONGENERATION/SMALL)
POWER PRODUCTION FACILITY TARIFF –)
OVER 100 KW FILING OF BIG RIVERS)
ELECTRIC CORPORATION)**

**TFS No.
2023-00_____**

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DIRECT TESTIMONY OF JOHN WOLFRAM

I. INTRODUCTION

9 **Q. State your name, occupation, and business address.**

10 A. My name is John Wolfram. I am the Principal of Catalyst Consulting
11 LLC. My business address is 3308 Haddon Road, Louisville, Kentucky
12 40241.

13 **Q. On whose behalf are you testifying?**

14 A. I am testifying on behalf of Big Rivers Electric Corporation (“*Big Rivers*”).

15 **Q. Briefly describe your education and work experience.**

16 A. I received a Bachelor of Science degree in Electrical Engineering from the
17 University of Notre Dame in 1990 and a Master of Science degree in
18 Electrical Engineering from Drexel University in 1997. I founded
19 Catalyst Consulting, LLC in June of 2012. From March 2010 through
20 May 2012, I was a Senior Consultant with The Prime Group, LLC. I have
21 developed cost of service studies and designed rates for numerous electric
22 and gas utilities, including electric distribution cooperatives, generation
23 and transmission cooperatives, municipal utilities, and investor-owned

1 utilities. I have performed economic analyses, rate mechanism reviews,
2 ISO/RTO membership evaluations, and wholesale formula rate reviews. I
3 have also been employed by the parent companies for Louisville Gas and
4 Electric Company and Kentucky Utilities Company, and by the Cincinnati
5 Gas & Electric Company. I began my career at the PJM Interconnection.
6 A more detailed description of my qualifications is included in Exhibit
7 Wolfram-1.

8 **Q. Have you ever testified before the Kentucky Public Service**
9 **Commission (the “Commission”)?**

10 A. Yes. I have testified in numerous regulatory proceedings before the
11 Commission. A listing of my testimony in other proceedings is included in
12 Exhibit Wolfram-1.

13 **Q. What is the purpose of your testimony?**

14 A. The purpose of my testimony is to support the QF– Qualified
15 Cogeneration/Small Power Production Facility Tariff – Over 100 KW rate
16 schedule that Big Rivers submits in this docket, pursuant to the Order of
17 the Commission in Case No. 2021-00289.¹ The proposed rate schedule
18 replaces Big Rivers’ existing QFS and QFP tariffs.

19

¹ See *In The Matter Of: Electronic Tariff Filing Of Big Rivers Electric Corporation And Kenergy Corp. To Implement A New Standby Service Tariff*, Order (Mar. 3, 2022), Ordering Paragraph 3.

1 **II. QF RATE SCHEDULE**

2 **Q. Please describe the QF rate schedule submitted in this filing.**

3 A. The QF rate schedule is available to any cogeneration and/or small power
4 production facility (i) that has a net output of between 100 kW and 5,000
5 kW, and (ii) that meets the criteria for Qualifying Facility set forth in 807
6 KAR 5:054 Section 4 (“*QF Member*”).

7 **Q. Please describe the rates for capacity and energy in the QF rate**
8 **schedule submitted in this filing.**

9 A. The tariff specifies what Big Rivers shall use as the basis for negotiating a
10 final purchase rate with QF Members. Credits are separately described
11 for capacity and for energy, consistent with 807 KAR 5:054 Section 7(4).

12 **Q. What is the basis for the proposed capacity credit?**

13 A. The capacity amount will be the QF Member’s capacity accredited by the
14 Midcontinent Independent System Operator (“*MISO*”). The capacity
15 credit is MISO’s Planning Resource Auction (“*PRA*”) Auction Clearing
16 Price (“*ACP*”) for the Big Rivers zone for the applicable resource auction
17 time period.²

18 **Q. Why use the MISO PRA ACP for determining the capacity credit?**

19 A. The MISO PRA ACP is representative of Big Rivers’ avoided capacity cost,
20 or the incremental costs that, but for the purchase of capacity from a QF

² Before 2023, MISO conducted its PRA on an annual basis. In April 2023, MISO will implement the new seasonal PRA construct on a quarterly basis, as approved by FERC on August 31, 2022, in Docket No. ER22-495.

1 or other facility, Big Rivers would have to either purchase or generate.
2 The MISO PRA ACP is the value at which MISO provides capacity; it is
3 the price at which Big Rivers is compensated for its generating capacity,
4 and the price at which Big Rivers would purchase capacity if needed.

5 **Q. What is the basis for the proposed energy credit?**

6 A. The energy credit is based on the actual Locational Marginal Price
7 (“LMP”) for energy set by MISO at the applicable load node during each
8 hour of the day at the time of delivery of energy by the QF.

9 **Q. Why use LMP as the basis for the energy credit?**

10 A. Big Rivers participates in the day-ahead and real-time MISO energy
11 markets. The LMP represents the avoided energy cost for Big Rivers, or
12 the incremental costs that, but for the purchase of energy from a QF or
13 other facility, Big Rivers would have to either purchase or generate. This
14 method reflects the real-time cost that Big Rivers would otherwise pay to
15 purchase energy in the MISO energy market if needed.

16 **Q. How do the proposed QF capacity and energy charges compare to**
17 **those approved by the Commission for East Kentucky Power**
18 **Cooperative (“EKPC”)?**

19 A. The approach proposed by Big Rivers is very similar to that incorporated
20 into the QF rates for EKPC as approved by the Commission.³ EKPC is a

³ See *In the Matter of: Electronic Tariff Filing of East Kentucky Power Cooperative, Inc. and Its Member Distribution Cooperatives for Approval of Proposed Changes to Their Qualified Cogeneration and Small Power Production Facilities Tariffs*, P.S.C. Case No. 2021-00198, Order (Oct. 26, 2021).

1 member of PJM, while Big Rives is a member of MISO. The wholesale
2 markets for the two RTOs are based on the same principles: the energy
3 markets are based on real time LMP, and the capacity markets are based
4 on auctions for accredited capacity resources. For these reasons, the
5 proposed QF tariff rates for Big Rivers are conceptually similar to those
6 effective for EKPC.

7 **Q. Are the rates, terms, and conditions of the QF rate schedule fair,**
8 **just and reasonable?**

9 A. Yes. The rates are based on sound cost-of-service principles and are based
10 on Big Rivers' avoided costs as described in 807 KAR 5:054 Section 1(1).
11 The terms and conditions are consistent with those already approved by
12 the Commission.

13 **Q. Does the QF Rate Schedule include a market administration**
14 **charge, similar to that in the EKPC QF tariffs?**

15 A. No. Because there are only two QF Members on the Big Rivers system at
16 this time, Big Rivers has elected initially to not include a charge to cover
17 Big Rivers' market participation costs, such as a market administration
18 fee. Big Rivers may seek to add a market administration fee to this tariff
19 in the future.

20

1 **III. CONCLUSION**

2 **Q. Please summarize your conclusion and recommendation.**

3 A. The proposed QF rate schedule is fair, just, and reasonable. The tariff
4 rates are based on sound cost-of-service principles and incorporate
5 avoided costs as described in 807 KAR 5:054 Section 1(1). The tariff terms
6 and conditions are consistent with other, Commission-approved tariffs of
7 this sort. For these reasons, the Commission should accept the QF rate
8 schedule as filed.

9 **Q. Does this conclude your testimony?**

10 A. Yes.

JOHN WOLFRAM

Summary of Qualifications

Provides consulting services to investor-owned utilities, rural electric cooperatives, and municipal utilities regarding utility rate and regulatory filings, cost of service studies, wholesale and retail rate designs, tariffs and special contracts, formula rates, and other analyses.

Employment

CATALYST CONSULTING LLC

Principal

June 2012 – Present

Provide consulting services in the areas of tariff development, formula rates, regulatory analysis, economic development, revenue requirements, cost of service, rate design, special rates, audits, rate filings, and other utility regulatory areas.

THE PRIME GROUP, LLC

Senior Consultant

March 2010 – May 2012

LG&E and KU, Louisville, KY

(Louisville Gas & Electric Company and Kentucky Utilities Company)

Director, Customer Service & Marketing (2006 - 2010)

Manager, Regulatory Affairs (2001 - 2006)

Lead Planning Engineer, Generation Planning (1998 - 2001)

Power Trader, LG&E Energy Marketing (1997 - 1998)

1997 - 2010

PJM INTERCONNECTION, LLC, Norristown, PA

Project Lead – PJM OASIS Project

Chair, Data Management Working Group

1990 - 1993; 1994 - 1997

CINCINNATI GAS & ELECTRIC COMPANY, Cincinnati, OH

Electrical Engineer - Energy Management System

1993 - 1994

Education

Bachelor of Science Degree in Electrical Engineering, University of Notre Dame, 1990

Master of Science Degree in Electrical Engineering, Drexel University, 1997

Leadership Louisville, 2006

Associations

Senior Member, Institute of Electrical and Electronics Engineers (“IEEE”) & Power Engineering Society

Articles

“FERC Formula Rate Resurgence” *Public Utilities Fortnightly*, Vol. 158, No. 9, July 2020, 34-37.

“Economic Development Rates: Public Service or Piracy?” *IAEE Energy Forum*, International Association for Energy Economics, 2016 Q1 (January 2016), 17-20.

Presentations

“New Developments in Kentucky Rate Filings” presented to Kentucky Electric Cooperatives Accountants' Association Summer Meeting, Jun. 2022.

“Avoiding Shock: Communicating Rate Changes” presented to APPA Business & Financial Conference, Sep. 2020.

“Revisiting Rate Design Strategies” presented to APPA Public Power Forward Summit, Nov. 2019.

“Utility Rates at the Crossroads” presented to APPA Business & Financial Conference, Sep. 2019.

“New Developments in Kentucky Rate Filings” presented to Kentucky Electric Cooperatives Accountants' Association Summer Meeting, Jun. 2019.

“Electric Rates: New Approaches to Ratemaking” presented to CFC Statewide Workshop for Directors, Jan. 2019.

“The Great Rate Debate: Residential Demand Rates” presented to CFC Forum, Jun. 2018.

“Benefits of Cost of Service Studies” presented to Tri-State Electric Cooperatives Accountants' Association Spring Meeting, Apr. 2017.

“Proper Design of Utility Rate Incentives” presented to APPA/Area Development's Public Power Consultants Forum, Mar. 2017.

“Utility Hot Topics and Economic Development” presented to APPA/Area Development's Public Power Consultants Forum, Mar. 2017.

“Emerging Rate Designs” presented to CFC Independent Borrowers Executive Summit, Nov. 2016.

“Optimizing Economic Development” presented to Grand River Dam Authority Municipal Customer Annual Meeting, Sept. 2016.

“Tomorrow's Electric Rate Designs, Today” presented to CFC Forum, Jun. 2016.

“Reviewing Rate Class Composition to Support Sound Rate Design” presented to EEI Rate and Regulatory Analysts Group Meeting, May 2016.

“Taking Public Power Economic Development to the Next Level” presented to APPA/Area Development's Public Power Consultants Forum, Mar. 2016.

“Ratemaking for Environmental Compliance Plans” presented to NARUC Staff Subcommittee on Accounting and Finance Fall Conference, Sep. 2015.

“Top Utility Strategies for Successful Attraction, Retention & Expansion” presented to APPA/Area Development's Public Power Consultants Forum, Mar. 2015.

“Economic Development and Load Retention Rates” presented to NARUC Staff Subcommittee on Accounting and Finance Fall Conference, Sep. 2013.

“Rates for Distributed Generation” presented to 2010 Electric Cooperative Rate Conference, Oct. 2010.

“What Utilities Can Do to Advance Energy Efficiency in Kentucky” panel session of Second Annual Kentucky Energy Efficiency Conference, Oct. 2007.

Expert Witness Testimony & Proceedings

FERC

Submitted direct testimony for Black Hills Colorado Electric, LLC in FERC Docket No. ER22-2185 regarding a proposed Transmission Formula Rate.

Submitted testimony for Evergy Kansas Central, Inc. and Evergy Generating, Inc. in FERC Docket Nos. ER22-1974-000, ER22-1975-000 and ER22-1976-000 regarding revised capital structures under transmission and generation formula rates.

Submitted affidavit for Constellation Mystic Power, LLC in FERC Docket No. ER18-1639-000 in response to arguments raised in formal challenges to an informational filing required for a cost-of-service rate for the operation of power plants in ISO New England.

Submitted direct testimony for El Paso Electric Company in FERC Docket No. ER22-282 regarding a proposed Transmission Formula Rate.

Submitted direct testimony for TransCanyon Western Development, LLC in FERC Docket No. ER21-1065 regarding a proposed Transmission Formula Rate.

Submitted direct testimony for Cleco Power LLC in FERC Docket No. ER21-370 regarding a proposed rate schedule for Blackstart Service under Schedule 33 of the MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff.

Submitted direct testimony for Constellation Mystic Power, LLC in FERC Docket No. ER18-1639-005 supporting a compliance filing for a cost-of-service rate for compensation for the continued operation of power plants in ISO New England.

Submitted direct testimony for DATC Path 15, LLC in FERC Docket No. ER20-1006 regarding a proposed wholesale transmission rate.

Submitted direct testimony for Tucson Electric Power Company in FERC Docket No. ER19-2019 regarding a proposed Transmission Formula Rate.

Submitted direct testimony for Cheyenne Light, Fuel & Power Company in FERC Docket No. ER19-697 regarding a proposed Transmission Formula Rate.

Supported Kansas City Power & Light in FERC Docket No. ER19-1861-000 regarding revisions to fixed depreciation rates in the KCP&L SPP Transmission Formula Rate.

Supported Westar Energy and Kansas Gas & Electric Company in FERC Docket No. ER19-269-000 regarding revisions to fixed depreciation rates in the Westar SPP Transmission Formula Rate.

Submitted direct testimony for Midwest Power Transmission Arkansas, LLC in FERC Docket No. ER15-2236 regarding a proposed Transmission Formula Rate.

Submitted direct testimony for Kanstar Transmission, LLC in FERC Docket No. ER15-2237 regarding a proposed Transmission Formula Rate.

Supported Westar Energy and Kansas Gas & Electric Company in FERC Docket Nos. FA15-9-000 and FA15-15-000 regarding an Audit of Compliance with Rates, Terms and Conditions of Westar's Open Access Transmission Tariff and Formula Rates, Accounting Requirements of the Uniform System of Accounts, and Reporting Requirements of the FERC Form No. 1.

Submitted direct testimony for Westar Energy in FERC Docket Nos. ER14-804 and ER14-805 regarding proposed revisions to a Generation Formula Rate.

Supported Intermountain Rural Electric Association and Tri-State G&T in FERC Docket No. ER12-1589 regarding revisions to Public Service of Colorado's Transmission Formula Rate.

Supported Intermountain Rural Electric Association in FERC Docket No. ER11-2853 regarding revisions to Public Service of Colorado's Production Formula Rate.

Supported Kansas Gas & Electric Company in FERC Docket No. FA14-3-000 regarding an Audit of Compliance with Nuclear Plant Decommissioning Trust Fund Regulations and Accounting Practices.

Supported LG&E Energy LLC in FERC Docket No. PA05-9-000 regarding an Audit of Code of Conduct, Standards of Conduct, Market-Based Rate Tariff, and MISO's Open Access Transmission Tariff at LG&E Energy LLC.

Submitted remarks and served on expert panel in FERC Docket No. RM01-10-000 on May 21, 2002 in Standards of Conduct for Transmission Providers staff conference, regarding proposed rulemaking on the functional separation of wholesale transmission and bundled sales functions for electric utilities.

Kansas

Submitted report for Westar Energy, Inc. in Docket No. 21-WCNE-103-GIE regarding plans and options for funding the decommissioning trust fund, depreciation expenses, and overall cost recovery in the event of premature closing of the Wolf Creek nuclear plant.

Submitted direct and rebuttal testimony for Westar Energy, Inc. in Docket No. 18-WSEE-328-RTS regarding overall rate design, prior rate case settlement commitments, lighting tariffs, an Electric Transit rate schedule, Electric Vehicle charging tariffs, and tariff general terms and conditions.

Submitted direct and rebuttal testimony for Westar Energy, Inc. in Docket No. 18-KG&E-303-CON regarding the Evaluation, Measurement and Verification ("EM&V") of an energy efficiency demand response program offered pursuant to a large industrial customer special contract.

Submitted report for Westar Energy, Inc. in Docket No. 18-WCNE-107-GIE regarding plans and options for funding the decommissioning trust fund, depreciation expenses, and overall cost recovery in the event of premature closing of the Wolf Creek nuclear plant.

Submitted direct and rebuttal testimony for Westar Energy, Inc. in Docket No. 15-WSEE-115-RTS regarding rate designs for large customer classes, establishment of a balancing account related to new rate options, establishment of a tracking mechanism for costs related to compliance with mandated cyber and physical security standards, other rate design issues, and revenue allocation.

Kentucky

Submitted direct testimony on behalf of Big Rivers Electric Corporation and Kenergy Corp. in Case No. 2023-00045 regarding a marginal cost of service study in support of an economic development rate for a special contract.

Submitted direct and rebuttal testimony and responses to data requests on behalf of Jackson Purchase Energy Corporation in Case No. 2021-00358 regarding revenue requirements, adjustments, cost of service and rate design in a base rate case.

Submitted direct and rebuttal testimony and responses to data requests on behalf of Big Rivers Electric Corporation in Case No. 2021-00289 regarding a Large Industrial Customer Standby Service Tariff.

Submitted direct testimony on behalf of Big Rivers Electric Corporation and Jackson Purchase Energy Corporation in Case No. 2021-00282 regarding a marginal cost of service study in support of an economic development rate for a special contract.

Submitted direct testimony, responses to data requests, and rebuttal testimony on behalf of sixteen distribution cooperative owner-members of East Kentucky Power Cooperative in Case Nos. 2021-00104 through 2021-00119 regarding rate design for the pass-through of a proposed wholesale rate revision.

Submitted direct testimony and responses to data requests on behalf of Kenergy Corp. in Case No. 2021-00066 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony on behalf of Big Rivers Electric Corporation in Case No. 2021-00061 regarding two cost of service studies in a review of the Member Rate Stability Mechanism Charge for calendar year 2020.

Submitted direct testimony and responses to data requests on behalf of Licking Valley R.E.C.C. in Case No. 2020-00338 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and responses to data requests on behalf of Cumberland Valley Electric in Case No. 2020-00264 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and responses to data requests on behalf of Taylor County R.E.C.C. in Case No. 2020-00278 regarding the cost support and tariff changes for the implementation of a Prepay Metering Program.

Submitted direct testimony and responses to data requests on behalf of Meade County R.E.C.C. in Case No. 2020-00131 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and responses to data requests on behalf of Clark Energy Cooperative in Case No. 2020-00104 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and responses to data requests on behalf of Big Rivers Electric Corporation in Case No. 2019-00435 regarding an Environmental Compliance Plan and Environmental Surcharge rate mechanism.

Submitted direct testimony and responses to data requests on behalf of Jackson Energy Cooperative in Case No. 2019-00066 regarding revenue requirements, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and responses to data requests on behalf of Jackson Purchase Energy Corporation in Case No. 2019-00053 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a streamlined rate case.

Submitted direct testimony and data request responses on behalf of Big Rivers Electric Corporation in Case No. 2018-00146 regarding ratemaking issues associated with the anticipated termination of contracts regarding the operation of an electric generating plant owned by the City of Henderson, Kentucky.

Submitted direct testimony on behalf of fifteen distribution cooperative owner-members of East Kentucky Power Cooperative in Case No. 2018-00050 regarding the economic evaluation of and potential cost shift resulting from a proposed member purchased power agreement.

Submitted direct testimony on behalf of Big Sandy R.E.C.C. in Case No. 2017-00374 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a base rate case.

Submitted direct testimony on behalf of Progress Metal Reclamation Company in Kentucky Power Company Case No. 2017-00179 regarding the potential implementation of a Load Retention Rate or revisions to an Economic Development Rate.

Submitted direct testimony on behalf of Kenergy Corp. and Big Rivers Electric Corporation in Case No. 2016-00117 regarding a marginal cost of service study in support of an economic development rate for a special contracts customer.

Submitted rebuttal testimony on behalf of Big Rivers Electric Corporation in Case No. 2014-00134 regarding ratemaking treatment of revenues associated with proposed wholesale market-based-rate purchased power agreements with entities in Nebraska.

Submitted direct and rebuttal testimony on behalf of Big Rivers Electric Corporation in Case No. 2013-00199 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a base rate case.

Submitted direct and rebuttal testimony on behalf of Big Rivers Electric Corporation in Case No. 2012-00535 regarding revenue requirements, pro forma adjustments, cost of service and rate design in a base rate case.

Submitted direct and rebuttal testimony on behalf of Big Rivers Electric Corporation in Case No. 2012-00063 regarding an Environmental Compliance Plan and Environmental Surcharge rate mechanism.

Submitted direct, rebuttal, and rehearing direct testimony on behalf of Big Rivers Electric Corporation in Case No. 2011-00036 regarding revenue requirements and pro forma adjustments in a base rate case.

Submitted direct testimony for Louisville Gas & Electric Company in Case No. 2009-00549 and for Kentucky Utilities Company in Case No. 2009-00548 for adjustment of electric and gas base rates, in support of a new service offering for Low Emission Vehicles, revised special charges, and company offerings aimed at assisting customers.

Submitted discovery responses for Kentucky Utilities and/or Louisville Gas & Electric Company in various customer inquiry matters, including Case Nos. 2009-00421, 2009-00312, and 2009-00364.

Submitted discovery responses for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2008-00148 regarding the 2008 Joint Integrated Resource Plan.

Submitted discovery responses for Louisville Gas & Electric Company and Kentucky Utilities Company in Administrative Case No. 2007-00477 regarding an investigation of the energy and regulatory issues in Kentucky's 2007 Energy Act.

Submitted direct testimony for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2007-00319 for the review, modification, and continuation of Energy Efficiency Programs and DSM Cost Recovery Mechanisms.

Submitted direct testimony for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2007-00067 for approval of a proposed Green Energy program and associated tariff riders.

Submitted direct testimony for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2005-00467 and 2005-00472 regarding a Certificate of Public Convenience and Necessity for the construction of transmission facilities.

Submitted discovery responses for Kentucky Utilities in Case No. 2005-00405 regarding the transfer of a utility hydroelectric power plant to a private developer.

Submitted discovery responses for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2005-00162 for the 2005 Joint Integrated Resource Plan.

Presented company position for Louisville Gas & Electric Company and Kentucky Utilities Company at public meetings held in Case Nos. 2005-00142 and 2005-00154 regarding routes for proposed transmission lines.

Supported Louisville Gas & Electric Company and Kentucky Utilities Company in a Focused Management Audit of Fuel Procurement practices by Liberty Consulting in 2004.

Supported Louisville Gas & Electric Company and Kentucky Utilities Company in an Investigation into their Membership in the Midwest Independent Transmission System Operator, Inc. ("MISO") in Case No. 2003-00266.

Supported Louisville Gas & Electric Company and Kentucky Utilities Company in a Focused Management Audit of its Earning Sharing Mechanism by Barrington-Wellesley Group in 2002-2003.

Submitted direct testimony for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2002-00381 regarding a Certificate of Public Convenience and Necessity for the acquisition of four combustion turbines.

Submitted direct testimony for Louisville Gas & Electric Company and Kentucky Utilities Company in Case No. 2002-00029 regarding a Certificate of Public Convenience and Necessity for the acquisition of two combustion turbines.

Missouri

Submitted direct, rebuttal and surrebuttal testimony for Evergy Metro, Inc. in Case No. ER-2022-0130 regarding a jurisdictional cost allocation analysis in a retail rate case.

Virginia

Submitted direct testimony for Kentucky Utilities Company d/b/a Old Dominion Power in Case No. PUE-2002-00570 regarding a Certificate of Public Convenience and Necessity for the acquisition of four combustion turbines.

BIG RIVERS ELECTRIC CORPORATION

**QF – QUALIFIED CONGENERATION/SMALL
POWER PRODUCTION FACILITY TARIFF – OVER 100 KW
FILING OF BIG RIVERS ELECTRIC CORPORATION
TFS No. 2023-00__**

VERIFICATION

I, John Wolfram, verify, state, and affirm that I prepared or supervised the preparation of the Direct Testimony filed with this Verification, and that this Direct Testimony is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

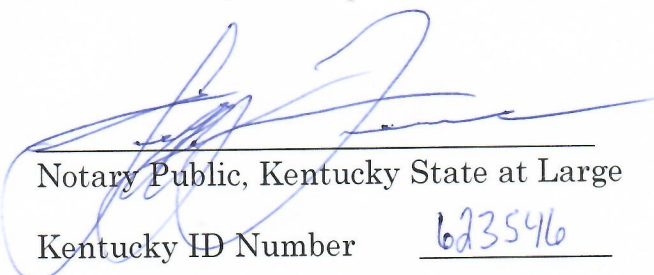


John Wolfram

COMMONWEALTH OF KENTUCKY)
COUNTY OF JEFFERSON COUNTY)

SUBSCRIBED AND SWORN TO before me by John Wolfram on this the 21
day of February, 2023.

GEOFFREY LEASE
Notary Public - State at Large
Kentucky
My Commission Expires June 09, 2023
Notary ID 623546



Notary Public, Kentucky State at Large
Kentucky ID Number 623546
My Commission Expires 06-09-2023



COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

AFFIDAVIT OF SENTHIA SANTANA

COMMONWEALTH OF KENTUCKY)
COUNTY OF DAVIESS)

Comes the affiant, Senthia Santana, and after being duly sworn, states as follows:

1. I am employed by Big Rivers Electric Corporation ("Big Rivers") as in house counsel. I am an authorized representative of Big Rivers for purposes of this affidavit.

2. On March 1, 2023, Big Rivers electronically filed new tariff sheets to implement a new QF tariff schedule, replacing its existing QFS and QFP tariff schedules.

3. Pursuant to 807 KAR 5:011 Section 8(3)(a), I verify that on March 1, 2023, Big Rivers mailed the notice letter being filed with this affidavit as required by 807 KAR 5:011 Section 8 to its only three customers (its three member distribution cooperatives) and the two current QF customers.



Senthia Santana

SUBSCRIBED AND SWORN TO before me by Senthia Santana on this the 1st
day of March, 2023.



Notary Public, Kentucky State at Large

My Commission Expires: October 31, 2024

Notary ID: KYNP16841



Big Rivers Electric Corporation
710 West 2nd Street
Owensboro, KY 42301
www.bigrivers.com
(270) 827-2561

March 1, 2023

Mr. Greg Grissom
President and CEO
Jackson Purchase Energy Corp.
2900 Irvin Cobb Drive
P.O. Box 4030
Paducah, KY 42002

Mr. Jeff Hohn
President and CEO
Kenergy Corp.
6402 Old Corydon Road
P.O. Box 18
Henderson, KY 42419-0018

Mr. Marty Littrel
President and CEO
Meade County Rural Electric Cooperative Corporation
1351 Hwy. 79
Brandenburg, KY 40108

**RE: NOTICE BY BIG RIVERS ELECTRIC CORPORATION OF FILING OF
NEW TARIFF**

Gentlemen:

Big Rivers Electric Corporation (“*Big Rivers*”) today made a tariff filing to the Kentucky Public Service Commission (“*Commission*”), filing a new QF tariff replacing its existing QFS and QFP tariffs. Big Rivers is providing this notice pursuant to 807 KAR 5:011 Section 8. The issue date of the tariff is the date the tariff was filed, March 1, 2023, and the tariff has a proposed effective date of April 1, 2023.

The QF tariff is only available to a member of a Member Cooperative with a qualified cogeneration or small power production facility with a design capacity of over 100 kW and less than or equal to 5 MW, who executes a contract with Big Rivers and the applicable Big Rivers Member Cooperative for service under the QF tariff (a “*QF Customer*”).



Mr. Greg Grissom
Mr. Jeff Hohn
Mr. Marty Littrel
March 1, 2023
Page 2 of 3

The proposed rates set forth below shall be used as the basis for negotiating a final purchase rate with QF Members pursuant to 807 KAR 5:054 Section 7.

1. Capacity – A QF Member selling capacity to Big Rivers will be credited monthly for the QF's electric capacity accredited by MISO at the MISO Planning Resource Auction ("PRA") Auction Clearing Price ("ACP") for the Big Rivers zone for the applicable resource auction time period.
2. Energy - A QF Member will be credited monthly for any electric power produced by its generation facilities and sold to Big Rivers at the actual locational marginal price for energy set by MISO at the applicable load node during each hour of the day at the time of delivery.

Additional Charges include any and all costs incurred by Big Rivers as a result of the QF's failure to generate, including, without limitation, ancillary services necessary to maintain reliability on the Big Rivers' system and MISO RSG charges, may be charged to the Member Cooperative in addition to all other charges.

A person may examine this tariff filing at Big Rivers' offices located at 710 West Second Street, Owensboro, Kentucky. A person may also examine this tariff filing at the Commission's offices located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m. (Eastern) or through the Commission's website at <http://psc.ky.gov>.

Comments regarding this tariff filing may be submitted to the Public Service Commission through its website or by mail to Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602.

The rates contained in the new tariff are the rates proposed by Big Rivers, but the Public Service Commission may order rates to be charged that differ from Big Rivers' proposed tariff.



Mr. Greg Grissom
Mr. Jeff Hohn
Mr. Marty Littrel
March 1, 2023
Page 3 of 3

A person may submit a timely written request for intervention to the Public Service Commission, Post Office Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the status and interest of the party. If the Commission does not receive a written request for intervention within thirty (30) days of the initial mailing of this notice, the Commission may take final action on the tariff filing.

Sincerely yours,

/s/ Tyson Kamuf

Tyson Kamuf
Corporate Attorney





Big Rivers Electric Corporation
710 West 2nd Street
Owensboro, KY 42301
www.bigrivers.com
(270) 827-2561

March 1, 2023

VIA FIRST CLASS USPS

Energy Manager
Commonwealth of Ky Dept of Military Affairs
Construction and Facilities Management Office
100 Minuteman Parkway, Building 162
Frankfort, Ky 40601

**Re: NOTICE BY BIG RIVERS ELECTRIC CORPORATION OF THE
FILING OF A NEW TARIFF AND CHANGES TO EXISTING
TARIFFS**

Dear Big Rivers Customer:

PLEASE TAKE NOTICE that, on this same date, Big Rivers Electric Corporation (“Big Rivers”) filed the following information with the Kentucky Public Service Commission (the “Commission”):

1. Big Rivers’ proposed QF tariff, which replaces Big Rivers’ existing QFS and QFP tariffs;
2. A redline version of the affected pages of Big Rivers’ existing QFS and QFP tariffs;
3. Redline and clean versions of revisions to the Table of Contents of Big Rivers’ tariff;
4. Supporting testimony; and
5. Proof of customer notice.

The proposed Effective Date of these tariff changes is April 1, 2023.

The tariff filing was made pursuant to the Ordering Paragraph No. 3 of the Commission’s March 3, 2022, Order, in Case No. 2021-00289,¹ which directed Big

¹ *In the Matter of: Electronic Filing of Big Rivers Electric Corporation and Kenergy Corp. to Implement a New Standby Service Tariff, Case No. 2021-00289.*

Rivers to “file with the Commission new rates for service under the QFS tariff.” A copy of the Commission’s March 3, 2022 Order is enclosed.

A person may examine this tariff filing: (i) at the offices of Big Rivers located 710 West Second Street, Owensboro, Kentucky 42301, during normal business hours; (ii) at the offices of the Kentucky Public Service Commission located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m.; (iii) through the Kentucky Public Service Commission’s Web site at <http://psc.ky.gov>.

Comments regarding this tariff filing may be submitted to the Kentucky Public Service Commission through its Web site or by mail to the Kentucky Public Service Commission, P. O. Box 615, Frankfort, Kentucky 40602. A person may submit a timely written request for intervention to the Kentucky Public Service Commission, P. O. Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the status and interest of the party. If the Kentucky Public Service Commission does not receive a written request for intervention within thirty (30) days of the mailing of this notice, the Kentucky Public Service Commission may take final action on the tariff filing.

Sincerely,

/s/ Tyson Kamuf

Tyson Kamuf

General Counsel

tyson.kamuf@bigrivers.com





Big Rivers Electric Corporation
710 West 2nd Street
Owensboro, KY 42301
www.bigrivers.com
(270) 827-2561

March 1, 2023

VIA FIRST CLASS USPS

Southern Star Central Gas Pipeline, Inc.
Attn. Chris Schindler, VP & General Counsel
4700 State Route 56
Owensboro, KY 42301

**Re: NOTICE BY BIG RIVERS ELECTRIC CORPORATION OF THE
FILING OF A NEW TARIFF AND CHANGES TO EXISTING
TARIFFS**

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¹ *In the Matter of: Electronic Filing of Big Rivers Electric Corporation and Kenergy Corp. to Implement a New Standby Service Tariff*, Case No. 2021-00289.

copy of the Commission's March 3, 2022 Order is enclosed.

A person may examine this tariff filing: (i) at the offices of Big Rivers located 710 West Second Street, Owensboro, Kentucky 42301, during normal business hours; (ii) at the offices of the Kentucky Public Service Commission located at 211 Sower Boulevard, Frankfort, Kentucky, Monday through Friday, 8:00 a.m. to 4:30 p.m.; (iii) through the Kentucky Public Service Commission's Web site at <http://psc.ky.gov>.

Comments regarding this tariff filing may be submitted to the Kentucky Public Service Commission through its Web site or by mail to the Kentucky Public Service Commission, P. O. Box 615, Frankfort, Kentucky 40602. A person may submit a timely written request for intervention to the Kentucky Public Service Commission, P. O. Box 615, Frankfort, Kentucky 40602, establishing the grounds for the request including the status and interest of the party. If the Kentucky Public Service Commission does not receive a written request for intervention within thirty (30) days of the mailing of this notice, the Kentucky Public Service Commission may take final action on the tariff filing.

Sincerely,

/s/ Tyson Kamuf

Tyson Kamuf

General Counsel

tyson.kamuf@bigrivers.com

