

**WYOMING PUBLIC SERVICE COMMISSION
REQUIRED COVER SHEET FOR ALL FILINGS AND APPLICATIONS**

Full Company Name Powder River Energy Corporation

Company ID 10014 Date July 12, 2022

Street Address 221 Main Street Sundance WY 82729-0930

Mailing Address PO Box 930 Sundance WY 82729-0930

City State Zip (plus 4 digits)

Contact Person Stephanie J. Pribilske Executive Staff Assistant

Name Title stephp@precorp.coop
(307) 283-4901

Type of filing (check all that apply)

☒ Rules & Regulations

10014-225-CT-22

Tariffs included ☒ Yes ☐ No

Service List included ☐ Yes ☐ No

Total Amount Requested _____ ☐ Increase ☐ Decrease ☐ Implement New Rate

Amount Requested Per _____ (unit)

Type of Filing and Fees (check all fees that apply)

☐ Interconnection Agreement **\$5.00**

☐ Securities Filing **\$15.00**

☒ Tariff Revisions **\$5.00**

☐ Reorganization **\$100.00**

☐ Transfer of Customer Base Service **\$5.00**

☐ Mergers **\$100.00**

☐ Name Change **\$5.00**

☐ Transfer of Control **\$100.00**

☐ IXC Registration (Reseller) **\$5.00**

☐ Application **\$5.00**

☐ Application Certificate of Public Convenience & Necessity **\$15.00**

☐ Compliance Filings **No Charge**

☐ ILEC and CLEC- New Filings **\$15.00**

TOTAL AMOUNT ENCLOSED \$ 5.00 Ck #275727

Compliance Filings

Compliance Filing? ☐ Yes ☐ No Docket No. _____

Revision/Amended Filing? ☐ Yes ☐ No Docket No. _____



221 MAIN STREET
P.O. BOX 930
SUNDANCE, WY 82729-0930
FAX: (307) 283-3527

200 GARNER LAKE ROAD
GILLETTE, WY 82718-0937
FAX: (307) 682-0733

1095 BRUNDAGE LANE
SHERIDAN, WY 82801-1387
FAX: (307) 674-9018

1-800-442-3630

July 12, 2022

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

Re: Application – LED Street Light Tariff
Docket No. 10014-225-CT-22

Dear Mr. Burbridge,

Please find enclosed an Application and supporting documentation from Powder River Energy Corporation requesting approval of the proposed LED Street Light tariff.

This information has been filed electronically on the Commission's Document Management System as well. Also enclosed is a check in the amount of \$5.00 for the filing fee.

Thank you for your consideration.

Sincerely,

Michael E. Easley
Chief Executive Officer

MEE/sjp

Enclosures

BEFORE THE WYOMING PUBLIC SERVICE COMMISSION

IN THE MATTER OF THE APPLICATION OF)
POWDER RIVER ENERGY CORPORATION)
SUNDANCE, WYOMING, TO ADD AN LIGHT) DOCKET NO. 10014-225-CT-22
EMITTING DIODE (LED) LIGHTING)
SIZE TO ITS STREET LIGHTING TARIFF AND)
CLOSE NEW SERVICE TO THE EXISTING)
NON L.E.D. LIGHTING OPTION.)

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 authorization to add a Light-Emitting Diode (LED) lighting size to its existing Street Lighting tariff and close new service to the existing 400 W. High Pressure Sodium (HPS) lighting option, 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 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 certified territory.
3. Communications regarding this Application are to be addressed to Mr. Michael E. Easley, Chief Executive Officer for the Applicant, Post Office Box 930, Sundance, Wyoming 82729, and 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 is a Class C member of Basin Electric Power Cooperative (Basin), Bismarck, North Dakota. The Cooperative is a member of Members 1st Power Cooperative


who represents a Class A member of Basin and therefore purchases all its power requirements through agreements and contracts with Basin and resells that power to its members which include Powder River Energy Corporation, Tongue River Electric Cooperative, Inc. in Ashland, Montana, and Fergus Electric Cooperative, Inc. in Lewistown, Montana.

6. In this Application, the Cooperative is requesting to add an LED lighting size to the Cooperatives existing Street Lighting tariff and close new service to the 400 W. HPS lighting size currently offered and optional 120 V outlets on street light poles to accommodate a community's seasonal lighting needs.
7. In addition to the lighting and type change and optional 120V outlets, the Cooperative is proposing edits to the tariffs Conditions of Service to accommodate the change from mercury vapor and HPS street lighting to LED street lighting, adding language on lighting maintenance notice requirements and expectations, and language to accommodate the addition of optional seasonal lighting outlets on street light poles.
8. In the filing the Cooperative is also proposing edits to the tariffs Official Notice language to include "email" as an acceptable notice mechanism, and to Terms of Payment in recognition of 1) the closure of banking institutions previously set up to accept bill payments and 2) to align the tariff language more closely with that of the Company's Rules and Regulations, Sheet No. 12R, Meter Reading and Billing.
9. Finally, unrelated to the proposed Street Lighting tariff changes, the Cooperative is proposing housekeeping corrections to Rate Sheet 38, Billing Adjustments (BA), adding a dash (-) between LP and TOU, and removing the reference on page one of the Company's Rate Schedule Index to a "Large Power Transmission General" tariff which was closed/removed in Docket No. 10014-202-CR-19, Record No. 15372.

WHEREFORE, Powder River Energy Corporation respectfully requests the Commission make its Order authorizing the Cooperative to add an LED lighting size to its Street Lighting tariff and close new service to existing lighting options and make other administrative changes to its Street Lighting tariff and other housekeeping items as noted in this Application. The Applicant further requests that these changes become effective for service on or after September 12, 2022, or the Commission's earliest convenience.

Dated at Sundance, Wyoming, this 12th day of July 2022.

POWDER RIVER ENERGY CORPORATION



Michael E. Easley
Chief Executive Officer

**BEFORE THE
WYOMING PUBLIC SERVICE COMMISSION**

**DIRECT TESTIMONY
OF
JEFFERY W. BUMGARNER**

**ON BEHALF OF
POWDER RIVER ENERGY CORPORATION**

Docket No. 10014-225-CT-22

1 **Q. Please state your name and business address.**

2 **A.** My name is Jeffery (Jeff) W. Bumgarner, and my business address is
3 Powder River Energy Corporation, PO Box 930, Sundance, WY 82729.

4 **Q. By whom are you employed and what is your position?**

5 **A.** I am employed as Vice-President of Member Service by Powder River
6 Energy Corporation ("PRECorp" or "the Cooperative").

7 **Q. What are your duties as Vice-President of Member Service at**
8 **PRECorp?**

9 **A.** My duties are to manage the member service, communications, and
10 business development functions at PRECorp. As a member of the executive
11 staff, I participate in strategic planning and the general operation of the
12 Corporation.

13 **Q. Please summarize your educational and professional background.**

14 **A.** I have a Bachelor of Science in Finance and Business Management from
15 the University of Oregon and have completed the University of Idaho's Utility
16 Executive program, among other management programs. I have been

17 employed in the utility field since 1981, having worked at PacifiCorp for 34
18 years prior to joining PRECorp in January of 2016. I have held management
19 positions from customer care and new business development to marketing,
20 demand-side management, and resource planning. Most of my years of
21 experience in the electric utility industry have been working directly with
22 end-use consumers across a variety of service-related matters and needs.

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

24 **A.** I will describe PRECorp's proposed changes to its Street Lighting tariff, and
25 other proposed housekeeping items, and sponsor the schedules included
26 in the filing in support of the Cooperative's request.

27 **Q. What is PRECorp requesting in this proceeding?**

28 **A.** PRECorp is requesting approval to add a Light-Emitting Diode (LED)
29 lighting size to its Street Lighting tariff and close to new service the 400 Watt
30 High Pressure Sodium (HPS.) light. The Cooperative is also proposing edits
31 to the tariffs Conditions of Service to accommodate the change from
32 mercury vapor and HPS to LED street lighting, adding language on lighting
33 maintenance notice requirements and expectations, and language to
34 accommodate the addition of optional seasonal lighting outlets on street
35 light poles. In the Official Notice section of the tariff, PRECorp is proposing
36 adding "email" as an acceptable notice mechanism, and under the tariff's
37 Terms and Conditions, changes are proposed in recognition of 1) the
38 closure of banking institutions previously set up to accept bill payments, and
39 2) to align the tariff language more closely with that in the Company's Rules

40 and Regulations, Sheet No. 12R, Meter Reading and Billing. The legislative
41 and proposed versions of Rate Sheet No. 20 and 21 – Street Lighting (SL),
42 and Tariff Rate Rider Sheet No. 2, are provided in this Application detailing
43 the requested changes. Finally, unrelated to the proposed Street Lighting
44 tariff changes, the Cooperative is proposing housekeeping corrections to
45 Rate Sheet 38, Billing Adjustments (BA), adding a dash (-) between LP and
46 TOU, and removing the reference on page one of the Company's RATE
47 Schedule Index to a "Large Power Transmission General" tariff which was
48 closed/removed in Docket No. 10014-202-CR-19, Record No. 15372. The
49 legislative and proposed versions of Rate Sheet 38, Billing Adjustments
50 (BA), and page one of the Company's Rate Schedule Index are provided in
51 this Application detailing the requested changes.

52 **Q. Why is the Company proposing a shift to LED streetlight technology**
53 **from its current non-LED streetlight systems?**

54 **A.** There are many advantages to LED streetlights over current mercury vapor
55 and HPS technologies, namely, longer lifespan, less heat emissions, more
56 directional lighting for roadway illumination, low maintenance costs, low
57 operation cost, and brightness can be adjusted based on application. The
58 company began the transition to LED lighting in 2019 in Docket No. 10014-
59 201-Ct-19, Record No. 15339, when it applied for and the Commission
60 approved the addition of a LED lighting size to its Outdoor Lighting tariff and
61 closed, to new service, the 150 Watt HPS light option. As the industry
62 continues its transition to LED technologies, mercury vapor and HPS lights

63 and parts are getting harder to procure and with the aging system
64 maintenance is becoming more of an issue for utilities. Changing over at
65 this time seems prudent given these benefits and considerations.

66 **Q. When the proposed changes to the Street Lighting tariff are approved,**
67 **is it the Cooperative's plan to replace all existing non-LED streetlights**
68 **with new LED streetlights?**

69 **A.** Yes. Given the benefits and challenges mentioned, if approved the
70 company will embark on a project to convert its current non-LED street
71 lighting system to LED lighting over a three-year period, material and
72 resources permitting.

73 **Q. What would be the process for the changeover?**

74 **A.** Representatives from the Cooperative will meet with current street light
75 members to discuss the changeover of their street light systems, covering
76 topics such as timing, design and/or redesign issues, pricing, and
77 availability of the optional seasonal outlets on street light poles. At these
78 meetings new street service agreements will be executed in advance of
79 the actual changeouts, see **EXHIBIT 1 – Street Lighting Agreement**, and
80 **EXHIBIT 2 - Street Lighting Agreement - Addendum – Outlet**
81 **Receptacle.**

82 **Q. How many streetlight systems does PRECorp have and how many**
83 **streetlights will be converted to LED streetlights?**

84 **A.** There are approximately twenty-two (22) street lighting systems (members
85 with streetlight accounts) and six hundred fifty-three (653) streetlights. Of

86 these systems and lights, one (1) system and seventy-five (75) streetlights
87 will not be converted as they are transitioning to the City of Gillette on
88 January 1, 2023, as part of the Antelope Valley annexation.

89 **Q. How will the company determine which lighting systems to convert**
90 **first?**

91 **A.** With the three-year replacement approach, a plan will be developed with
92 competing priorities between the largest benefit to the communities,
93 proximity to PRECorp offices to reduce design impact, and levelized
94 spending over the three-year period.

95 **Q. What is the approximate cost to transition the street lighting system**
96 **from non-LED lights to LED lights?**

97 **A.** The Cooperative estimates the total project cost will be less than \$500,000
98 over the three-year conversion timeframe.

99 **Q. Has the monthly cost of service for the proposed LED light and**
100 **optional outlet been identified?**

101 **A.** **EXHIBIT RAP-1** and **RAP-2**, authored by Rebecca A. Payne, a rate
102 consultant of Guernsey Consulting, are an analysis of the costs for the
103 proposed LED light and optional pole outlet. The cooperative has selected
104 to procure 46 Watt LED lights (adjustable wattages with average setting at
105 46 Watts). **EXHIBIT RAP-2** shows the total installed cost, life of the bulb
106 and replacement costs for this light. **EXHIBIT RAP-1** computes the monthly
107 cost of the proposed light by applying a return factor to the identified
108 investment amount and including the computed purchase power and

109 identified customer costs. The total identified cost shown in Exhibit RAP-1
110 for the 46 Watt LED light is \$9.39, we proposed for ease of administration,
111 and as a result of estimating O&M expense savings until we have more
112 data, we suggest setting the prices at \$9.50/month. The optional 120V
113 seasonal lighting pole outlet cost is estimated at an additional \$0.50/month.
114 These prices are before the applicable COPA factor shown on Sheet No. 1
115 is applied.

116 **Q. How does the identified LED light compare in price to the non-LED**
117 **light options in service today?**

118 **A.** The 46 Watt LED light proposed in this application is priced \$0.05/month
119 less than 60 percent of the 578 lights to be replaced and \$7.05/month less
120 than the remaining 40 percent and only current available option for new
121 installations a 400 Watt High Pressure Sodium light.

122 **Q. The Cooperative has elected to provide a 46 Watt LED light as its**
123 **replacement for its existing streetlights, why does the tariff not reflect**
124 **the 46 Watt light size, but a range of sizes?**

125 **A.** The specific LED lights that vendors are offering can change often because
126 of evolving technologies and pricing. Having a small range of sizes on the
127 tariff allows some flexibility in purchasing and providing products that are
128 available and these wattage variations have negligible impact on the rate
129 charged. Additionally, most LED light products, such as the LED light
130 PRECorp has initially selected for its systems, have adjustable wattages
131 and thus light output to achieve the desired illumination from different height

132 light poles. Engineering estimates of pole heights and illumination needs
133 suggest 46 Watts will be the average requirement and light wattage across
134 the PRECorp systems. It is not expected that LED street light products or
135 illumination needs will exceed the 60 Watt maximum noted in the tariff.

136 **Q. Why has the company elected to add the optional seasonal lighting**
137 **outlets to street light poles?**

138 **A.** A few of the company's lighting systems have outlets available today,
139 however they are not charged under an existing tariff (estimated to be less
140 than one hundred outlets). During the change-out process this is an
141 opportunity to ensure all outlets are GFCI equipped and up to company
142 standards, as well as offer this convenience to other systems currently not
143 participating. Charging for these outlets will ensure the costs of the outlets
144 are accounted for and not socialized by those member systems not
145 participating.

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

147 **A.** Yes, it does.

THE WYOMING PUBLIC SERVICE COMMISSION

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

WY PSC

Tariff No. 10

3rd 2nd Revised Sheet No. 2
Cancels 2nd 1st Revised Sheet No. 2

TARIFF RATE RIDER - continued -						
Class	Rate Codes	Billing Unit	2020 Approved Base Rate	2022 COPA*	Total Rate	
General Service (GS)	040/400	<u>Non-Residential Basic Charge</u>				
		Single-Phase	\$40.00		\$40.00	
	141/401	Three-Phase	\$45.00		\$45.00	
		<u>Energy Charge</u>				
		\$/kWh - All kWh	\$0.090700	\$0.000791	\$0.091491	
	142/143	<u>Residential Basic Charge</u>				
		Three-Phase	\$45.00		\$45.00	
		<u>Energy Charge</u>				
		\$/kWh - All kWh	\$0.090700	\$0.000791	\$0.091491	
	Large Power (LP)	050/450	<u>Basic Charge</u>	\$200.00		\$200.00
050A/450A		<u>\$/kWh</u>				
051/451		First 200 kWh/mon/kW	\$0.074410	\$0.000791	\$0.075201	
051A/451A		Excess kWh/mon	\$0.054410	\$0.000791	\$0.055201	
052/052A/452/452A		<u>\$/kW</u>				
053/053A/453/453A		First 50 kW	\$3.75		\$3.75	
		Excess kW	\$6.75		\$6.75	
		<u>Primary Service Discount</u>				
		Per billed kW charges/mon	3%		3%	
		Per billed kWh charges/mon	3%		3%	
Irrigation (I)	030	\$/kWh - All kWh	\$0.084200	\$0.000791	\$0.084991	
		Annual Charge / HP	\$24.50		\$24.50	
Outdoor Lighting (OL)	OL	<u>\$/Month</u>				
		175W - MV (CLOSED)	\$9.55	\$0.06	\$9.61	
		100W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61	
		150 W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61	
		30-50W - LED	\$9.60	\$0.01	\$9.61	
Street Lighting (SL)	080	<u>\$/Month</u>				
		100W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61	
		150W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61	
		175W - MV (CLOSED)	\$9.55	\$0.06	\$9.61	
		400W - MV (CLOSED)	\$16.55	\$0.15	\$16.70	
		400W - HPS (CLOSED)	\$16.55	\$0.15	\$16.70	
		<= 60 W LED	\$9.50	\$0.01	\$9.51	
		<=60 W LED with 15A 120 V outlet	\$10.00	\$0.02	\$10.02	
		Large Power Transmission Coal Mine (LPT-CM)	303	<u>Distribution Component</u>		
Basic Charge	\$4,900.00				\$4,900.00	
Demand Charge	\$1.25/NCP Billing kW				\$1.25/NCP Billing kW	
<u>Power Supply Component</u>						
		Demand Charge	\$19.90/CP Billing kW		\$19.90/CP Billing kW	
		Energy Charge	\$0.031270 kWh	\$0.000022	\$0.031292 kWh	

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.

Date Issued: ~~November 17, 2024~~ July 12, 2022

Date Effective: ~~January~~ September 12, 2022

By: 

Title: Chief Executive Officer
Docket No. 10014-225224-CTP-224

THE WYOMING PUBLIC SERVICE COMMISSION

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

WY PSC

Tariff No. 10
3rd Revised Sheet No. 2
Cancels 2nd Revised Sheet No. 2

TARIFF RATE RIDER - continued -					
Class	Rate Codes	Billing Unit	2020 Approved Base Rate	2022 COPA*	Total Rate
General Service (GS)	040/400	<u>Non-Residential Basic Charge</u>			
		Single-Phase	\$40.00		\$40.00
	141/401	Three-Phase	\$45.00		\$45.00
		<u>Energy Charge</u>			
	141/401	\$/kWh - All kWh	\$0.090700	\$0.000791	\$0.091491
	142/143	<u>Residential Basic Charge</u>			
		Three-Phase	\$45.00		\$45.00
	142/143	<u>Energy Charge</u>			
		\$/kWh - All kWh	\$0.090700	\$0.000791	\$0.091491
Large Power (LP)	050/450	<u>Basic Charge</u>	\$200.00		\$200.00
	050A/450A	<u>\$/kWh</u>			
	051/451	First 200 kWh/mon/kW	\$0.074410	\$0.000791	\$0.075201
	051A/451A	Excess kWh/mon	\$0.054410	\$0.000791	\$0.055201
	052/052A/452/452A	<u>\$/kW</u>			
	053/053A/453/453A	First 50 kW	\$3.75		\$3.75
		Excess kW	\$6.75		\$6.75
	053/053A/453/453A	<u>Primary Service Discount</u>			
		Per billed kW charges/mon	3%		3%
		Per billed kWh charges/mon	3%		3%
Irrigation (I)	030	\$/kWh - All kWh	\$0.084200	\$0.000791	\$0.084991
		Annual Charge / HP	\$24.50		\$24.50
Outdoor Lighting (OL)	OL	<u>\$/Month</u>			
		175W - MV (CLOSED)	\$9.55	\$0.06	\$9.61
		100W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61
		150 W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61
		30-50W - LED	\$9.60	\$0.01	\$9.61
Street Lighting (SL)	080	<u>\$/Month</u>			
		100W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61
		150W - HPS (CLOSED)	\$9.55	\$0.06	\$9.61
		175W - MV (CLOSED)	\$9.55	\$0.06	\$9.61
		400W - MV (CLOSED)	\$16.55	\$0.15	\$16.70
		400W - HPS (CLOSED)	\$16.55	\$0.15	\$16.70
		<= 60 W LED	\$9.50	\$0.01	\$9.51
		<=60 W LED with 15A 120 V outlet	\$10.00	\$0.02	\$10.02
Large Power Transmission Coal Mine (LPT-CM)	303	<u>Distribution Component</u>			
		Basic Charge	\$4,900.00		\$4,900.00
		Demand Charge	\$1.25/NCP Billing kW		\$1.25/NCP Billing kW
		<u>Power Supply Component</u>			
		Demand Charge	\$19.90/CP Billing kW		\$19.90/CP Billing kW
		Energy Charge	\$0.031270 kWh	\$0.000022	\$0.031292 kWh

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.

Date Issued: July 12, 2022

Date Effective: September 12, 2022

By: 

Title: Chief Executive Officer
Docket No. 10014-225-CT-22

Rate Schedule: Street Lighting (SL)

APPLICABILITY

Applicable to unmetered, ~~photoelectric controlled~~ outdoor lighting used to provide street lighting which is installed on Corporation owned poles where the required secondary voltage exists or can be obtained under provisions of this schedule.

AVAILABILITY

Available ~~in the incorporated towns and villages~~ within the certificated territory of Powder River Energy Corporation, where ~~the contracting an member or member representative elected or appointed official~~ has the authority to execute contracts and pay bills. ~~Also available to platted and approved subdivisions where a legal entity exists to execute contracts and pay bills.~~

RATE

Lamp Size

100 W High Pressure Sodium	\$9.55 per month CLOSED
150 W High Pressure Sodium	\$9.55 per month CLOSED
175 W Mercury Vapor	\$9.55 per month CLOSED
400 W Mercury Vapor	\$16.55 per month CLOSED
400 W High Pressure Sodium	\$16.55 per month <u>CLOSED</u>
<u><= 60 W Light-Emitting Diode</u>	<u>\$9.50 per month</u>
<u><= 60 W Light-Emitting Diode with 15A 120V outlet</u>	<u>\$10.00 per month</u>

Plus, the COPA Factor shown on Sheet No. 2. The COPA mechanism is described in detail beginning on Sheet No. 34.

CONDITIONS OF SERVICE

1. A contract will be executed for a minimum of one (1) year for all lighting provided under this schedule.
2. All facilities, not already existing, required to provide lighting service requested shall be paid for by the ~~member towns, villages or subdivisions~~. The total cost to install shall include both labor and materials.
3. The Corporation will install, own and operate the street lighting system. ~~Performance contemplated hereunder includes the replacement of lamps, photo electric eyes and ballasts.~~ Performance by the Corporation shall not include maintenance for damages caused by malicious mischief; such damages shall be the responsibility of the member.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022
12, 2021
2022

Effective: June 1, 2021
September 12,
Dkt. No. 10014-217225-CT-422

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

Wyoming PSC No. 10

~~2nd~~^{1st} Revised Sheet No. 20
Cancels ~~1st~~ Revised ~~Original~~ Sheet No. 20

Rate Schedule: Street Lighting (SL)

4. Upon receipt of Official Notice from the customer notifying the Corporation of failure of a light to operate as provided, the Corporation shall have five (5) regular business working days in which to make necessary repairs or replacements during working hours. No reduction in the monthly charges will be allowed on inoperative units until the unit has been inoperative for more than five (5) regular business working days after the Corporation has received Official Notice of the inoperative condition. After this time, a discount of \$0.30 per day may be deducted from the monthly charge until the unit is repaired or replaced.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022~~12, 2021~~
2022

Effective: June 1, 2021~~September 12,~~
Dkt. No. 10014-217225-CT-122

Rate Schedule: Street Lighting (SL)

CONDITIONS OF SERVICE (continued)

4. —

5. — Mercury vapor ~~and high-pressure sodium~~ lights will not be available for new installations ~~or replacements of existing streetlights.~~

~~CONDITIONS OF SERVICE (cont'd)~~

5. —

6. ~~5. —~~ The Light Emitting Diode~~High Pressure Sodium~~ light shall be considered the standard fixture provided by the Corporation under this tariff.

7. ~~Standard 15A 120V outlets can be optionally installed by the Company for intended seasonal lighting use only. This option is only available where height is inconvenient to the public and all unauthorized personnel clearances can be maintained. The optional outlets are not allowed on poles with primary overhead distribution service, will comply with the Company's installation standard, will be equipped with GFCI protection, are for limited seasonal lighting use only, and will be subject to other terms and conditions as outlined in the members street light service contract with the company.~~

~~6. Upon receipt of Official Notice from the customer of failure of a light to operate as provided, the Corporation shall have a reasonable time in which to make necessary repairs or replacements during working hours.~~

87. Exceptions to these conditions for service to facilitate preexisting variations will be handled by a mutually agreeable contract.

OFFICIAL NOTICE

The headquarters office shall be notified by mail, email, or telephone during regular business hours only.

BILLING ADJUSTMENT

This rate is subject to all billing adjustment charges, and such adjustment charges shall be billed in addition to the minimum charges.

TERMS OF PAYMENT

If the payment for electric service is not received in the Corporation's offices or, electronically, ~~or at~~

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022~~12, 2021~~
2022

Effective: June 1, 2021~~September 12,~~
Dkt. No. 10014-217225-CT-422

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

Wyoming PSC No. 10

~~2nd~~^{1st} Revised Sheet No. 21
Cancels ~~1st~~ Revised ~~Original~~ Sheet No. 21

Rate Schedule: Street Lighting (SL)

~~one of the banking institutions that offer the Corporation's bill paying service~~ by the “Due
Date~~in~~After” ~~date~~ shown on the billing statement, ~~or~~ the bill shall be deemed past due and a
~~A~~ late payment charge as stated in ~~the Rate Schedule referenced in~~ Section VI - Rate Schedule, of the
Corporation's Rules and Regulations will be added to the monthly billed amount.

RULES AND REGULATIONS

Service supplied under this schedule is subject to the terms and conditions set forth in the Corporation's
Rules and Regulations on file with the Wyoming Public Service Commission.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022~~12, 2021~~
2022

Effective: June 1, 2021~~September 12,~~
Dkt. No. 10014-217225-CT-422

Rate Schedule: Street Lighting (SL)

APPLICABILITY

Applicable to unmetered outdoor lighting used to provide street lighting which is installed on Corporation owned poles where the required secondary voltage exists or can be obtained under provisions of this schedule.

AVAILABILITY

Available within the certificated territory of Powder River Energy Corporation, where the contracting member or member representative has the authority to execute contracts and pay bills.

RATE

Lamp Size

100 W High Pressure Sodium	\$9.55 per month CLOSED
150 W High Pressure Sodium	\$9.55 per month CLOSED
175 W Mercury Vapor	\$9.55 per month CLOSED
400 W Mercury Vapor	\$16.55 per month CLOSED
400 W High Pressure Sodium	\$16.55 per month CLOSED
<= 60 W Light-Emitting Diode	\$9.50 per month
<= 60 W Light-Emitting Diode with 15A 120V outlet	\$10.00 per month

Plus, the COPA Factor shown on Sheet No. 2. The COPA mechanism is described in detail beginning on Sheet No. 34.

CONDITIONS OF SERVICE

1. A contract will be executed for a minimum of one (1) year for all lighting provided under this schedule.
2. All facilities, not already existing, required to provide lighting service requested shall be paid for by the member. The total cost to install shall include both labor and materials.
3. The Corporation will install, own and operate the street lighting system. Performance by the Corporation shall not include maintenance for damages caused by malicious mischief; such damages shall be the responsibility of the member.
4. Upon receipt of Official Notice from the customer notifying the Corporation of failure of a light to operate as provided, the Corporation shall have five (5) regular business working days in which to make necessary repairs or replacements during working hours. No reduction in the monthly charges will be allowed on inoperative units until the unit has been inoperative for more than five (5) regular business working days after the Corporation has received Official Notice of the inoperative condition. After this time, a discount of \$0.30 per day may be deducted from the monthly charge until the unit is repaired or replaced.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022

Effective: September 12, 2022
Dkt. No. 10014-225-CT-22

Rate Schedule: Street Lighting (SL)

CONDITIONS OF SERVICE (continued)

5. Mercury vapor and high-pressure sodium lights will not be available for new installations or replacements of existing streetlights.
6. The Light Emitting Diode light shall be considered the standard fixture provided by the Corporation under this tariff.
7. Standard 15A 120V outlets can be optionally installed by the Company for intended seasonal lighting use only. This option is only available where height is inconvenient to the public and all unauthorized personnel clearances can be maintained. The optional outlets are not allowed on poles with primary overhead distribution service, will comply with the Company's installation standard, will be equipped with GFCI protection, are for limited seasonal lighting use only, and will be subject to other terms and conditions as outlined in the members street light service contract with the company.
8. Exceptions to these conditions for service to facilitate preexisting variations will be handled by a mutually agreeable contract.

OFFICIAL NOTICE

The headquarters office shall be notified by mail, email, or telephone during regular business hours only.

BILLING ADJUSTMENT

This rate is subject to all billing adjustment charges, and such adjustment charges shall be billed in addition to the minimum charges.

TERMS OF PAYMENT

If the payment for electric service is not received in the Corporation's offices or electronically by the "Due Date" shown on the billing statement, the bill shall be deemed past due and a late payment charge as stated in Section VI - Rate Schedule, of the Corporation's Rules and Regulations will be added to the monthly billed amount.

RULES AND REGULATIONS

Service supplied under this schedule is subject to the terms and conditions set forth in the Corporation's Rules and Regulations on file with the Wyoming Public Service Commission.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: July 12, 2022

Effective: September 12, 2022
Dkt. No. 10014-225-CT-22

STREET LIGHTING AGREEMENT

Agreement established _____, between **POWDER RIVER ENERGY CORPORATION** (hereinafter called the "SELLER"), and _____ (hereinafter called the "MEMBER").

DEFINITIONS:

- a. Member and SELLER: As used in this Agreement, include the employees, agents, contractors, and other utilities that are directly responsible, respectively, to each.
- b. Good Utility Practice: Are any of the practices, methods and acts engaged in or approved by a significant portion of the electric industry, in the region, during the relevant time period, or any of the practices, methods and the acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.
- c. Street Lighting Facilities: Are the un-metered light fixtures, wires, conduits, poles, transformers, and other equipment required for a complete and functioning street lighting system.

STREETLIGHTS INCLUDED:

- a. The streetlights included in the Agreement are listed in Exhibit A, which is attached to and made a part of this Agreement.
- b. To the extent streetlights are added or removed from service, Exhibit A will be revised according to the terms of an Addendum to this Agreement.
- c. Exhibit B to this Agreement provides an example of the Addendum format that will be used to accommodate addition or removal of streetlights.

STREET LIGHT INSTALLATIONS, RETIREMENTS AND MODIFICATIONS:

- a. New streetlight installations will be completed at the request and expense of the Member for the intent of roadway lighting.
- b. Retirements or modifications to existing streetlight installations, which are made at the request of the Member, will be completed at the expense of the Member.
- c. New installations and modifications will be administered according to SELLER's standard procedures and require revision of Exhibit A by means of an addendum to this Agreement.

POLE ATTACHMENTS:

- a. The Member is not permitted to install attachments to Street Lighting Facilities or other SELLER poles except as provided for in SELLER's Rules and Regulations.
- b. Un-metered power outlet receptacles, intended for use to power seasonal decorative lighting, may be permitted on Street Lighting Facilities by means of an Addendum to this Agreement.
- c. SELLER will remove unauthorized pole attachments at the expense of the Member in accordance with SELLER's Rules and Regulations.

STREET LIGHT OPERATIONS AND MAINTENANCE:

- a. The Street Lighting Facilities are owned and maintained by SELLER at SELLER's expense. Maintenance by SELLER shall not include maintenance for damages caused by malicious mischief; such damages shall be the responsibility of the Member.
- b. SELLER will maintain Street Lighting Facilities according to Good Utility Practice.
- c. SELLER's responsibilities as described in this paragraph may be modified by Addendum to this agreement to accommodate special conditions of service.

ILLUMINATION LEVELS AND LIGHTING STANDARDS:

- a. SELLER has not completed a lighting study or measured roadway illumination and makes no claims regarding the level and distribution of illumination provided by the Street Lighting Facilities serving the Member.
- b. To the extent the Street Lighting Facilities do not provide levels and distribution of illumination acceptable to the Member, the Member will request changes or additions to the Street Lighting Facilities, the completion of which will occur at the expense of the Member.

INDEMNITY:

- a. Member shall defend, indemnify, and hold SELLER harmless from and against any claim of, or liability or expenses (including reasonable legal fees) for, negligent error or omission of Member under this Agreement.

RIGHTS OF WAY:

The Member shall furnish, without reimbursement by the Seller, permits, certificates and/or right-of-way satisfactory to access and cross the property owned or controlled by the Member necessary to supply service under this Agreement. Duly authorized representatives of the Seller shall be permitted to enter the Member's premises at all reasonable times in order to carry out the provisions hereof.

SUCCESSION AND APPROVAL:

This Agreement shall be binding upon and inure to the benefit of the successors, legal representatives and assigns of the respective parties hereto.

TERM:

This Agreement shall become effective upon execution by both Parties and shall remain in effect for one year and thereafter until terminated by either party by first providing twelve months written notice of termination.

Powder River Energy Corporation	
Member _____	Seller _____
Address _____	Prepared By: _____
City, State Zip _____	Title _____
Federal Tax ID or SS#: _____	_____
Signature: _____	Acct # _____
Authorized Representative _____	Work Order # _____

This agreement must be signed in the presence of an authorized Powder River Energy Corporation employee or a legal notary public.

In the presence of an authorized Powder River Energy Corporation Employee: _____
Employee Signature

In the presence of a notary public:

STATE OF _____)
: ss
COUNTY OF _____)

The above and foregoing Commercial Application For Membership and Electric Service Agreement was subscribed, sworn to and acknowledged before me by _____, on this _____ day of _____, 20_____.

Witness my hand and official seal.

Notary Public

My Commission Expires: _____, 20_____.



STREET LIGHTING AGREEMENT - ADDENDUM – OUTLET RECEPTACLE

This Addendum is related to the Street Lighting Agreement established _____, between **POWDER RIVER ENERGY CORPORATION** (hereinafter called the “SELLER”), and _____ (hereinafter called the “MEMBER”) to govern Outlet Receptacles installed on Street Light Facilities.

TERMS:

- a. Outlet Receptacles are defined as un-metered power outlet receptacles, mounted on the Street Lighting Facilities, intended for use to power seasonal decorative lighting.
- b. SELLER may provide Outlet Receptacles on certain Street Lighting Facilities at the request of the Member.
- c. Installation, replacement, upgrades and/or maintenance of Outlet Receptacles will be completed by SELLER.
- d. Outlet Receptacles will only be permitted on dedicated streetlighting poles. Outlet Receptacles are not allowed on poles with uninsulated or primary voltage conductors.
- e. Existing Outlet Receptacles will be upgraded to comply with SELLER’s current design standards or will be removed from service.
- f. The Member will provide necessary lighting control (photocell or timer) for operation of decorative light fixtures attached to the Outlet Receptacles.
- g. The load (decorative light fixture) connected to an Outlet Receptacle shall not exceed 60 watts.
- h. Decorative light fixtures will be installed on brackets (mounting hardware) approved by SELLER.
- i. The Member is permitted to install and remove decorative lights on a seasonal basis. SELLER shall be notified at least one week prior to installing or removing these decorative lights.
- j. Member shall install decorative lights such that safety clearances are maintained according to good utility practice.
- k. To the extent SELLER assists with installing and removing decorative lights, Member will reimburse SELLER for associated expenses (labor and equipment).
- l. Installation of decorative banners or other signage (not requiring an Outlet Receptacle) on Street Lighting Facilities or other SELLER owned poles is not authorized by this Agreement.
- m. All costs related to outages and/or trouble calls caused by Member’s Attachments shall be the responsibility of Member and billed by PRECorp to Member.
- n. Member shall maintain Commercial General Liability Insurance for the term of this Agreement covering all operations by, or on behalf of, Member with minimum coverages amounts for bodily injury and property damage liability in the amount of \$2,000,000 per occurrence, \$4,000,000 aggregate for bodily injury, property damage and personal injury. PRECorp shall be an “additional insured” on this policy and Member shall provide evidence to PRECorp that they have complied with this requirement. Member shall provide not less than thirty (30) day’s prior written notice to PRECorp of any cancellation or material change in this policy.

Member	Powder River Energy Corporation
Address	Seller
	Prepared By:

City, State Zip	Title
Federal Tax ID or SS#:	
Signature:	Acct #
Authorized Representative	Work Order #

POWDER RIVER ENERGY

LED STREET LIGHT COST ANALYSIS

46 Watt LED

1	Watts		46
2	Hours of Usage per Year		4,278
3	Annual kWh	(Line 1 x Line 2) /1000	197
4	x Power Cost	Schedule M-1.0, Page 1	\$0.057839
5	Annual Power Cost	Line 3 x Line 4	\$11.38
6	Monthly Power Cost	Line 5/12	\$0.95
7			
8	Installation Cost	LED Light Investment Cost - RAP-2	\$801.33
9	Replacement Cost	LED Light Investment Cost - RAP-2	\$476.00
10	Total Investment	Line 8 + Line 9	\$1,277.33
11			
12	Dist. System Component of Expense	Schedule M-2.0, Page 9	56,566
13	% Reduction in O&M Expenses		25%
14	Adjusted Component of Expense	Line 12 x (1- Line 13)	42,425
15	Total Lighting Plant	Schedule H-1.1, Page 1	859,395
16	Return Factor as % of Plant		4.94%
17			
18	Annual O&M Expense	Line 10 x Line 16	\$63.06
19	Monthly O&M Expense	Line 18/12	\$5.25
20	Monthly Power Cost	Line 6	\$0.95
21	Monthly Customer Cost	Schedule M-1.0, Page 1	\$3.19
22	<i>Total Cost</i>	<i>Sum(Line 19 - Line 21)</i>	<i>\$9.39</i>

120V Outlet	Estimating => of 65 kWh/Year	\$0.50/month
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**POWDER RIVER ENERGY
LED STREET LIGHT INVESTMENT COST**

46 Watt LED

Notes

1	Fixture Cost	\$	341.08	Sum of estimated LED Fixture Cost + Other Materials + Replacement Mast
2	Installation Cost		460.25	1.75 Hours of Engineer, Inspection and Admin x \$63/hr + 2 Installation Hours x \$83/hr + 2 Hours Equipment Rate
3	<i>Total Installed Cost</i>	\$	801.33	<i>Line 1 + Line 2</i>
4	Life-Years		23	Estimate from PREC
5				
6	Estimated Lamp Life-Hours		60,000	
7	Hours of Usage per Year		4,278	
	Fixture Replacements From Hours During Fixture Life		1	
8				
9				
10	Estimated Cost per Fixture	\$	476.00	Line 16
11	Replacement Fixture Cost	\$	476.00	Line 8 x Line 10
12	Estimated Annual Fixture Replacement	\$	20.70	Line 11 / Line 4
13				
14	Estimated Cost per Replacement Fixture	\$	254.00	Sum of estimated LED Fixture Cost + Other Materials
15	Estimated Labor & Equipment Cost	\$	222.00	Line 24
16	<i>Total Fixture Replacement Cost</i>	\$	476.00	<i>Line 14 + Line 15</i>
17				
18	Labor Hours (2 employees - 1 hour each)		2	
19	Hourly Wage	\$	40.00	
20	Total Direct Labor	\$	80.00	Line 18 x Line 19
21	Payroll Overhead - %		65%	
22	Total Labor With Overhead	\$	132.00	Line 20 x Line 21
23	Equipment Cost (60 mile RT x \$1.50/Mile)	\$	90.00	
24	Total Cost	\$	222.00	Line 22 + Line 23

Housekeeping Items

Rate Schedule: Billing Adjustments (BA)

COPA FACTOR FOR LPT-CBM CLASS (cont'd)

D = Adjustment to be applied to the current annual COPA billing to account for accrued interest on any over-collected balance in the true-up period.

kWh = Total estimated energy sales to the LPT-CBM rate class in the application period.

4. COPA FACTOR FOR LP-TOU TRANSMISSION CLASS

The Corporation shall adjust all bills in rate class LP-TOU Transmission in accordance with the following:

$$\text{COPA} = \frac{(A - B \pm C + D)}{\text{kWh}}$$

Where:

COPA = Cost of Power Adjustment factor (expressed in \$ per kWh) to be applied to LP-TOU Transmission energy sales in the application period.

A = Total estimated purchased power cost from all suppliers either applied directly or directly allocated to the LP-TOU Transmission class for the application period.

B = Total estimated purchased power cost included in the base retail rates for the LP-TOU Transmission rate class in application period. The base power cost is computed as the sum of the following:

Demand Cost = \$19.69 per kW of Metered CP Billing kW

Energy Cost = \$0.031120 per kWh of Metered kWh

C = Adjustment to be applied to the current annual COPA billing to account for differences in actual purchased power cost and actual COPA billing in the true-up period.

D = Adjustment to be applied to the current annual COPA billing to account for accrued interest on any over-collected balance in the true-up period.

kWh = Total estimated energy sales to the LP-TOU Transmission rate class in application period.

Issued by
Michael E. Easley, Chief Executive Officer

Issued: ~~August 25, 2020~~ July 12, 2022

Effective: September ~~1, 2020~~ 12, 2022
Dkt. No. 10014-~~202-CR-19~~ 225-CT-22

Rate Schedule: Billing Adjustments (BA)

COPA FACTOR FOR LPT-CBM CLASS (cont'd)

D = Adjustment to be applied to the current annual COPA billing to account for accrued interest on any over-collected balance in the true-up period.

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kWh = Total estimated energy sales to the LP-TOU Transmission rate class in application period.

Issued by
Michael E. Easley, Chief Executive Officer

POWDER RIVER ENERGY CORPORATION

RATE SCHEDULE INDEX

TARIFF RATE RIDER	PAGE NUMBERS
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Residential Time of Use	1
General Service (GS)	2
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Irrigation (I).....	2
Outdoor Lighting (OL).....	2
Street Lighting (SL)	2
Large Power Transmission Coal Mine (LPT-CM).....	2
Large Power Transmission General (LPT-G)	3
General Service Time of Use (GS-TOU)	3
Large Power Time of Use (LP-TOU)	3
Large Power Transmission Coal Bed Methane (LPT-CBM)	3
Idle Line Retention (IS).....	4
Green Tag (GT).....	4
Small Power Production (SPP)	4
Heat Rate (HR)	4

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POWDER RIVER ENERGY CORPORATION

RATE SCHEDULE INDEX

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