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October 31, 2023

Mr. John Burbridge
Wyoming Public Service Commission
Hansen Building, Suite 300
2515 Warren Avenue
Cheyenne, WY 82002

Re: Docket No. 10014-232-CT-23
Application for 2024 Small Power Production Rate Change

Dear Mr. Burbridge,

Please be advised that Powder River Energy Corporation has submitted its Application for a 2024 Small Power Production (SPP) rate change on the Wyoming Public Service Commission Document Management System.

A check in the amount of \$5.00 for the applicable filing fee has been mailed to your attention.

Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian J. Mills", is written over a light blue horizontal line.

Brian J. Mills
Chief Executive Officer

BJM/sjp

BEFORE THE WYOMING PUBLIC SERVICE COMMISSION

IN THE MATTER OF THE APPLICATION OF)	
POWDER RIVER ENERGY CORPORATION)	DOCKET No. 10014-232-CT-23
SUNDANCE, WYOMING, TO REVISE ITS)	
SMALL POWER PRODUCTION TARIFF)	

APPLICATION

COMES NOW, Powder River Energy Corporation, the Applicant named herein and sometimes herein called the “Cooperative,” and hereby respectfully requests an order from the Wyoming Public Service Commission, sometimes herein called the “Commission,” granting the applicant authority to revise its Small Power Production (SPP) rate tariff, as set forth in the exhibits attached hereto and made a part hereof by this reference.

In support of this Application, the Applicant sets forth the following:

1. The Applicant is a non-profit cooperative electric utility organized, existing under and by virtue of the laws of the State of Wyoming. The Cooperative, pursuant to the laws of the State of Wyoming, is qualified to do business as a corporation within the State of Wyoming.
2. The Cooperative is duly authorized to generate, manufacture, purchase, acquire, and transmit electric energy, sell supplies and dispose of electric energy in its certificated territory.
3. Communications regarding this Application are to be addressed to Mr. Brian J. Mills, Chief Executive Officer for the Applicant, Post Office Box 930, Sundance, Wyoming 82729; Ms. Kara Ellsbury, Attorney for the Applicant, Post Office Box 1083, Cheyenne, Wyoming 82003-1083.
4. The rates charged by the Cooperative for its electric service have been established and placed in effect under appropriate Orders of the Commission.

5. The Cooperative represents it is a Class C member of Members 1st Power Cooperative, which is a Class A member of Basin Electric Power Cooperative (“Basin”), Bismarck, North Dakota, and therefore purchases all its power requirements through agreements and contracts with Basin.
6. In this Application, the Cooperative is requesting authority to revise its existing rate tariff, the SPP rate tariff.
7. The SPP rate is an optional rate that applies to members who install facilities for the purpose of generating electric power. Under the rate schedule, the Cooperative would pay the member for all kWh generated per month at its avoided cost as required by the Public Utilities Regulatory Policies Act of 1978.
8. The Cooperative currently has 116 net metered services that serve both residential and commercial members. Of these members in 2022, 27 net metered accounts utilized the Small Power Production rate for excess energy produced.
9. The Cooperative’s avoided cost is equal to Basin’s published avoided cost for its WEIS Planning Area - WACM/CUS, adjusted for losses. Basin’s published avoided cost of delivery to its Class A members located in the WEIS Planning Area - WACM/CUS for 2024 is \$0.01990 per kWh (Exhibit A). The Cooperative’s rate adjusted for losses is \$.020437, as referenced in Exhibit B.
10. The Cooperative’s current SPP rate on its Tariff Rate Rider, Sheet Number 4, is \$0.016843 per kWh. The Cooperative therefore requests the authority to increase the rate available under its Small Power Production rate from \$0.016843 to \$0.020437 per kWh to reflect Basin’s published avoided cost for 2024 adjusted for losses.
11. The attached Exhibits C and D show the proposed revision to the Applicant’s SPP rate on its Tariff Rate Rider Sheet Number 4.

WHEREFORE, Powder River Energy Corporation respectfully requests this Commission make its Order authorizing the Cooperative to revise its SPP Tariff as set out in this filing. The Applicant further respectfully requests that the new rate tariffs

become effective for billings or credits issued on or after January 1, 2024.

Dated at Sundance, Wyoming, this 31st day of October 2023.

POWDER RIVER ENERGY CORPORATION

A handwritten signature in black ink, appearing to read "Brian J. Mills". The signature is written in a cursive, flowing style.

Brian J. Mills
Chief Executive Officer
Powder River Energy Corporation
221 Main St./PO Box 930
Sundance, WY 82729-0930

BASIN ELECTRIC'S POLICY FOR ADMINISTERING THE PUBLIC UTILITY REGULATORY POLICIES ACT OF 1978 (PURPA)

The Public Utility Regulatory Policies Act (PURPA) requires that electric utilities must purchase power produced from Qualifying Facilities (QF's) at their avoided cost. Avoided cost is the incremental cost an electric utility that, but for the purchase from the qualifying facility, such utility would generate itself or purchase from another source.

Basin Electric will purchase 100% of the output of new Member-owned renewable projects that are less than or equal to the values listed in the table below. The maximum amount of Member Owned projects will be reviewed occasionally and reassessed as needed. The Basin Electric purchase price and billing mechanisms for the Member-owned renewable projects will be in accordance with the PURPA Billing/Meter subsection QF generation with a capacity rating of more than 50 kW but less than 150 kW .

Member	Member-Owned amount (kW)	Member	Member-Owned amount (kW)
Central MT	4,950	Minn Valley Electric	2,000
Central Power	15,750	Mor-Gran-Sou	1,450
Corn Belt	14,100	NIPCO	8,100
Crow Wing	1,950	Rosebud	350
East River	23,300	Rushmore	9,350
Flathead	Not Applicable	Tri-State West	Not Applicable
Grand	450	Tri-State East	2,950
KEM	650	Upper Missouri	59,700
LO	3,250	Wright Hennepin	1,400
Members 1st	13,950	WMPA	1,600
Minn Valley Light	1,200		

Basin Electric, its generation and transmission (G&T) members, and its distribution cooperative members, together represent one cooperative system owned and controlled by the consumers to provide them with electrical power at cost. The avoided costs that occur when this three tier cooperative system purchases QF generation is equal to Basin Electric's reduced power production costs and the reduced transmission and distribution line losses associated with delivering the generation to load. This concept reflects the criteria described in FERC Order 69.

The below rates are valued at the point of delivery:

Rates

QF generation with a capacity rating of more than 50 kW but less than 150 kW

Power Supply Planning Area	Energy (Mills/kWh)	
MISO	\$19.70/MWh or Real Time Hourly LMP	
SPP	\$13.70/MWh or Real Time Hourly LMP	
WEIM	NW Energy	\$14.20/MWh or Real Time Hourly LMP
	PAC	\$19.90/MWh or Real Time Hourly LMP
WEIS	WACM/CUS	\$19.90/MWh or Real Time Hourly LMP
	WAUW	\$14.20/MWh or Real Time Hourly LMP

QF generation with a capacity rating of 150 kW or greater

Power Supply Planning Area		Energy (Mills/kWh)
MISO		Real Time Hourly LMP
SPP		Real Time Hourly LMP
WEIM	NW Energy	Real Time Hourly LMP
	PAC	Real Time Hourly LMP
WEIS	WACM/CUS	Real Time Hourly LMP
	WAUW	Real Time Hourly LMP

Basin Electric is also planning for resource expansion in some Power Supply Planning Areas. As a result, Basin Electric is willing to discuss the pricing of resource commitments for periods more than one year on a negotiated basis.

These rates represent the avoided costs of the wholesale power supply component of the cooperative system and are computed at Basin Electric's point of delivery to its Members. They consequently consider the savings in the high voltage transmission line losses, but do not consider that purchasing power from a QF located on a distribution cooperative system normally reduces the transmission losses of the distribution cooperative and the G&T. Since these also represent avoided costs, the Members need to adjust Basin Electric's avoided costs to reflect their own unique circumstances regarding losses.

Basin Electric and its Members have elected to separate QF's into three different categories for purposes of the program administration. These categories, which are defined by the capacity rating of the QF, reflect the complexity and associated administrative expense the purchase has on the three tier cooperative system. The avoided costs and payments to the QF are the same for all categories. The administration costs are different.

Pursuant to 18 CFR 292.302 of the Regulations of the Federal Energy Regulatory Commission, Basin Electric retains its electric utility system cost data for public inspection upon request.

Billing/Metering

QF generation with a capacity rating of 50kW or less

The Member may contract to purchase the QF generation.

QF generation with a capacity rating of more than 50 kW but less than 150 kW

The Member may contract to purchase the QF generation.

Basin Electric shall reimburse the Member for its QF generation purchase. Basin Electric payment to the Member shall be based on the committed accredited amount and the metered energy generation and Basin Electric avoided costs adjusted by the G&Ts and distribution Members to reflect their own transmission losses and other possible savings. Basin Electric shall not base its payment on state mandated rates. Basin Electric shall provide payment to the Member via a credit on its monthly power bill.

The Member shall install energy metering on the QF and provide Basin Electric with the QF generated energy at the end of each billing period. Based on this information, the monthly billing shall be computed as follows:

- a. The QF generation at the time of the Member's coincident peak shall be estimated by the Member and Basin Electric based on factors such as the QF monthly energy

- generation and expected capacity and diversity factors. After a review of the available information, Basin Electric shall be the sole judge of establishing the QF generation at the time of the Member's coincident peak. The Member at its option and expense may install 30 minutes MV90 compatible time registration metering in lieu of this calculation. The Member shall in that event be responsible for providing Basin Electric with the QF 30 minute demand at the time of its coincident peak.
- b. If the Member chooses to be paid per the real time hourly LMP price for MISO or SPP, the Member must install 30 minute MV90 compatible time registration metering. The Member shall in that event be responsible for providing Basin Electric with the QF 30 minute demand at the time of its coincident peak. The appropriate pricing node will be determined by Basin Electric at the time of application.
 - c. Basin Electric monthly wholesale power deliveries to the Members shall be increased to reflect that the QF generation represents a Basin Electric point of delivery to the Members. Basin Electric total supplemental energy delivery to the Member shall be determined by adding the QF generated energy to Basin Electric's energy deliveries to the Member. Basin Electric total supplemental demand deliveries to the Members shall be determined by adding the QF peak generation computed in step a) to Basin Electric's demand deliveries to the Member.

The resultant Basin Electric deliveries shall be billed in accordance with the rate schedules contained herein.

QF generation with a capacity rating of 150 kW or greater

For Members that have not assigned over their PURPA obligation of 150kW or greater to Basin Electric, the Member may contract to purchase the QF generation.

Basin Electric shall reimburse the Members for its QF generation purchase. Basin Electric payment to the Member shall be based on the committed accredited amount and the metered energy generation and Basin Electric avoided costs adjusted by the G&Ts and distribution Members to reflect their own transmission losses and other possible savings. Basin Electric shall not base its payment on state mandated rates. Basin Electric shall provide payment to the Member via a credit on its monthly power bill.

- a. The Member shall be responsible for installing 30 minute MV90 compatible time registration demand metering on the QF's. The Member shall be responsible for translating the monthly meter readings and to provide to Basin Electric the QF generation at the time of their coincident peak. Basin Electric shall reimburse the Member for this translation service.
- b. Basin Electric's monthly wholesale power deliveries to the Members shall be increased to reflect that the QF generation represents a Basin Electric point of delivery to the Members. Basin Electric total supplemental energy delivery to the Member shall be determined by adding the QF generated energy to Basin Electric energy deliveries to the Member. Basin Electric total supplemental demand deliveries to the Members shall be determined by adding the QF generation at the time of the Member's coincident peak to Basin Electric's demand deliveries to the Member.

The resultant Basin Electric deliveries shall be billed in accordance with the rate schedules contained herein.

Initial Rate	Transmission Loss	Distribution Loss	kWh Purchased to Net	kWh Generated to Net	Transmission Loss	Distribution Loss	Total Losses	Loss Adjustment	Rate Final	$R_f - R_f(L_t) = R_i$
			1 kWh	1 kWh						
R_i	L_t	L_d	P_p	G_g	T_l	D_l	L_t	L_a	R_f	
			$(1/(1 - \text{Transmission Losses}))$	$(1/(1 - \text{Distribution Loss}))$	$(P_p - 1)$	$(G_g - 1)$	$(T_l - D_l)$	$R_i * L_t$	$R_i + L_a$	
\$0.01990	4.05%	1.50%	1.04221	1.015228	0.0422	0.015228	0.0270	0.000537	\$0.020437	$\$0.020437 - (0.020437 * 0.0270) = 0.01990$

$R_f - R_f(L_t) = R_i$

THE WYOMING PUBLIC SERVICE COMMISSION

NAME: Powder River Energy Corporation
 ADDRESS: P.O. Box 930, Sundance, WY 82729

WY PSC Tariff No. 10
 5th 6th Revised Sheet No. 4
 Cancels 4th 5th Revised Sheet No. 4

TARIFF RATE RIDER						
- continued -						
Class	Rate Code	Billing Unit	2020 Approved Base Rate		2022 COPA*	Total Rate
Idle Line Retention (IS)**	LRR	<u>Basic Charge-Monthly</u>				
	LRS	Residential/Seasonal	\$15.00			\$15.00
	LRI	Irrigation	\$15.00			\$15.00
	LRGS/LRGSC	General Service	\$18.00			\$18.00
	LRLP/LRLPC	Large Power	\$79.00			\$79.00
Green Tag (GT)	GT	One block equivalent to the environmental attributes of 100 kWh of renewable energy	\$0.20			\$0.20
Small Power Production (SPP)	SPP	\$/kWh on all kWh generated per month	\$0.016843	\$0.020437		\$0.016843 \$0.020437
Heat Rate (HR)		<u>Basic Charge-Monthly</u>				
		Single/Three Phase				
	SCC	Self Contained	\$4.00			\$4.00
	IRC1	Single Phase Instrument	\$13.00			\$13.00
	IRC3	Three Phase Instrument	\$19.00			\$19.00
		<u>October - April</u>				
		Heat Credit per kWh of Electric Resistant Heat	(\$0.037620)			(\$0.037620)

Rate Schedules are subject to monthly minimums as stated on the individual rate schedule sheet.
 *Reference Sheet No. 34, Rate Schedule Billing Adjustments (BA) for more information on the COPA.
 **The Idle Service Schedule (IS) is a monthly charge with no energy usage.

Date Issued: October 31, 2023

Date Effective: January 1, 2023 2024

By: 

Title: Chief Executive Officer
 Docket No.: 10014- 227232-CT-2123

THE WYOMING PUBLIC SERVICE COMMISSION

NAME: Powder River Energy Corporation
 ADDRESS: P.O. Box 930, Sundance, WY 82729

WY PSC Tariff No. 10
 6th Revised Sheet No. 4
 Cancels 5th Revised Sheet No. 4

TARIFF RATE RIDER					
- continued -					
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		Single/Three Phase			
	SCC	Self Contained	\$4.00		\$4.00
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 **The Idle Service Schedule (IS) is a monthly charge with no energy usage.

Date Issued: October 31, 2023

Date Effective: January 1, 2024

By: 

Title: Chief Executive Officer
 Docket No.: 10014- 232-CT-23