# BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF WYOMING

IN THE MATTER OF THE APPLICATION OF	)
POWDER RIVER ENERGY CORPORATION,	)
SUNDANCE, WYOMING, FOR AUTHORITY TO	) DOCKET No. 10014-165-CP-15
INCREASE ITS COST OF POWER ADJUSTMENT	)
By \$10,142,401 PER ANNUM TO REFLECT A	)
CHANGE IN AVERAGE WHOLESALE POWER COSTS	)

#### **APPLICATION**

Powder River Energy Corporation (the Cooperative) respectfully submits for Commission approval its application for authority to adjust its Cost of Power Adjustment (COPA) pursuant to §§ 249 and 250 of the Rules of the Wyoming Public Service Commission (Rules) and in accordance with the COPA procedures set forth in the Cooperative's Billing Adjustments (BA) Tariff.

The Cooperative implemented a Cost of Power Adjustment as part of its general rate filing in 2001 (Docket No. 10014-CR-01-53). The COPA is a mechanism by which the Cooperative recovers and/or returns changes in wholesale power cost relative to the amount of power cost embedded in base retail rates. The current COPA became effective on January 10, 2015 (Docket No. 10014-157-CP-14).

The proposed COPA factors for 2016 in this Application have been designed based upon the base power cost approved in Docket No. 10014-145-CR-13.

The proposed COPA factors in this application reflect the projected cost of power for 2016 using projected billing units for the period and the applicable wholesale rates effective for 2016. The wholesale rate from Basin for 2016 has changed from the rate effective in 2015. The proposed COPA factors also reflect the reconciliation of the COPA revenue for the months of October 2014 through September 2015 and the accrual of interest on any over-recovered

balances during the true-up period. The COPA factors proposed in this application and the resulting increase in revenue are listed below:

	Existing COPA Factor	Proposed COPA Factor	Change in Revenue
All Rate Classes except			
LPT and LPT-CBM	\$(0.001073)	\$0.003338	\$5,715,849
LPT	\$0.0022270	\$0.005675	\$3,964,064
LPT-CBM	\$(0.000033)	\$0.003961	\$462,488

The net change in revenues resulting from the proposed changes to the Cooperative's COPA factors is \$10,142,401, as shown in Exhibit A-2.

In support of this Application, the Cooperative states:

- 1. Company Operations. The Applicant is a non-profit cooperative electric utility organized and 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. 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. The rates charged by the Cooperative for its electric service have been established and placed in effect under appropriate Orders of the Commission.
- 2. Authority. This Application is filed pursuant to Wyoming Statute § 37-3-106, §249 and §250 of the Rules and the current COPA procedures set forth in the Cooperative's Billing Adjustments (BA) Tariff (Original Sheets 34 through 38, approved in Docket No. 10014-156-CT-14).
- **3. Test-Year**. The test year for this application is based on projected sales for the twelve (12) months ending December 31, 2016.

- 4. Wholesale Power Supply. The Cooperative is a Class A member of Basin Electric Power Cooperative (Basin Electric), in Bismarck, North Dakota, and purchases all of its power requirements through agreements and contracts with Basin Electric. The Cooperative has an all requirements contract with Basin Electric that extends through December 31, 2075.
- 5. Purchased Power Costs for 2016. The Cooperative's projected purchased power costs for 2016 are calculated to be \$151,892,651, as shown in Exhibit B-1. Of this total amount, \$69,567,962 and \$6,466,792 are the projected power costs for the LPT and LPT-CBM and LPT-General rate classes, respectively, as shown in Exhibits C-1 and C-2. The Cooperative's projected power costs are based on the Cooperative's projected demand and energy purchases for 2016 and were calculated using Basin Electric's published Class A rates, Basin's Hybrid rate for Western Division purchases, and WAPA's (Western Area Power Administration) rates for 2016. The projected power cost for 2016 reflects the revised Basin Electric's Class A rates and its Hybrid rates. For the test year, the Cooperative's average wholesale power cost is projected to be 57.22 mills per kWh, compared to the projected 2015 average of 52.86 mills per kWh.
- 6. Cost of Power Adjustment. The proposed Cost of Power Adjustment for 2016 is equal to the sum of the recoverable power cost for 2016 and the over/under recovery for the 2014/2015 true-up period. The recoverable power cost for 2016 is calculated by taking the difference between the projected power cost for 2016 and the base cost of power recovered through the Cooperative's retail rates. Adding the over-recovery from the 2014/2015 true-up period to the recoverable power cost for 2016 results in a total projected Cost of Power Adjustment of \$11,308,464 as shown below:

Recoverable Power Cost for 2016	\$ 11,298,866
Under Recovery from True-up Period	9,598
Total Cost of Power Adjustment	\$11,308,464

Of this total, \$4,325,495 is associated with all rate classes other than the LPT and LPT-CBM rate classes (Exhibit A-1, Line 10); \$6,524,304 is associated with the LPT rate class (Exhibit A-1, Line 19); and \$458,667 is associated with the LPT-CBM and General rate classes (Exhibit A-1, Line 28).

The cost of power is calculated separately for the Cooperative's large power transmission rate classes in order to accurately reflect the assignment of fixed costs to each class. Basin Electric's Class A rate is applicable to wholesale purchases for the large power transmission classes, but the allocation of fixed cost is reduced over time as load growth increases for the remainder of the system. Separate COPA factors are necessary to track the change in power cost for these classes relative to the base power cost included in the base retail rates.

7. COPA Over/Under Recovery. The proposed COPA for 2016 includes a reconciliation of COPA revenues for the months of October 2014 through September 2015. During this period, the Cooperative recovered \$905,589 from its members through the COPA, based on the difference between the projected cost of power for the period and the base cost of power recovered in the retail rates. In addition, \$(257,726) was passed back to the Cooperative's members that related to the true-up of a prior twelve-month period. Therefore, total net amount recovered through the COPA during the current true-up period was \$647,863. The actual COPA revenue collected in the twelve-month true-up period is summarized on Exhibit S.

Exhibits E through P show the calculations of the COPA over/under recovery for each month in the true-up period. These calculations are summarized on Exhibit D. Additionally,

Exhibit D shows the accrual of interest on any monthly over- or under-recovered balance for the

rate classes during the Twelve (12) month true-up period.

The total system under-recovery for this time frame is \$9,598 and is included in the

calculation of the COPA factors for 2016 (Exhibit A-1). Of this amount, \$162,187 is an under-

recovery from all customers other than the LPT and LPT-CBM/LPT-General rate classes; \$122,098

is an over-recovery from the LPT rate class; and \$30,491 is an over-recovery from the LPT-

CBM/LPT-General rate class.

**8. Supporting Documentation**. The Cooperative submits the testimony of Mr. David

W. Hedrick and Exhibits A through T in support of this application.

**9. Tariff Rate Riders**. The proposed Tariff Rate Riders are included.

**10. Contacts**. Communications in regard to this Application are to be addressed to

Mr. Michael E. Easley, Chief Executive Officer for the Applicant, Post Office Box 930, Sundance,

Wyoming 82729; Mr. Mark L. Hughes, Attorney for the Applicant, Post Office Box 456, Sundance,

Wyoming 82729 and Mr. David W. Hedrick, C. H. Guernsey & Company, 5555 North Grand

Boulevard, Oklahoma City, OK 73112-5507.

WHEREFORE, the Cooperative respectfully requests that the Commission, in accordance

with Wyoming statutory provisions and the Commission's rules, enter an order effective January

10, 2016, authorizing the Cooperative to implement the proposed COPA for 2016.

Dated at Sundance, Wyoming this 23rd day of November 2015.

POWDER RIVER ENERGY CORPORATION

Muhael & Earley
Michael E. Easley

Chief Executive Officer

# BEFORE THE WYOMING PUBLIC SERVICE COMMISSION

#### **DIRECT TESTIMONY**

OF

# DAVID W. HEDRICK C. H. GUERNSEY & COMPANY OKLAHOMA CITY, OKLAHOMA

# ON BEHALF OF POWDER RIVER ENERGY CORPORATION, INC.

1	Q.	Please state your name and business address.
2	A.	My name is David W. Hedrick and my business address is 5555 North Grand Boulevard,
3		Oklahoma City, Oklahoma 73112-5507.
4	Q.	By whom are you employed and what is your position?
5	A.	I am employed by C. H. Guernsey & Company. I am a Vice President of the Company, and
6		I work primarily in the area of Electric Rate Analysis.
7	Q.	Please summarize your educational and professional background.
8	A.	I have earned a Bachelor of Science degree from the University of Central Oklahoma and
9		an M.B.A. degree from Oklahoma City, University. I have been employed by C. H.
LO		Guernsey & Company since 1981.
l1	Q.	Have you previously testified before regulatory commissions?
12	A.	Yes. I have testified before the Arizona Corporation Commission, The Arkansas Public
L3		Service Commission, the Oklahoma Corporation Commission, the Public Utility
L4		Commission of Texas, and the Wyoming Public Service Commission.
L5	Q.	Whom do you represent in this proceeding?
L6	A.	I represent Powder River Energy Corporation (PRECorp or the Cooperative).
L7	Q.	What is the purpose of your testimony?

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Power Adjustment) for 2016.

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I will provide testimony describing the purpose and development of COPA (Cost of

- 1 Q. What is the purpose of the Cost of Power Adjustment?
- 2 A. The COPA provides a mechanism by which the Cooperative can recover/return changes 3 in power cost increases or decreases relative to the amount of power cost embedded in the base retail rates. The change in power cost can be a result of an actual change in the 4 5 wholesale rates charged by the Cooperative's power supplier or as a result of a change 6 in billing units that results in a change in average power cost per kWh. The COPA 7 ensures that the Cooperative's margins are not affected by changes in the wholesale cost of power and that any increases or decreases are passed on to the Members of the 8 9 system.
- 10 Q. Please describe the general process involved in developing the COPA for 2016.
- The calculation of the COPA factor to be applied in 2016 is the sum of two components: 11 A. 12 the projected over/under recovery of power cost for 2016, plus a true-up of the 13 over/under recovery for the prior twelve-month period. The projected power cost is 14 based on the wholesale rates applicable in 2016, multiplied by the projected billing 15 units for 2016. The prior period over/under recovery is determined based on the actual 16 COPA revenue recovered compared to the actual recoverable power cost. In compliance 17 with Wyoming PSC rules, an interest component has been added to each month in the prior period when the Cooperative was in an over-recovered position. 18
- 19 Q. Please describe Exhibit A-1.
- 20 A. Exhibit A-1 is the summary schedule showing the development of the proposed 2016
  21 COPA factor for the three customer groups: Remainder of System, Large Power
  22 Transmission, and Large Power Transmission CBM and General. The projected power
  23 cost for the three groups is developed on Exhibits B-1, C-1, and C-2. The base power cost
  24 in rates (per unit rates) is the amount approved in Docket No. 10014-145-CR-13. The

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base power cost in rates multiplied by the projected kWh sold produces the Base Power Cost in Rates in dollars. This amount is subtracted from the projected power cost to determine the recoverable power cost. The over/under recovery for the prior period is added to the recoverable power cost to determine the total amount to include in the COPA for 2016. This amount is divided by the total projected kWh to determine the factor to be applied.

- 7 Q. Please describe Exhibit A-2.
- A. Exhibit A-2 shows the calculation of the change in COPA revenue resulting from the application of the proposed COPA factor for 2016. The change in revenue is calculated by applying the change from existing to proposed COPA factor to the projected kWh sold for 2016. The total increase in revenue is \$10,142,401.
- 12 Q. Please describe the development of the projected power cost shown on Exhibits B-1, C-13 1, and C-2.
  - Exhibit B-1 is the calculation of the projected total 2016 power cost for the system. The projected billing units were developed by the Cooperative based on the projected demand and energy requirements for 2016. The wholesale rates used to develop the projected power cost are the rates to be applied in 2016, which include Basin Electric's published Class A rates, Basin's Hybrid rate for Western Division purchases, and WAPA's (Western Area Power Administration) rates, which apply to the small WAPA allocation the Cooperative receives through Basin Electric.

Exhibit C-1 shows the calculation of the projected power cost for the Large Power Transmission class based on the projected billing units for 2016 and the effective Basin Rate to be applied in 2016. Exhibit C-2 shows the calculation of the projected

- power cost for the Large Power Transmission CBM and General class based on the projected billing units for 2016 and the effective Basin Rate to be applied in 2016.
- 3 Q. What is the projected change in COPA revenue?
- 4 A. The application of the proposed COPA for 2016 results in an increase in COPA revenue of \$10,142,401. Exhibit A-2 shows the change in both the recoverable power cost
- 6 component and the over/under recovery component of the COPA factors.
- 7 Q. Please describe the Summary of COPA Over/Under Recovery, shown on Exhibit D.
- 8 A. Column (a) of Exhibit D is the number of days in the month for purposes of calculating 9 the interest on any over-collected balance. Column (b) provides the summary of the actual over/under recovery for the months of October 2014 through September 2015, 10 as developed on Exhibit E through Exhibit P for each individual month. Column (c) is the 11 component of the COPA revenue for a prior year true-up. Column (d) is the sum of the 12 13 prior month's total over/under recovery (which includes interest) plus column (b) and 14 column (c). Column (d) is the amount upon which monthly interest is calculated. 15 Column (e) is the applicable interest rate for the period. Column (f) is the calculation of 16 interest based upon the balance in column (d), the number of days in Column (a), and the interest rate in column (e). Column (g) is the sum of columns (d) and (f). 17
- 18 Q. What does the September 2015 balance for each of the three groups represent?
- 19 A. The balance at September 2015 represents the amount by which the COPA is 20 over/under recovered for the customer group. The September 2015 balances shown on 21 Schedule D are included in the calculation of the 2016 COPA factor on Schedule A-1.0 as 22 an over/under recovery amount for the prior period.
- Q. Please describe the development of the monthly over/under recovery as shown on Exhibits E through P.

# Powder River Energy Corporation Direct Testimony of David W. Hedrick

- A. The summary of the actual power cost for the three different groups is shown on Exhibits Q, R-1, and R-2. The base cost in rates (per-unit rates) is the amount included in the Cooperative's Billing Adjustment tariff. This base power cost multiplied times the actual kWh sold for the period determines the actual base power cost (in dollars). The actual power cost less the base power cost in rates provides the recoverable power cost for the period. The recoverable power cost less the actual COPA revenue provides the amount of the over/under recovery for the period.
- 8 Q. Has the Cooperative confirmed that the power cost as projected represents the best 9 option available?
- 10 A. The Cooperative has a long-term all requirements purchase agreement with Basin

  Electric and therefore does not have the ability to choose a different power supplier.
- Q. What financial information has the Cooperative provided as an indication of the currentfinancial condition of the Cooperative?
- A. Exhibit T is the comparative income statement reflecting the Adjusted 2012 test year as approved in Docket No. 10014-145-CR-13, the Actual 2014 period and the Budgeted 2016 period which includes the revised COPA for 2016. The operating margins and financial ratios indicate that the Cooperative is not in an over-earnings position.
- 18 Q. Does this conclude your testimony?
- 19 A. Yes, it does.

#### **CALCULATION OF COPA FACTOR FOR 2016**

Demainder of System			<u>Amount</u>
Remainder of System  1 Projected Cost of Power for 2016 (Exhibit B-1, Page 2)			151,892,651
2 Less: Projected LPT Power Cost (L12)			69,567,962
3 Less: LPT CBM Power Cost (L21)			6,466,792
4 Remainder System Power Cost			75,857,897
5 Base Power Cost In Rates \$/kWh Sold			0.055330
6 Projected kWh Sold for 2016			1,295,763,418
7 Base Power Cost in Rates \$			71,694,590
8 Recoverable Power Cost (L4 - L7)			4,163,307
9 (Over)/Under Recovery for 2015 (Exhibit D)			162,187
10 Total Amount to Include in COPA for 2016			4,325,495
11 Calculated COPA Factor for 2016 (L10/L6)			0.003338
	Projected		
Large Power Transmission - LPT	Billing Unit		
12 Projected LPT Power Cost for 2016 (Exhibit C-1)			69,567,962
13 LPT Base Power Cost In Rates: (Proposed tariff)	0.050.044	40.00	04 440 000
14 Base Demand Charge NCP Billed @ Meter	2,356,341	13.33	31,410,026
<ul><li>Base Energy Charge kWh Billed @ Meter</li><li>Total LPTC Base Power Cost in Rate</li></ul>	1,149,636,427	0.027410	31,511,534
10 Total LPTC base Power Cost III Rate			62,921,560
17 LPT Recoverable Power Cost (L12 - L16)			6,646,402
18 (Over)/Under Recovery for 2015 (Exhibit D)			(122,098)
19 Total Amount to Include in LPT COPA for 2016			6,524,304
20 LPT COPA Factor for 2016 (L19/ kWh Sold for Class)	1,149,636,427		0.005675
Large Power Transmission - LPT-CBM & Other			
21 Projected LPT-CBM Power Cost for 2016 (Exhibit C-2)			6,466,792
22 LPT-CBM Base Power Cost In Rates: (Proposed tariff)			, ,
23 Base Demand Charge CP Billed @ Meter	162,918	16.99	2,767,971
24 Base Energy Charge kWh Billed @ Meter	115,788,708	0.027720	3,209,663
25 Total LPTC Base Power Cost in Rate			5,977,634
26 LPT Recoverable Power Cost (L21 - L25)			489,157
27 (Over)/Under Recovery for 2015 (Exhibit D)			(30,491)
28 Total Amount to Include in LPT-CBM COPA for 2016			458,667
29 LPT COPA Factor for 2016 (L28/ kWh Sold for Class)	115,788,708		0.003961

#### **CALCULATION OF INCREASED COPA REVENUE**

	Existing COPA	Proposed <u>COPA</u>	Change in COPA	Projected <u>kWh</u>	Change \$
Total COPA Remainder of System	(0.001073)	0.003338	0.004411	1,295,763,418	5,715,849
Large Power Transmission	0.002227	0.005675	0.003448	1,149,636,427	3,964,064
Large Power Transmission CBM	(0.000033)	0.003961	0.003994	115,788,708	462,488
Total				2,561,188,553	10,142,401
Power Cost Component Remainder of System	(0.000655)	0.003213	0.003868	1,295,763,418	5,012,033
Large Power Transmission	0.001585	0.005781	0.004196	1,149,636,427	4,824,228
Large Power Transmission CBM	0.000267	0.004225	0.003958	115,788,708	458,242
Total					10,294,503
(Over)/Under Recovery Component Remainder of System	(0.000418)	0.000125	0.000543	1,295,763,418	703,816
Large Power Transmission	0.000642	(0.000106)	(0.000748)	1,149,636,427	(860,164)
Large Power Transmission CBM	(0.000300)	(0.000263)	0.000037	115,788,708	4,246
Total					(152,102)

# PROJECTED PURCHASED POWER USING 2016 BASIN RATE FOR ALL BASIN LOAD FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2015

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>	<u>Total</u>
Black Hills Electric Energy - kWh Billing	0 0	0	0 0	611,425 35,414	611,425 35,414.00								
<u>WAPA</u> Metered Demand - kW Metered Energy - kWh	10,762 6,936,419	9,482 5,591,286	9,773 6,068,851	9,005 5,561,269	9,361 5,989,990	11,067 7,121,339	13,323 8,622,982	10,446 5,406,695	10,159 6,628,726	10,129 5,779,470	10,724 5,674,198	11,321 6,273,626	125,553 75,654,851
WAPA Billing Calculation Demand Billing Energy Billing Total	58,438.82 143,653.23 202,092.05	51,485.09 115,795.53 167,280.62	53,065.69 125,685.91 178,751.60	48,899.00 115,173.89 164,072.89	50,828.96 124,052.69 174,881.65	60,093.03 147,482.93 207,575.97	72,343.06 178,581.95 250,925.01	56,724.37 111,972.65 168,697.02	55,165.92 137,280.92 192,446.83	55,001.21 119,692.83 174,694.04	58,233.00 117,512.63 175,745.64	61,475.45 129,926.79 191,402.24	681,754 1,566,812 2,248,566
BASIN Projected kW Purchased Projected kWh Purchased	362,627.06 233,522,533	364,569.44 214,867,190	355,646.92 220,485,662	324,210.57 200,079,011	305,537.18 195,319,831	290,199.34 184,194,009	293,550.09 189,696,741	299,081.05 199,528,588	304,499.31 198,665,639	315,496.14 203,772,943	334,034.24 211,907,795	352,633.47 224,802,537	3,902,084.81 2,476,842,479
BASIN Billing Calculation Demand Charge Energy Charge PCA Demand Credit PCA Energy Credit	18.06 0.02955 0.00000 0.00000												
Demand Billing Fixed Charges Energy Billing Wheeling Charges	6,549,044.71 4,400.00 6,900,590.86	6,584,124.00 4,400.00 6,349,325.46	6,422,983.32 4,400.00 6,515,351.30	5,855,242.90 4,400.00 5,912,334.77	5,518,001.49 4,400.00 5,771,701.02	5,241,000.08 4,400.00 5,442,932.96	5,301,514.66 4,400.00 5,605,538.69	5,401,403.76 4,400.00 5,896,069.78	5,499,257.57 4,400.00 5,870,569.63	5,697,860.31 4,400.00 6,021,490.46	6,032,658.41 4,400.00 6,261,875.35	6,368,560.56 4,400.00 6,642,914.98	70,471,651.75 52,800.00 73,190,695.26 0.00
Substation Lease Credit Direct Dues Charge Data Incentive Credit	0.00 (10,536.96)	0.00 (9,980.33)	0.00 (9,136.53)	0.00 (9,391.18)	0.00 (8,527.95)	0.00 (8,370.03)	0.00 (7,950.65)	0.00 (8,255.30)	0.00 82,500.00 (8,736.75)	0.00 (8,544.00)	0.00 (8,663.54)	0.00 (8,990.63)	0.00 82,500.00 (107,083.84)
Other Total	13,443,498.61	12,927,869.13	12,933,598.09	11,762,586.50	11,285,574.55	10,679,963.01	10,903,502.70	11,293,618.24	11,447,990.45	11,715,206.76	12,290,270.21	13,006,884.91	0.00 143,690,563.17
Western Division CP kW Metered Energy kWh Metered	11,551 7,081,918	10,419 6,124,339	9,983 6,175,547	8,393 5,625,199	8,976 5,903,026	9,050 5,663,201	10,338 6,549,742	10,280 6,506,855	9,862 6,391,275	9,466 4,910,179	10,022 5,096,564	10,581 7,084,999	118,923 73,112,845
Hybrid Rate from Basin CP Demand Charge Energy Charge	18.06 0.03247												
CP Billing Energy Billing Total	208,619 229,950 438,569	188,172 198,857 387,030	180,287 200,520 380,807	151,580 182,650 334,231	162,112 191,671 353,784	163,440 183,884 347,324	186,713 212,670 399,383	185,659 211,278 396,936	178,116 207,525 385,640	170,961 159,434 330,394	181,006 165,485 346,492	191,085 230,050 421,135	2,147,751 2,373,974 4,521,725
Compression CP kW Metered Energy kWh Metered	2,759 1,967,484	2,798 1,830,425	2,784 2,049,331	2,825 1,933,312	2,790 2,037,827	2,046 1,787,716	2,119 1,512,947	2,060 6,976,650	2,872 1,914,314	2,490 2,125,931	2,636 2,087,207	2,783 2,108,117	30,963 28,331,261
Compression Rate CP Demand Charge Energy Charge	18.06 0.02955												
CP Billing Energy Billing Total	49,836 58,139 107,976	50,529 54,089 104,618	50,278 60,558 110,836	51,014 57,129 108,144	50,386 60,218 110,604	36,950 52,827 89,777	38,277 44,708 82,984	37,206 206,160 243,366	51,873 56,568 108,441	44,970 62,821 107,791	47,612 61,677 109,289	50,263 62,295 112,558	559,194 837,189 1,396,383
Total Billing kW Total kWh Total Power Cost	387,700 249,508,355 14,192,135	387,268 228,413,240 13,586,797	378,186 234,779,392 13,603,993	344,434 213,198,791 12,369,034	326,664 209,250,674 11,924,844	312,362 198,766,265 11,324,640	319,331 206,382,412 11,636,795	321,868 218,418,788 12,102,617	327,393 213,599,953 12,134,519	337,582 216,588,523 12,328,086	357,417 224,765,764 12,921,796	377,319 240,880,704 13,767,394	4,177,524 2,654,552,861 151,892,651

#### PROJECTED POWER COST FOR 2016 FOR LARGE POWER TRANSMISSION - (LPT)

	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December	Total
Billing Units @ Basin Level													
Total Basin Billing kW	362,627	364,569	355,647	324,211	305,537	290,199	293,550	299,081	304,499	315,496	334,034	352,633	3,902,085
LPT Billing kW	176,976	188,517	179,509	153,933	149,502	144,651	146,715	153,502	153,545	164,357	175,791	165,703	1,952,701
LPT kW as % of Total	48.80%	51.71%	50.47%	47.48%	48.93%	49.85%	49.98%	51.32%	50.43%	52.09%	52.63%	46.99%	50.04%
Total LPT kWh Purchased	110,291,402	101,057,726	103,551,221	94,285,373	86,581,062	78,946,563	86,870,346	93,467,880	91,169,976	99,019,502	102,722,796	110,679,107	1,158,642,954
Effective Basin Rate													
Demand Charge	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	
Energy Charge	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	
Fixed Charges per CP kW	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	
Substation Lease per CP kW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Wheeling Charge per CP kW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Adjustments/Other Credits	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00042	0.00000	0.00000	0.00000	
Demand Billing	3,196,187	3,404,617	3,241,933	2,780,030	2,700,006	2,612,397	2,649,673	2,772,246	2,773,023	2,968,287	3,174,785	2,992,596	35,265,780
Energy Billing	3,259,111	2,986,256	3,059,939	2,786,133	2,558,470	2,332,871	2,567,019	2,761,976	2,694,073	2,926,026	3,035,459	3,270,568	34,237,899
Fixed Charges Billing	2,395	2,551	2,429	2,083	2,023	1,957	1,985	2,077	2,078	2,224	2,379	2,242	26,422
Substation Lease Billing	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheeling Charges Billing	0	0	0	0	0	0	0	0	0	0	0	0	0
Adjustments/Other Credits	0	0	0	0	0	0	0	0	37,860	0	0	0	37,860
Total LPT Power Cost	6,457,692	6,393,424	6,304,300	5,568,246	5,260,499	4,947,225	5,218,677	5,536,299	5,507,033	5,896,538	6,212,623	6,265,406	69,567,962

#### PROJECTED POWER COST FOR 2016 FOR LARGE POWER TRANSMISSION - COAL BED METHANE & OTHER

	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December	<u>Total</u>
Billing Units @ Basin Level													
Total Basin Billing kW	362,627	364,569	355,647	324,211	305,537	290,199	293,550	299,081	304,499	315,496	334,034	352,633	3,902,085
LPT-CBM Billing kW	13,781	14,410	14,187	15,237	14,632	12,573	12,925	13,761	12,731	13,865	13,880	13,417	165,399
LPT-CBM kW as % of Total	3.80%	3.95%	3.99%	4.70%	4.79%	4.33%	4.40%	4.60%	4.18%	4.39%	4.16%	3.80%	4.24%
kWh Purchased	10,037,100	9,378,003	10,852,699	10,012,688	9,996,952	9,468,239	9,881,170	9,369,045	9,117,788	9,622,118	9,590,801	10,225,386	117,551,989
Effective Basin Rate													
Demand Charge	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	
Energy Charge	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	0.02955	
Fixed Charges per CP kW	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	
Substation Lease per CP kW	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Wheeling Charge per CP kW	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Adjustments/Other Credits	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00042	0.00000	0.00000	0.00000	
Demand Billing	248,885	260,245	256,217	275,180	264,254	227,068	233,426	248,524	229,922	250,402	250,673	242,311	2,987,106
Energy Billing	296,596	277,120	320,697	295,875	295,410	279,786	291,989	276,855	269,431	284,334	283,408	302,160	3,473,661
Fixed Charges Billing	186	195	192	206	198	170	175	186	172	188	188	182	2,238
Substation Lease Billing	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheeling Charges Billing	0	0	0	0	0	0	0	0	0	0	0	0	0
Adjustments/Other Credits	0	0	0	0	0	0	0	0	3,786	0	0	0	3,786
Total LPT - CBM Power Cost	545,668	537,560	577,106	571,261	559,862	507,025	525,589	525,565	503,311	534,923	534,269	544,653	6,466,792

# SUMMARY OF COPA OVER/UNDER RECOVERY FOR THE PERIOD OCTOBER 2014 SEPTEMBER 2015

	(a) (b)		(c) (d) Prior Year		(e) (f) <b>Annual</b>		(g) <b>Total</b>
	Dovo	(Over)/Under	True Up	Polonos	Interest	Interest	(Over)/Under
Remainder Classes	<u>Days</u>	Recovery	in COPA	<u>Balance</u>	<u>Rate</u>	<u>Interest</u>	Recovery
Beginning Balance							(577,857)
October 14	31	(364,156)	213,252	(728,761)	1.73%	(1,071)	(729,832)
November 14	30	310,255	219,439	(200,138)	1.73%	(285)	(200,423)
December 14	31	730,854	234,385	764,817	1.73%	-	764,817
January 15	31	(216,631)	53,385	601,571	1.68%	-	601,571
February 15	28	406,598	48,420	1,056,589	1.68%	-	1,056,589
March 15	31	83,279	50,298	1,190,167	1.68%	-	1,190,167
April 15	30	21,136	48,443	1,259,746	1.68%	-	1,259,746
May 15	31	(217,878)	43,711	1,085,579	1.68%	-	1,085,579
June 15	30	(266,737)	41,963	860,804	1.68%	-	860,804
July 15	31	(359,240)	43,098	544,662	1.68%	-	544,662
August 15	31	(31,199)	41,252	554,714	1.68%	-	554,714
September 15	30	(435,215)	42,688	162,187	1.68%	-	162,187
Subtotal		(338,935)	1,080,334			(1,355)	
LPT Class							
Beginning Balance							793,823
October 14	31	115,322	(85,607)	823,538	1.73%	-	823,538
November 14	30	173,045	(92,800)	903,783	1.73%	-	903,783
December 14	31	(75,600)	(99,687)	728,496	1.73%	-	728,496
January 15	31	(54,918)	(74,088)	599,490	1.68%	-	599,490
February 15	28	199,473	(67,891)	731,071	1.68%	-	731,071
March 15	31	75,292	(69,566)	736,797	1.68%	-	736,797
April 15	30	(184,299)	(63,342)	489,156	1.68%	-	489,156
May 15	31	(114,071)	(58,166)	316,919	1.68%	-	316,919
June 15	30	(157,979)	(53,037)	105,903	1.68%	-	105,903
July 15	31	(139,490)	(58,360)	(91,947)	1.68%	(131)	(92,079)
August 15	31	35,583	(62,792)	(119,288)	1.68%	(170)	(119,459)
September 15	30	58,246	(60,717)	(121,929)	1.68%	(168)	(122,098)
Subtotal		(69,397)	(846,054)			(470)	
LPT CBM Class							(20, 222)
Beginning Balance October 14	24	(066)	458	(20.044)	4 720/	(44)	(29,333)
November 14	31 30	(966)		(29,841) (30,405)	1.73%	(44)	(29,885) (30,448)
	31	(959)	439		1.73%	(43)	
December 14		(1,268)	454 2.451	(31,263)	1.73%	(46)	(31,308)
January 15 February 15	31 28	(1,277)	2,451	(30,135) (29,162)	1.68% 1.68%	(43)	(30,178)
March 15	31	(1,289) (1,366)	2,305	(27,879)	1.68%	(38) (40)	(29,199)
April 15	30	(1,016)	2,686 2,461	(26,474)	1.68%	(37)	(27,919) (26,510)
May 15	31	(1,016)	2,461 2,441	(25,045)	1.68%	(36)	(25,081)
June 15	30	(12,453)	2,441	(35,160)	1.68%	(49)	(35,208)
July 15	31	(12,453)	2,57 <del>4</del> 2,575	(33,597)	1.68%	(48)	(33,645)
August 15	31	(938)	2,430	(32,153)	1.68%	(46)	(32,198)
September 15	30	(623)	2,430	(30,449)	1.68%	(42)	(30,491)
Subtotal	50	(24,093)	23,446	(50,449)	1.00/0	(510)	(50,431)
Capiciai		(27,000)	20,440			(310)	

(Over)/Under Recovery derived on monthly worksheets

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: OCTOBER 2014

Description of Occasions			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)			12,134,745 5,772,834
3 Less: LPT CBM Power Cost (L19)			424,793
4 Remainder System Power Cost			5,937,118
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)			0.055330
6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			114,335,406
7 Base Power Cost In Rates \$			6,326,178
8 Recoverable Power Cost (L4 - L7)			(389,060)
9 Actual COPA Revenue Collected for Period			(24,904)
10 (Over)/Under Recovery (L8 - L9)			(364,156)
Large Power Transmission - LPT	Billing Unit		
11 LPT Power Cost (Schedule "LPT Actual Power Cost")			5,772,834
<ul><li>12 LPT Base Power Cost In Rates: (Rate in Effect for Period)</li><li>13 Base Demand Charge</li></ul>	206,546	13.33	2,753,257
14 Base Energy Charge	103,650,619	0.027410	2,841,063
15 Total LPT Base Power Cost in Rate			5,594,320
16 LPT Recoverable Power Cost (L11 - L15)			178,514
17 Actual LPT COPA Revenue Collected for Period			63,192
18 (Over)/Under Recovery (L16 - L17)			115,322
Large Power Transmission Coal Bed Methane - LPT-CBM			
19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")			424,793
20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)	11.075	16.00	202.450
<ul><li>21 Base Demand Charge</li><li>22 Base Energy Charge</li></ul>	11,975 7,942,123	16.99 0.027720	203,450 220,156
23 Total LPT Base Power Cost in Rate	.,0 :=, :=0	0.02.1.20	423,606
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,187
25 Actual LPT-CBM COPA Revenue Collected for Period			2,153
26 (Over)/Under Recovery (L24 - L25)			(966)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: NOVEMBER 2014

Daniela Inna (Octobra			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")			13,089,692
2 Less: LPT Power Cost (L11)			6,086,217
3 Less: LPT CBM Power Cost (L19)			406,063
4 Remainder System Power Cost			6,597,412
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)			0.055330
6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold			114,079,249
7 Base Power Cost in Rates \$			6,312,005
8 Recoverable Power Cost (L4 - L7)			285,407
9 Actual COPA Revenue Collected for Period			(24,848)
10 (Over)/Under Recovery (L8 - L9)			310,255
Large Power Transmission - LPT	Billing Unit		
11 LPT Power Cost (Schedule "LPT Actual Power Cost")			6,086,217
12 LPT Base Power Cost In Rates: (Rate in Effect for Period)			
13 Base Demand Charge	217,577	13.33	2,900,299
<ul><li>14 Base Energy Charge</li><li>15 Total LPT Base Power Cost in Rate</li></ul>	107,527,115	0.027410	2,947,318 5,847,617
Total El 1 Base 1 owel Gost III Nate			3,047,017
16 LPT Recoverable Power Cost (L11 - L15)			238,599
17 Actual LPT COPA Revenue Collected for Period			65,555
18 (Over)/Under Recovery (L16 - L17)			173,045
Large Power Transmission Coal Bed Methane - LPT-CBM			
19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")			406,063
20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			,
21 Base Demand Charge	10,919	16.99	185,509
22 Base Energy Charge	7,913,690	0.027720	219,367
23 Total LPT Base Power Cost in Rate			404,877
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,186
25 Actual LPT-CBM COPA Revenue Collected for Period			2,145
26 (Over)/Under Recovery (L24 - L25)			(959)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: DECEMBER 2014

Parasin day of Octors			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")			13,979,514
2 Less: LPT Power Cost (L11)			6,134,194
3 Less: LPT CBM Power Cost (L19)			412,748
4 Remainder System Power Cost			7,432,572
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)			0.055330
6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold			121,601,530
7 Base Power Cost in Rates \$			6,728,213
8 Recoverable Power Cost (L4 - L7)			704,359
9 Actual COPA Revenue Collected for Period			(26,495)
10 (Over)/Under Recovery (L8 - L9)			730,854
Large Power Transmission - LPT	Billing Unit		
11 LPT Power Cost (Schedule "LPT Actual Power Cost")			6,134,194
12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	000 000	40.00	0.000.504
<ul><li>13 Base Demand Charge</li><li>14 Base Energy Charge</li></ul>	222,323 115,855,541	13.33 0.027410	2,963,561 3,175,600
15 Total LPT Base Power Cost in Rate	113,033,341	0.027410	6,139,162
40.1575			(4.007)
16 LPT Recoverable Power Cost (L11 - L15)			(4,967)
17 Actual LPT COPA Revenue Collected for Period			70,632
18 (Over)/Under Recovery (L16 - L17)			(75,600)
Large Power Transmission Coal Bed Methane - LPT-CBM			
19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")			412,748
20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			
21 Base Demand Charge	10,844	16.99 0.027720	184,245
<ul><li>Base Energy Charge</li><li>Total LPT Base Power Cost in Rate</li></ul>	8,208,731	0.027720	227,546 411,791
20 Total El T Badd I dwdi Gddt iii Nate			111,701
24 LPT-CBM Recoverable Power Cost (L19 - L23)			957
25 Actual LPT-CBM COPA Revenue Collected for Period			2,225
26 (Over)/Under Recovery (L24 - L25)			(1,268)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: JANUARY 2015

			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			13,922,516 6,316,838 418,109 7,187,569
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period) 6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			0.055330 135,328,675 7,487,736
8 Recoverable Power Cost (L4 - L7)			(300,167)
9 Actual COPA Revenue Collected for Period			(83,536)
10 (Over)/Under Recovery (L8 - L9)			(216,631)
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		6,316,838
13 Base Demand Charge 14 Base Energy Charge 15 Total LPT Base Power Cost in Rate	226,877 115,449,703	13.33 0.027410	3,024,268 3,164,476 6,188,745
16 LPT Recoverable Power Cost (L11 - L15)			128,094
17 Actual LPT COPA Revenue Collected for Period			183,012
18 (Over)/Under Recovery (L16 - L17)			(54,918)
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			418,109
<ul> <li>Base Demand Charge</li> <li>Base Energy Charge</li> <li>Total LPT Base Power Cost in Rate</li> </ul>	11,224 8,171,328	16.99 0.027720	190,696 226,509 417,205
24 LPT-CBM Recoverable Power Cost (L19 - L23)			904
25 Actual LPT-CBM COPA Revenue Collected for Period			2,181
26 (Over)/Under Recovery (L24 - L25)			(1,277)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: FEBRUARY 2015

			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)			13,169,495 6,253,117
<ul><li>3 Less: LPT CBM Power Cost (L19)</li><li>4 Remainder System Power Cost</li></ul>			414,822 6,501,556
<ul><li>5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)</li><li>6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold</li><li>7 Base Power Cost in Rates \$</li></ul>			0.055330 111,525,692 6,170,717
8 Recoverable Power Cost (L4 - L7)			330,840
9 Actual COPA Revenue Collected for Period			(75,758)
10 (Over)/Under Recovery (L8 - L9)			406,598
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		6,253,117
<ul><li>13 Base Demand Charge</li><li>14 Base Energy Charge</li></ul>	224,037 105,784,170	13.33 0.027410	2,986,410 2,899,544
15 Total LPT Base Power Cost in Rate	103,704,170	0.027410	5,885,955
16 LPT Recoverable Power Cost (L11 - L15)			367,163
17 Actual LPT COPA Revenue Collected for Period			167,690
18 (Over)/Under Recovery (L16 - L17)			199,473
<u>Large Power Transmission Coal Bed Methane - LPT-CBM</u> 19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			414,822
<ul><li>21 Base Demand Charge</li><li>22 Base Energy Charge</li></ul>	11,832 7,685,203	16.99 0.027720	201,026 213,034
23 Total LPT Base Power Cost in Rate	7,000,200	0.021120	414,060
24 LPT-CBM Recoverable Power Cost (L19 - L23)			762
25 Actual LPT-CBM COPA Revenue Collected for Period			2,052
26 (Over)/Under Recovery (L24 - L25)			(1,289)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: MARCH 2015

Parada da af Cartana			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")			13,270,121
2 Less: LPT Power Cost (L11) 3 Less: LPT CBM Power Cost (L19)			6,167,165
4 Remainder System Power Cost			446,299 6,656,657
Tromandor System Fower Soci			0,000,001
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)			0.055330
6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold			120,225,460
7 Base Power Cost in Rates \$			6,652,075
8 Recoverable Power Cost (L4 - L7)			4,583
9 Actual COPA Revenue Collected for Period			(78,697)
3 Actual COL A Revenue Collected for Lendu			(10,091)
10 (Over)/Under Recovery (L8 - L9)			83,279
Large Power Transmission - LPT	Billing Unit		
11 LPT Power Cost (Schedule "LPT Actual Power Cost")	<u>Dinning Offic</u>		6,167,165
12 LPT Base Power Cost In Rates: (Rate in Effect for Period)			
13 Base Demand Charge	221,227	13.33	2,948,958
14 Base Energy Charge	108,394,285	0.027410	2,971,087
15 Total LPT Base Power Cost in Rate			5,920,045
16 LPT Recoverable Power Cost (L11 - L15)			247,120
17 Actual LPT COPA Revenue Collected for Period			171,828
18 (Over)/Under Recovery (L16 - L17)			75,292
Large Power Transmission Coal Bed Methane - LPT-CBM			
19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")			446,299
20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			1.10,200
21 Base Demand Charge	11,599	16.99	197,067
22 Base Energy Charge	8,954,089	0.027720	248,207
23 Total LPT Base Power Cost in Rate			445,274
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,025
25 Actual LPT-CBM COPA Revenue Collected for Period			2,390
26 (Over)/Under Recovery (L24 - L25)			(1,366)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: APRIL 2015

Parasin day of Octors			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			11,991,124 5,449,820 444,175 6,097,129
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period) 6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			0.055330 111,183,592 6,151,788
8 Recoverable Power Cost (L4 - L7)			(54,659)
9 Actual COPA Revenue Collected for Period			(75,795)
10 (Over)/Under Recovery (L8 - L9)			21,136
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		5,449,820
13 Base Demand Charge 14 Base Energy Charge 15 Total LPT Base Power Cost in Rate	207,985 98,695,076	13.33 0.027410	2,772,434 2,705,232 5,477,666
16 LPT Recoverable Power Cost (L11 - L15)			(27,847)
17 Actual LPT COPA Revenue Collected for Period			156,452
18 (Over)/Under Recovery (L16 - L17)			(184,299)
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			444,175
21 Base Demand Charge 22 Base Energy Charge 23 Total LPT Base Power Cost in Rate	12,688 8,204,591	16.99 0.027720	215,569 227,431 443,000
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,174
25 Actual LPT-CBM COPA Revenue Collected for Period			2,190
26 (Over)/Under Recovery (L24 - L25)			(1,016)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: MAY 2015

			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			11,321,741 5,150,226 433,084 5,738,430
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period) 6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			0.055330 108,886,670 6,024,699
8 Recoverable Power Cost (L4 - L7)			(286,269)
9 Actual COPA Revenue Collected for Period			(68,391)
10 (Over)/Under Recovery (L8 - L9)			(217,878)
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		5,150,226
13 Base Demand Charge 14 Base Energy Charge 15 Total LPT Base Power Cost in Rate	197,783 90,630,436	13.33 0.027410	2,636,449 2,484,180 5,120,630
16 LPT Recoverable Power Cost (L11 - L15)			29,597
17 Actual LPT COPA Revenue Collected for Period			143,668
18 (Over)/Under Recovery (L16 - L17)			(114,071)
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			433,084
<ul> <li>21 Base Demand Charge</li> <li>22 Base Energy Charge</li> <li>23 Total LPT Base Power Cost in Rate</li> </ul>	12,146 8,135,887	16.99 0.027720	206,361 225,527 431,887
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,197
25 Actual LPT-CBM COPA Revenue Collected for Period			2,172
26 (Over)/Under Recovery (L24 - L25)			(975)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: JUNE 2015

Paradia da a Constana			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			10,279,550 4,721,592 392,724 5,165,234
<ul><li>5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)</li><li>6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold</li><li>7 Base Power Cost in Rates \$</li></ul>			0.055330 99,360,674 5,497,626
8 Recoverable Power Cost (L4 - L7)			(332,392)
9 Actual COPA Revenue Collected for Period			(65,655)
10 (Over)/Under Recovery (L8 - L9)			(266,737)
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		4,721,592
<ul> <li>Base Demand Charge</li> <li>Base Energy Charge</li> <li>Total LPT Base Power Cost in Rate</li> </ul>	186,305 82,638,874	13.33 0.027410	2,483,440 2,265,132 4,748,571
16 LPT Recoverable Power Cost (L11 - L15)			(26,979)
17 Actual LPT COPA Revenue Collected for Period			131,000
18 (Over)/Under Recovery (L16 - L17)			(157,979)
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			392,724
21 Base Demand Charge 22 Base Energy Charge 23 Total LPT Base Power Cost in Rate	10,813 7,913,114	16.99 0.027720	183,713 219,352 403,064
24 LPT-CBM Recoverable Power Cost (L19 - L23)			(10,340)
25 Actual LPT-CBM COPA Revenue Collected for Period			2,113
26 (Over)/Under Recovery (L24 - L25)			(12,453)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: JULY 2015

			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")			10,804,116
2 Less: LPT Power Cost (L11)			5,068,307
3 Less: LPT CBM Power Cost (L19) 4 Remainder System Power Cost			428,290 5,307,520
4 Remainder System Fower Cost			3,307,320
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period)			0.055330
6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold			103,636,182
7 Base Power Cost in Rates \$			5,734,190
8 Recoverable Power Cost (L4 - L7)			(426,670)
9 Actual COPA Revenue Collected for Period			(67,431)
10 (Over)/Under Recovery (L8 - L9)			(359,240)
Large Power Transmission - LPT	Billing Unit		
11 LPT Power Cost (Schedule "LPT Actual Power Cost")			5,068,307
12 LPT Base Power Cost In Rates: (Rate in Effect for Period)			
<ul><li>13 Base Demand Charge</li><li>14 Base Energy Charge</li></ul>	192,886 90,933,250	13.33 0.027410	2,571,168 2,492,480
<ul><li>14 Base Energy Charge</li><li>15 Total LPT Base Power Cost in Rate</li></ul>	90,933,230	0.027410	5,063,649
To the state of th			3,333,313
16 LPT Recoverable Power Cost (L11 - L15)			4,658
17 Actual LPT COPA Revenue Collected for Period			144,148
18 (Over)/Under Recovery (L16 - L17)			(139,490)
Large Power Transmission Coal Bed Methane - LPT-CBM			
19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")			428,290
20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			
21 Base Demand Charge	11,126	16.99	189,031
22 Base Energy Charge	8,583,350	0.027720	237,930
23 Total LPT Base Power Cost in Rate			426,961
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,328
25 Actual LPT-CBM COPA Revenue Collected for Period			2,291
26 (Over)/Under Recovery (L24 - L25)			(963)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: AUGUST 2015

Danielin dan af Custana			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			11,246,259 5,457,409 429,609 5,359,241
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period) 6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			0.055330 98,589,964 5,454,983
8 Recoverable Power Cost (L4 - L7)			(95,742)
9 Actual COPA Revenue Collected for Period			(64,542)
10 (Over)/Under Recovery (L8 - L9)			(31,199)
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		5,457,409
<ul> <li>Base Demand Charge</li> <li>Base Energy Charge</li> <li>Total LPT Base Power Cost in Rate</li> </ul>	193,920 97,839,349	13.33 0.027410	2,584,954 2,681,777 5,266,730
16 LPT Recoverable Power Cost (L11 - L15)			190,679
17 Actual LPT COPA Revenue Collected for Period			155,096
18 (Over)/Under Recovery (L16 - L17)			35,583
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			429,609
21 Base Demand Charge 22 Base Energy Charge 23 Total LPT Base Power Cost in Rate	12,000 8,099,000	16.99 0.027720	203,880 224,504 428,384
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,225
25 Actual LPT-CBM COPA Revenue Collected for Period			2,163
26 (Over)/Under Recovery (L24 - L25)			(938)

# CALCULATION OF COPA OVER/UNDER RECOVERY FOR THE MONTH OF: SEPTEMBER 2015

			<u>Amount</u>
Remainder of System  1 Actual Cost of Power (Schedule "Actual System Power Cost")  2 Less: LPT Power Cost (L11)  3 Less: LPT CBM Power Cost (L19)  4 Remainder System Power Cost			10,869,999 5,312,822 408,248 5,148,929
5 Base Power Cost In Rates \$/kWh Sold (Rate in Effect for Period) 6 kWh Sold for Period Excluding LPT and LPT-CBM kWh Sold 7 Base Power Cost in Rates \$			0.055330 102,131,473 5,650,934
8 Recoverable Power Cost (L4 - L7)			(502,006)
9 Actual COPA Revenue Collected for Period			(66,790)
10 (Over)/Under Recovery (L8 - L9)			(435,215)
Large Power Transmission - LPT  11 LPT Power Cost (Schedule "LPT Actual Power Cost")  12 LPT Base Power Cost In Rates: (Rate in Effect for Period)	Billing Unit		5,312,822
<ul> <li>13 Base Demand Charge</li> <li>14 Base Energy Charge</li> <li>15 Total LPT Base Power Cost in Rate</li> </ul>	188,406 94,606,105	13.33 0.027410	2,511,452 2,593,153 5,104,605
16 LPT Recoverable Power Cost (L11 - L15)			208,217
17 Actual LPT COPA Revenue Collected for Period			149,970
18 (Over)/Under Recovery (L16 - L17)			58,246
Large Power Transmission Coal Bed Methane - LPT-CBM  19 LPT-CBM Power Cost (Schedule "LPT-CBM Actual Power Cost")  20 LPT-CBM Base Power Cost In Rates: (Rate in Effect for Period)			408,248
21 Base Demand Charge 22 Base Energy Charge 23 Total LPT Base Power Cost in Rate	11,036 7,909,716	16.99 0.027720	187,502 219,257 406,759
24 LPT-CBM Recoverable Power Cost (L19 - L23)			1,489
25 Actual LPT-CBM COPA Revenue Collected for Period			2,112
26 (Over)/Under Recovery (L24 - L25)			(623)

### ACTUAL PURCHASED POWER FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 2015

	October	November	December	January	February	March	<u>April</u>	May	<u>June</u>	July	August	September	<u>Total</u>
<u>Black Hills Electric</u> Energy - kWh Billing	0 0.00	0 0.00	900,950 60,543.86	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	900,950 60,543.86
<u>WAPA</u> Metered Demand - kW Metered Energy - kWh	10,526 7,007,274	11,041 7,007,274	11,531 7,670,685	11,169 7,463,369	9,829 5,887,769	10,196 6,426,789	9,219 5,921,855	9,443 6,205,779	11,224 7,138,677	13,339 8,923,343	10,674 7,138,676	7,998 5,232,325	126,189 82,023,815
WAPA Billing Calculation Demand Billing Energy Billing Total	62,551.12 145,120.64 207,671.76	66,619.54 145,120.64 211,740.18	63,444.12 158,859.89 222,304.01	63,163.22 154,566.37 217,729.59	59,826.17 121,935.70 181,761.87	68,412.82 133,098.80 201,511.62	61,406.79 122,641.62 184,048.41	67,045.73 128,521.68 195,567.41	66,533.69 147,842.00 214,375.69	73,408.17 184,802.43 258,210.60	66,805.31 147,841.98 214,647.29	51,521.76 108,361.45 159,883.21	770,738.44 1,698,713.21 2,469,451.65
BASIN Actual Billing kW Billing kW Adjustment	333,473	371,283	382,032	381,354	382,964	375,965	336,295	312,334	294,320	291,784	305,595	300,783	4,068,182
Heat Rate kW Billing Energy - kWh kWh Adjustment Heat Rate kWh	0 218,730,652 0	239 232,535,418 115,347	841 250,258,559 393,465	905 251,262,919 437,886	964 226,260,715 466,280	862 233,489,793 376,423	551 213,051,882 266,308	400 202,356,251 187,272	0 184,642,454 0	0 192,182,673 0	0 201,482,600 0	0 193,891,303	4,762 2,600,145,219 2,242,981
BASIN Billing Calculation Demand Charge Energy Charge PCA Demand Credit PCA Energy Credit	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	16.74 0.02751 0.00000 0.00000	
Demand Billing Demand Adj Fixed Charge 1 Fixed Charge 2	5,582,338.02 0.00 4,400.00	6,215,277.42 0.00 4,400.00	6,395,215.68 0.00 4,400.00	6,383,865.96 0.00 4,400.00	6,410,817.36 0.00 4,400.00	6,293,654.10 0.00 4,400.00	5,629,578.30 0.00 4,400.00	5,228,471.16 0.00 4,400.00	4,926,916.80 0.00 4,400.00	4,884,464.16 0.00 4,400.00	5,115,660.30 0.00 4,400.00	5,035,107.42 0.00 4,400.00	68,101,366.68 0.00 52,800.00
Energy Billing PCA Energy Wheeling Charges Heat Rate kW Avoided Cost	6,017,280.24 0.00	6,397,049.35 0.00 (4,000.86)	6,884,612.96 0.00 (14,078.34)	6,912,242.90 0.00 (15,149.70)	6,224,432.27 0.00 (16,137.36)	6,423,304.21 0.00 (14,429.88)	5,861,057.27 0.00 (9,223.74)	5,566,820.47 0.00 (6,696.00)	5,079,513.91 0.00	5,286,945.33 0.00	5,542,786.33 0.00	5,333,949.75 0.00	71,529,994.99 0.00 0.00 (79,715.88)
Heat Rate kWh Avoided Cost Energy Billing Heat Rate Renewable Energy Credit NRECA Dues/Other Adjustments	0.00 0.00 0.00	(3,173.20) 3,806.45 (138,748.96)	(14,076.34) (10,824.22) 12,984.35	(12,046.24) 14,450.24 0.00	(12,827.36) (12,827.36) 15,853.52 0.00	(10,355.40) 12,798.38 0.00	(7,326.13) 9,054.47 0.00	(5,151.85) 6,367.25 0.00	0.00 0.00 0.00 0.00 (264,682.62)	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00	(61,704.41) 75,314.66 (138,748.96) (264,682.62)
Data Incentive Credit Total	(7,518.34) 11,596,499.92	(7,938.49) 12,466,671.72	(16,903.14) 13,255,407.28	(18,208.38) 13,269,554.77	(18,269.99) 12,608,268.44	(16,424.61) 12,692,946.81	(8,476.99) 11,479,063.18	(7,738.52) 10,786,472.51	(7,370.41)	(6,723.90) 10,169,085.59	(7,014.58) 10,655,832.05	0.00 10,373,457.17	(122,587.35) 139,092,037.11

### ACTUAL PURCHASED POWER FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 2015

	October	November	December	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	July	<u>August</u>	September	<u>Total</u>
Basin - Large Compression NCP kW CP kW kWh	3,281 2,237 1,920,789	3,686 3,309 1,917,122	3,365 2,908 2,272,546	2,997 2,902 2,116,951	2,999 2,939 1,927,485	3,144 2,943 2,170,200	4,069 2,930 2,058,665	2,941 2,852 2,111,240	2,949 2,075 1,792,068	4,153 2,122 1,545,097	4,020 2,105 1,504,506	4,272 2,014 1,436,245	41,876 31,336 22,772,914
Billed NCP Billed CP Billed Energy Adjustment Total Billing	0.00 37,447.38 81,652.74 119,100.12	0.00 55,392.66 81,496.86 136,889.52	0.00 48,679.92 96,605.93 145,285.85	0.00 48,579.48 89,991.59 138,571.07	0.00 49,198.86 81,937.39 131,136.25	0.00 49,265.82 92,255.20 141,521.02	0.00 49,048.20 87,513.85 136,562.05	0.00 47,742.48 89,748.81 137,491.29	0.00 34,735.50 76,180.81 110,916.31	0.00 35,522.28 65,682.07 101,204.35	0.00 35,237.70 63,956.55 99,194.25	0.00 33,714.36 61,054.77 94,769.13	0.00 524,564.64 968,076.57 1,492,641.21
Western Division Metered kW Metered kWh	8,545 6,162,674	11,806 7,020,941	12,565 7,588,588	12,148 7,619,922	10,945 6,449,088	10,553 6,539,778	8,706 5,989,930	9,176 6,115,683	9,178 5,676,989	10,351 6,688,923	10,504 6,570,578	9,312 5,940,696	123,789 78,363,790
Demand Billing Energy Billing Energy Adjustment Total	143,043.30 187,530.17 0.00 330,573.47	197,632.44 213,647.23 0.00 411,279.67	210,338.10 230,920.73 0.00 441,258.83	203,357.52 231,874.23 0.00 435,231.75	183,219.30 196,245.75 0.00 379,465.05	176,657.22 199,005.44 0.00 375,662.66	145,738.44 182,273.57 0.00 328,012.01	153,600.96 186,100.23 0.00 339,701.20	153,645.53 172,750.78 0.00 326,396.30	173,275.74 203,543.93 0.00 376,819.67	175,836.96 199,942.69 0.00 375,779.65	155,882.88 180,775.38 0.00 336,658.26	2,072,228.39 2,384,610.13 0.00 4,456,838.52
Subtotal Basin/Western Div	12,046,173.51	13,014,840.91	13,841,951.97	13,843,357.59	13,118,869.73	13,210,130.49	11,943,637.24	11,263,664.99	10,176,090.29	10,647,109.61	11,130,805.95	10,804,884.56	145,041,516.84
Total System Total Billing kW Billing kW Excl LPC CBM Total kWh kWh Excl LPC CBM	354,781 352,544 233,821,389 231,900,600	397,439 394,130 248,480,755 246,563,633	409,036 406,128 268,691,328 266,418,782	407,573 404,671 268,463,161 266,346,210		399,657 396,714 248,626,560 246,456,360	357,150 354,220 227,022,332 224,963,667	330,953 216,788,953 214,677,713	316,797 314,722 199,250,188 197,458,120	317,596 315,474 200,416,693 198,871,596	328,878 326,773 209,557,684 208,053,178	320,107 318,093 201,268,244 199,831,999	4,349,496 4,307,620 2,762,912,344 2,740,139,430
Total Billing Total Billing Excl LPC CBM	12,253,845.27 12,134,745.15	13,226,581.09 13,089,691.57	14,124,799.83 13,979,513.98	14,061,087.18 13,922,516.11	13,300,631.60 13,169,495.35	- / / -	12,127,685.65 11,991,123.60	,, -	10,390,465.98 10,279,549.67	10,905,320.21 10,804,115.86	11,345,453.24 11,246,258.99	- , , -	147,571,512.35 146,078,871.14

# ACTUAL POWER COST FOR LARGE POWER TRANSMISSION - (COAL MINES) FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 2015

	October	November	December	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>Total</u>
Billing Units @ Basin Level													
Total Basin Billing kW	333,473	371,283	382,032	381,354	382,964	375,965	336,295	312,334	294,320	291,784	305,595	300,783	4,068,182
LPT Billing kW	173,503	185,707	175,027	186,798	199,009	189,488	162,464	157,838	152,650	153,636	163,151	160,727	2,059,998
LPT kW as % of Total	52.03%	50.02%	45.81%	48.98%	51.97%	50.40%	48.31%	50.54%	51.87%	52.65%	53.39%	53.44%	50.64%
kWh Purchased	104,529,800	108,517,405	116,906,568	116,412,155	106,682,214	109,308,046	99,510,753	91,409,178	83,312,027	90,968,512	99,343,378	95,433,972	1,222,334,009
Effective Basin Rate													
Demand Charge	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	
Energy Charge	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	
Fixed Charges per CP kW	0.013194	0.011851	0.011517	0.011538	0.011489	0.011703	0.013084	0.014087	0.014950	0.015080	0.014398	0.014628	
Substation Lease per CP kW	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	
Wheeling Charge per CP kW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
Adjustments/Other Credits	-0.000034	-0.000034	-0.000068	-0.000072	-0.000081	-0.000070	-0.000040	-0.000038	-0.001473	-0.000035	-0.000035	0.000000	
D 15:11:	0.004.440	0.400.744	0.000.044	0.400.000	0.004.405	0.470.005	0.740.054	0.040.045	0.555.055	0.574.000	0.704.440	0.000.504	04.404.050
Demand Billing	2,904,440	3,108,741	2,929,944	3,126,992	3,331,405	3,172,035	2,719,654	2,642,215	2,555,355	2,571,869	2,731,146	2,690,564	34,484,359
Energy Billing Fixed Charges Billing	2,875,615 2,289	2,985,314 2,201	3,216,100 2,016	3,202,498 2,155	2,934,828 2,286	3,007,064 2,218	2,737,541 2,126	2,514,666 2,224	2,291,914 2,282	2,502,544 2,317	2,732,936 2,349	2,625,389 2,351	33,626,409 26,814
Substation Lease	(5,917)	(6,334)	(5,969)	(6,371)	(6,787)	(6,463)	(5,541)	(5,383)	(5,206)	(5,240)	(5,564)	(5,482)	(70,258)
Wheeling Charges	(3,917)	(0,334)	(5,969)	(0,371)	(0,767)	(0,403)	(5,541)	(5,565)	(5,200)	(5,240)	(5,504)	(5,462)	(70,230)
Adjustments/Other Credits	(3,593)	(3,705)	(7,896)	(8,436)	(8,614)	(7,689)	(3,959)	(3,496)	(122,752)	(3,183)	(3,459)	0	(176,782)
, lajastinonto, otner orealis	(3,333)	(3,703)	(1,030)	(0,430)	(0,014)	(7,003)	(5,555)	(5,450)	(122,132)	(5,105)	(5,455)	0	(170,702)
Total LPT Power Cost	5,772,834	6,086,217	6,134,194	6,316,838	6,253,117	6,167,165	5,449,820	5,150,226	4,721,592	5,068,307	5,457,409	5,312,822	67,890,541

## ACTUAL POWER COST FOR LARGE POWER TRANSMISSION - COAL BED METHANE & GENERAL FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 2015

	October	November	December	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>Total</u>
Billing Units @ Basin Level													
Total Basin Billing kW	333,473	371,283	382,032	381,354	382,964	375,965	336,295	312,334	294,320	291,784	305,595	300,783	4,068,182
LPT-CBM Billing kW	12,157.08	11,084.99	11,009.46	11,394.92	12,012.18	11,775.63	12,881.22	12,330.96	10,977.66	11,295.43	12,182.74	11,204.06	140,306
LPT-CBM kW as % of Total	3.65%	2.99%	2.88%	2.99%	3.14%	3.13%	3.83%	3.95%	3.73%	3.87%	3.99%	3.72%	3.45%
kWh Purchased	8,063,069	8,034,203	8,333,737	8,295,764	7,802,237	9,090,446	8,329,534	8,259,784	8,033,618	8,714,061	8,222,335	8,030,169	99,208,956
	90.85%	99.29%	103.69%	99.73%	88.98%	105.75%	88.58%	91.76%	100.25%	105.68%	92.45%	98.18%	96.86%
Effective Basin Rate													
Demand Charge	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	16.74	
Energy Charge	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	0.027510	
Fixed Charges per CP kW	0.013194	0.011851	0.011517	0.011538	0.011489	0.011703	0.013084	0.014087	0.014950	0.015080	0.014398	0.014628	
Substation Lease per CP kW	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	-0.034106	
Wheeling Charge per CP kW	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
Adjustments/Other Credits	-0.000034	-0.000034	-0.000068	-0.000072	-0.000081	-0.000070	-0.000040	-0.000038	-0.001473	-0.000035	-0.000035	0.000000	
Demand Billing	203,509	185,563	184,298	190,751	201,084	197,124	215,632	206,420	183,766	189,086	203,939	187,556	2,348,728
Energy Billing	221,815	221,021	229,261	228,216	214,640	250,078	229,145	227,227	221,005	239,724	226,196	220,910	2,729,238
Fixed Charges Billing	160	131	127	131	138	138	169	174	164	170	175	164	1,842
Substation Lease	(415)	(378)	(375)	(389)	(410)	(402)	(439)	(421)	(374)	(385)	(416)	(382)	(4,785)
Wheeling Charges	0	0	0	0	0	0	0	0	0	0	0	0	0
Adjustments/Other Credits	(277)	(274)	(563)	(601)	(630)	(639)	(331)	(316)	(11,837)	(305)	(286)	0	(16,060)
											0	0	0
Total LPT-CBM & Gen Power C	424,793	406,063	412,748	418,109	414,822	446,299	444,175	433,084	392,724	428,290	429,609	408,248	5,058,963

# SUMMARY OF MONTHLY KWH AND COPA REVENUE FOR THE PERIOD OCTOBER 2014 THROUGH SEPTEMBER 2015

	Actual kWh Sold	Power Cost Component Of COPA Rev	Prior Year True-Up Component Of COPA Rev	Total COPA Revenue
Remainder Classes	KWIII OOIU	OI OOI A ROV	OI OOI A ROV	<u>itovoriuo</u>
October 14	114,335,406	(24,904)	(213,252)	(238,156)
November 14	114,079,249	(24,848)	(219,439)	(244,287)
December 14	121,601,530	(26,495)	(234,385)	(260,880)
January 15	135,328,675	(83,536)	(53,385)	(136,921)
February 15	111,525,692	(75,758)	(48,420)	(124,178)
March 15	120,225,460	(78,697)	(50,298)	(128,995)
April 15	111,183,592	(75,795)	(48,443)	(124,238)
May 15	108,886,670	(68,391)	(43,711)	(112,102)
June 15	99,360,674	(65,655)	(41,963)	(107,618)
July 15	103,636,182	(67,431)	(43,098)	(110,528)
August 15	98,589,964	(64,542)	(41,252)	(105,794)
September 15	102,131,473	(66,790)	(42,688)	(109,479)
Total	1,340,884,567	(722,842)	(1,080,334)	(1,803,176)
LPT Class				
October 14	103,650,619	63,192	85,607	148,798
November 14	107,527,115	65,555	92,800	158,355
December 14	115,855,541	70,632	99,687	170,320
January 15	115,449,703	183,012	74,088	257,100
February 15	105,784,170	167,690	67,891	235,581
March 15	108,394,285	171,828	69,566	241,394
April 15	98,695,076	156,452	63,342	219,794
May 15	90,630,436	143,668	58,166	201,834
June 15	82,638,874	131,000	53,037	184,037
July 15	90,933,250	144,148	58,360	202,508
August 15	97,839,349	155,096	62,792	217,888
September 15	94,606,105	149,970	60,717	210,688
Total	1,212,004,523	1,602,243	846,054	2,448,297

# SUMMARY OF MONTHLY KWH AND COPA REVENUE FOR THE PERIOD OCTOBER 2014 THROUGH SEPTEMBER 2015

	Actual <u>kWh Sold</u>	Power Cost Component Of COPA Rev	Prior Year True-Up Component Of COPA Rev	Total COPA Revenue
LPT CBM Class & Other				
October 14	7,942,123	2,153	(458)	1,695
November 14	7,913,690	2,145	(439)	1,706
December 14	8,208,731	2,225	(454)	1,771
January 15	8,171,328	2,181	(2,451)	(270)
February 15	7,685,203	2,052	(2,305)	(254)
March 15	8,954,089	2,390	(2,686)	(295)
April 15	8,204,591	2,190	(2,461)	(271)
May 15	8,135,887	2,172	(2,441)	(268)
June 15	7,913,114	2,113	(2,374)	(261)
July 15	8,583,350	2,291	(2,575)	(283)
August 15	8,099,000	2,163	(2,430)	(267)
September 15	7,909,716	2,112	(2,373)	(261)
Total	97,720,822	26,188	(23,446)	2,742
LPC - CBM October 14 November 14 December 14 January 15 February 15 March 15 April 15 May 15 June 15 July 15 August 15 September 15 Total	1,642,398 1,920,789 1,917,122 2,272,546 2,116,951 1,927,485 2,170,200 2,058,665 2,111,240 1,792,068 1,545,097 1,504,506 22,979,067	0	0	0
Total System				
October 14	227,570,546	40,441	(128,103)	(87,662)
November 14	231,440,843	42,853	(127,078)	(84,226)
December 14	247,582,924	46,363	(135,152)	(88,789)
January 15	261,222,252	101,657	18,252	119,909
February 15	227,112,016	93,983	17,166	111,149
March 15	239,501,319	95,521	16,582	112,103
April 15	220,253,459	82,848	12,437	95,285
May 15	209,711,658	77,450	12,014	89,464
June 15	192,023,902	67,457	8,701	76,158
July 15	204,944,850	79,009	12,688	91,697
August 15	206,073,410	92,716	19,111	111,827
September 15	206,151,800	85,292	15,656	100,948
Total	2,673,588,979	905,589	(257,726)	647,863

#### **STATEMENT OF OPERATIONS**

		Α		В		С
		Adjusted 2012		Actual		2016 Budget
		Docket #		2014		Adjusted for
	10	0014-145-CR-13				2016 COPA
Operating Revenues						
Base Revenue	\$	193,259,194	\$	183,608,186	\$	173,472,128
COPA - Current Year Power Cost Recovery	•	-	•	12,663,582	•	11,298,866
COPA - Prior Year True-up		-		(1,552,403)		9,598
Deferred Revenue		-		(4,200,000)		-
Other Revenue		1,904,908		2,167,690	<u> </u>	2,020,317
Total Operating Revenue	\$	195,164,102	\$	192,687,055	\$	186,800,909
Operating Expenses						
Purchased Power		150,146,772		151,505,092		151,892,651
Transmission Expense		1,245,944		1,382,603		1,801,443
Distribution Expense - Operation		10,014,221		8,727,711		7,971,759
Distribution Expense - Maintenance		3,741,736		5,125,683		4,502,946
Customer Accounts Expense		2,859,351		2,897,793		3,052,823
Customer Service & Sales		84,796		88,762		116,689
Administrative and General Expense		6,221,278		6,356,733		7,160,696
Depreciation and Amortization Expense		13,572,289		8,408,681		10,886,934
Regulatory Debit - COPA Current True-Up				1,552,403		9,598
Regulatory Credit - COPA Prior Year True-Up				100 007		-
Tax Expense - Property & Gross Receipts		495,609		460,207		502,780
Tax Expense - Other	_	400 004 000	Φ.	65,181		63,951
Total Operating Expense	\$	188,381,996	\$	186,570,848		187,962,270
Return	\$	6,782,106	\$	6,116,207	\$	(1,161,361)
Interest & Other Deductions						
Interest on Long-Term Debt		5,909,403		5,771,414		6,581,270
Interest Expense - Other		108,778		61,904		29,436
Other Deductions		113,890		246,889		215,088
Total Interest & Other Deductions	\$	6,132,071	\$	6,080,207	\$	6,825,794
Operating Margins	\$	650,035	\$	36,000	\$	(7,987,155)
Non-Operating Margin						
Interest Income		2,140,098		1,242,105		1,938,585
Other Margins		28,040		25,430		(1,600)
G&T Capital Credits		6,316,539		6,415,004		6,350,000
Other Capital Credits		88,028		323,624		155,500
Total Non-Operating Margins	\$	8,572,705	\$	8,006,162	\$	8,442,485
Net Margins	\$	9,222,740	\$	8,042,163	\$	455,330
TIER		2.56		2.39		1.07
DSC		2.57		1.36		0.71
OPERATING TIER		1.11		1.01		(0.21)
RUS OPERATING DEC		1.15		1.20		(0.21)
RUS OPERATING DSC		2.57		1.45		0.71
RETURN ON RATE BASE		3.28%		3.01%		-0.56%
RATE BASE CALCULATED *		206,687,725		203,149,969		207,561,123

<sup>\*</sup> The Rate Base calculation in column A varies slightly from the calculation in the actual rate filing due to an adjustment for property tax In the rate filing, property tax was removed from the functional accounts and reported on Line 13 - Tax Expense Property & Gross Receipts In the Rate Base calculation above, the property tax was moved back to the functional accounts to which it was actually charged This adjustment allows for better comparison with 2013 and the 2015 budget year

NAME: Powder River Energy Corporation WY PSC Tariff No. 7

ADDRESS: P.O. Box 930, Sundance, WY 82729

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

	TARIFF RATE RIDER							
Class	Billing Unit	2014 Base Rate	2016 COPA	2016 Adj. Rate Tariff				
Residential (A)	Basic Charge 200 Amps and Under Over 200 Amps \$/kWh - All kWh	\$22.50 \$27.50 \$0.07108	\$0.003338	\$22.50 \$27.50 \$0.074418				
Residential Seasonal (A)	<u>Basic Charge</u> 200 Amps and Under Over 200 Amps \$/kWh - All kWh	\$270.00 \$330.00 \$0.07108	\$0.003338	\$270.00 \$330.00 0.074418				
Residential Time of Day (TOD)	Basic Charge 200 Amps and Under Over 200 Amps \$/kWhSeptember-May All kWh - On Peak All kWh - Off Peak	\$22.50 \$27.50 \$0.07438 \$0.05000	\$0.003338 \$0.003338	\$22.50 \$27.50 0.077718 0.053338				
	<u>June-August</u> \$/kWh - All kWh	\$0.05000	\$0.003338	0.074418				
Residential Heat Rate (RHR)	Basic Charge 200 Amps and Under Over 200 Amps \$/kWh - All kWh October - April Heat Credit per kWh of Electric Resistant Heat	\$25.00 \$30.00 \$0.07108 \$0.02879	\$0.003338	\$25.00 \$30.00 \$0.074418 \$0.02879				

Date Issued: November 23, 2015 Date Effective: January 10, 2016

By: Muhael & Earley Title: Chief Executive Officer

NAME: Powder River Energy Corporation WY PSC Tariff No. 7

ADDRESS: P.O. Box 930, Sundance, WY 82729

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

	TARIFF RATE RIDER					
		- continued -				
Class	Billing Unit	2014	2016	2016 Adj.		
		Base Rate	COPA	Rate Tariff		
General	Basic Charge					
Service	Single-Phase	\$30.00		\$30.00		
(GS)	Three-Phase	\$35.00		\$35.00		
	\$/kWh - All kWh	\$0.07108	\$0.003338	\$0.074418		
Large	Basic Charge	\$132.50		\$132.50		
Power (LP)	<u>\$/kWh</u> First 200 kWh/mon/kW	\$0.06170	\$0.003338	\$0.065038		
(LP)	Excess kWh/mon	\$0.06170 \$0.04170	\$0.003338	\$0.065036 \$0.045038		
	\$/kW	ψ0.0-170	ψυ.υυυυυυ	ψ0.0-10000		
	First 50 kW	\$2.75		\$2.75		
	Excess kW	\$5.45		\$5.45		
Irrigation	\$/kWh - All kWh	\$0.06680	\$0.003338	\$0.070138		
(1)	Annual Charge / H.P.	\$18.50		\$18.50		
Outdoor	\$/Month					
Lighting	175W - MV	\$8.20	\$0.27	\$8.47		
(OL)	100W - HPS	\$8.20	\$0.17	\$8.37		
	<b>A</b> (1.4)					
Street Lighting	<u>\$/Month</u> 175W - MV	\$8.20	\$0.27	\$8.47		
(SL)	400W - MV	\$6.20 \$14.65	\$0.27 \$0.57	\$15.22		
(02)	150W - HPS	\$8.20	\$0.26	\$8.46		
	400W - HPS	\$14.65	\$0.63	\$15.28		
Large Power	Distribution Component	<b>#</b> 000 00		Фоос ос		
Transmission Coal Mine	Basic Charge Demand Charge	\$600.00 \$0.80/NCP kW		\$600.00 \$0.80/NCP kW		
		φυ.ου/INCP KVV		φυ.ου/INCP KVV		
(LPT-CM)	Power Supply Component Demand Charge	\$13.33/NCP kW		\$13.33/NCP kW		
	Energy Charge	\$0.027410	\$0.005675	\$0.033085		
	2.10.9, 0114.90	ψο.σΞ7 110	\$5.55557.5	\$3.00000		

Date Issued: November 23, 2015 Date Effective: January 10, 2016

By: Muhael & Earley Title: Chief Executive Officer

NAME: Powder River Energy Corporation WY PSC Tariff No. 7

ADDRESS: P.O. Box 930, Sundance, WY 82729

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

	TARIFF RATE RIDER					
		-continued-				
Class	Billing Unit	2014 Base Rate	2016 COPA	2016 Adj. Rate Tariff		
Large Power Transmission General (LPT-G)	Distribution Component Basic Charge Demand Charge Power Supply Component Demand Charge Energy Charge	\$600.00 \$0.70/NCP kW \$16.99/CP kW \$0.027720	\$0.003961	\$600.00 \$0.70/NCP kW \$16.99/CP kW \$0.031681		
General Service CBM (GS-CBM)	<u>Basic Charge</u> Single-Phase Three-Phase \$/kWh - All kWh	\$35.00 \$40.00 \$0.08400	\$0.003338	\$35.00 \$40.00 \$0.087338		
Large Power CBM (LP-CBM)	Basic Charge Secondary Delivery Primary Delivery\$/kWh_ First 200 kWh/mon/kW Excess kWh/mon\$/kW_ First 50 kW Excess kW	\$142.50 \$177.50 \$0.05969 \$0.03969 \$3.20 \$7.20	\$0.003338 \$0.003338	\$142.50 \$177.50 \$0.063028 \$0.043028 \$3.20 \$7.20		
Large Power Transmission CBM (LPT-CBM)	Distribution Component Basic Charge Demand Charge Power Supply Component Demand Charge Energy Charge	\$1,000.00 \$1.50/NCP kW \$16.99/CP kW \$0.027720	\$0.003961	\$1,000.00 \$1.50/NCP kW \$16.99/CP kW \$0.031681		

Date Issued: November 23, 2015 Date Effective: January 10, 2016

By: Muhaef & Earley Title: Chief Executive Officer

NAME: Powder River Energy Corporation WY PSC Tariff No. 7

ADDRESS: P.O. Box 930, Sundance, WY 82729

4th Revised Sheet No. 1C Cancels 3rd Revised Sheet No. 1C

		TARIFF RATE RIDI -continued-	ER	
Class	Billing Unit	2014 Base Rate	2016 COPA	2016 Adj. Rate Tariff
Large Power Compression CBM (LPC-CBM)	Distribution Component Basic Charge Demand Charge - Trans Demand Charge - Primary Power Supply Component Demand Charge Energy Charge	\$600.00 \$1.05/NCP kW \$3.66/NCP kW Special Contract Special Contract		\$600.00 \$1.05/NCP kW \$3.66/NCP kW Special Contract Special Contract
Idle Line Retention (IS)	Basic Charge-Monthly Residential/Seasonal Irrigation General Service General Service CBM Large Power Large Power CBM	\$15.00 \$15.00 \$18.00 \$35.00 \$79.00 \$100.00		\$15.00 \$15.00 \$18.00 \$35.00 \$79.00 \$100.00
Green Tag (GT)	One block equivalent to the environmental attributes of 100 kWh of renewable energy	\$0.20		\$0.20
Small Power Production (SPP)	\$/kWh on all kWh generated per month	\$0.0130		\$0.0130

The Idle Service Schedule (IS) is a monthly charge with no energy usage.

Rate Schedules are subject to monthly minimums as stated on the individual rate schedule sheet.

Date Issued: November 23, 2015 Date Effective: January 10, 2016

By: Muhael & Earley Title: Chief Executive Officer