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March 31, 2021

Via ELECTRONIC MAIL

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

RECEIVED

MAR 31 2021

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PUBLIC SERVICE
COMMISSION

Re: *In the Matter of: Demand-Side Management Filing or Big Rivers Electric Corporation to Implement a Low-Income Weatherization Support Program – Case No. 2019-00193*

Dear Ms. Bridwell:

Pursuant to Ordering Paragraph No. 2 of the Commission's November 13, 2019 Order in the above proceeding, Big Rivers Electric Corporation ("*Big Rivers*") is filing the following materials by electronic mail:

1. This cover letter, which constitutes the Read1st file required by 807 KAR 5:001 Section 8(5);
2. Big Rivers' motion to convert to electronic filing; and
3. Big Rivers' 2020 Low-Income Weatherization Support Program Report.

Big Rivers will file the requisite paper copies of this electronic filing within thirty days after the current state of emergency is lifted, as required by the Commission's Orders in Case No. 2020-00085.¹

The undersigned certifies that the materials in the electronic filing are a true representation of the materials in paper medium, and that the electronic version of the paper filing is a true and accurate copy of each paper filed in paper medium.

¹ *In the Matter of: Electronic Emergency Docket Related to the Novel Coronavirus Covid-19, Case No. 2020-00085, Orders (March 16, 2020 and March 24, 2020).*

Ms. Linda C. Bridwell
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Please feel free to contact me should you have any questions regarding this filing.

Sincerely yours,

/s/ Tyson Kamuf

Tyson Kamuf
Corporate Attorney
tyson.kamuf@bigrivers.com



1 **WHEREFORE**, Big Rivers respectively requests the Commission to
2 convert the instant matter to an electronic filing.

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4 On this the 31st day of March, 2021.

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Respectfully submitted,

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/s/ Tyson Kamuf

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Tyson Kamuf

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Senthia Santana

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Gregory E. Mayes, Jr.

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Corporation

Big Rivers Electric Corporation
2020 Low-Income Weatherization Support Program Report
Pursuant to Ordering Paragraph No. 2 of
Commission’s November 13, 2019 Order

2020 Program Summary

The launch of the Low-Income Weatherization Support Program (DSM-14) began prior to 2020 with coordination meetings and conference calls with staff from the four Community Action Agencies (CAA) that serve retail members of Jackson Purchase Energy, Meade County RECC and Kenergy Corp. and the Kentucky Housing Corp.

- West Kentucky Allied Services
- Pennyrile Allied Community Services
- Audubon Area Community Services
- Central Kentucky Community Action

The program became active in January 2020, at the same time the COVID pandemic became an issue in the United States, which may have impacted the participation rates of the CAA’s. One project was completed under the program on October 6th 2020. Six potential projects have been identified by CAA’s for 2021.

2020 Project Summary

The first project completed under the Low-Income Weatherization Support Program tariff was finished on October 6th by the West Kentucky Allied Services Inc., a Community Action Agency (CAA) in the Jackson Purchase service area. The home is 1060 square feet and was built in 1918.

The homeowner lives alone and has an annual income of less than \$10,000 according to her application. Her annual heating/cooling costs were more than \$2,300 and included electric space heaters and vent-less propane fireplace heaters.

The Low-Income Weatherization Support Program (LIWSP) paid for 13.8% of the \$18,416 project cost, funded by JPEC and Big Rivers. This project exceeded the combined DOE weatherization and LIHEAP funding limits and would not have happened without the funding from Big Rivers. The LIWSP funding included the following measures for Heating, Ventilation and Air Conditioning (HVAC) and Health and Safety measures:

\$845.36	Air Infiltration Reduction – Health & Safety
\$1,702.51	Energy Star Ducted Air Handler – HVAC/Health & Safety

Big Rivers Electric Corporation
2020 Low-Income Weatherization Support Program Report
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The overall project included the following improvements:

1. Lighting Retrofits,
2. Infiltration Reductions,
3. Attic Insulation,
4. Pipe Insulation,
5. Smoke Detector,
6. CO Monitor,
7. Fix Improper Clothes Dryer Ventilation,
8. Fix Attic Ventilation,
9. Water Heater pressure Valve Piping,
10. Bathroom Exhaust,
11. Attic Repair and Insulation (R49), and
12. Install Mini-Split HVAC System.

The new mini-split HVAC system is among the most efficient systems on the market. Blower door tests show a 30% reduction in air infiltration in the home. The home was equipped with appropriate smoke and CO detectors and the vent-less fireplace space heaters were removed. Overall, the energy use in the home will be substantially reduced, while the air quality, comfort and safety of the home will be dramatically improved.