



October 4, 2017

Mr. Will Rosquist
Administrator, Regulatory Division
Montana Public Service Commission
1701 Prospect Ave.
P. O. Box 202601
Helena MT 59620-2601

RE: Docket No. D2017.5.39 – Power Costs and Credits Adjustment Mechanism Proposal
MCC Set 1 (001-016)

Dear Mr. Rosquist:

Enclosed for filing is NorthWestern Energy's responses to MCC Set 1 Data Requests (001-016) in Docket No. D2017.5.39.

These data responses have been hand delivered to the Montana Public Service Commission and the Montana Consumer Counsel and emailed to counsel of record. They have also been mailed to the remainder of the service list and e-filed on the PSC website.

If you have any questions, please call Joe Schwartzberger at (406) 497-3362.

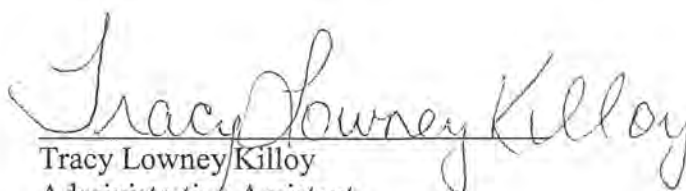
Sincerely,

Tracy Lowney Killoy
Administrative Assistant
Regulatory Affairs

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of NorthWestern Energy's responses to MCC Set I (001-016) in Docket No. D2017.5.39 has been hand delivered to the Montana Public Service Commission and the Montana Consumer Counsel this date. It has also been e-filed with the Montana Public Service Commission, emailed to counsel of record, and served upon the remainder of the service list by postage prepaid via first class mail as follows:

Date: October 4, 2017



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NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-001 Regarding: Comparison to MDU's Mechanism
 Witness: Crystal Lail and Joe Schwartzenberger

On page 6 of your testimony you state, "MDU bases its mechanism on rates; the PCCAM is based on costs. The MDU mechanism provides for monthly adjustments based on an average of the prior four months actual data. NorthWestern's proposed PCCAM provides for annual adjustments based on 12 months of actual data."

- a. Please clarify what you mean by a mechanism based on rates as compared to a mechanism based on costs, and describe in detail any other differences between MDU's mechanism and NorthWestern's proposed PCCAM.
- b. Please identify any variables (e.g., loads, costs, volumes, market prices, etc.) that MDU forecasts in order to set rates through its mechanism.

RESPONSE:

- a. Page 6 of the Prefiled Direct Testimony of Crystal D. Lail refers to the difference between the mechanisms' approach to the calculation of costs as compared with the base and the method of collecting or sharing the difference. MDU's mechanism incorporates differences between base and actual loads using a cost-per-kWh calculation, while total recovery under NorthWestern's proposed mechanism is independent of differences between base and actual loads and is therefore based on costs. Both mechanisms determine the deferred or unreflected account balance amortization rates by dividing the account balance(s) by the applicable estimated loads for the 12 months following the adjustment.

As NorthWestern understands MDU's mechanism, MDU's total recovery related to fuel and purchased power costs equals the sum of 1) the revenues produced by actual loads at base fuel and purchase power costs rates and 2) the revenues produced by actual loads applied to 90% of the difference between unit costs (which are computed using actual costs and loads) and base rates and a credit for 90% of wholesale sales margin computed on a per-unit basis. This calculation results in MDU's mechanism reflecting the changes in power costs per kWh of electricity sales.

Alternatively, NorthWestern's proposed mechanism does not incorporate a unit cost in the calculation. Total recovery under NorthWestern's proposed mechanism equals the sum of 1) Category One base power costs and credits and 90% of the difference between actual costs and credits, and base costs and credits; 2) Category Two base costs plus

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-001 cont'd

100% of the difference between actual costs and base costs; and 3) Category Three base costs plus 100% of the difference between actual costs and base costs. Note that under NorthWestern's mechanism, wholesale sales revenues are included in Category One, Power Credits and related costs are included in the Category One, Power Costs.

Certain differences between the mechanisms are described in the Prefiled Direct Testimony of Crystal D. Lail, on page 6, lines 5 through 23, and page 7, lines 1 and 2. Additional differences, as NorthWestern understands them, noted below and in prefiled direct testimony include: 1) development of rates for customer classes and 2) the use of actual, rather than estimated, amounts in the deferred account.

Customer Classes:

Under MDU's mechanism, separate base rates are established for two customer classes, secondary voltage and primary voltage. MDU computes the monthly Fuel and Power Cost Tracking Adjustment for each class, maintains separate Unreflected Fuel Cost Account balances for each class, and computes class specific rates to amortize these class account balances.

Refer to the Prefiled Direct Testimony of Joe Schwartzberger, page 8, lines 5-7, and Exhibit__(JS-1), page 2. NorthWestern proposes developing base rates for ten customer classes by computing an average rate using base costs and base loads and adjusting the average rate to reflect system losses by customer class to compute class specific base rates.

Refer to the Prefiled Direct Testimony of Joe Schwartzberger, page 12, lines 11-15, and Exhibit__(JS-1), page 6. NorthWestern also proposes maintaining one overall deferred account balance, computing an average deferred account amortization rate based on the overall balance, and adjusting the average rate to reflect system losses by class to compute class specific deferred account amortization rates.

Deferred Account:

Under the MDU mechanism, the annual Unreflected Fuel Cost account balance is estimated through June 30 for rates effective July 1. This requires that account activities for May and June be estimated.

Refer to the Prefiled Direct Testimony of Joe Schwartzberger, page 4, line 20, through page 5, line 9. Under NorthWestern's proposal, the annual deferred account rate

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-001 cont'd

adjustment is based on the account balance at March 31 for rates effective July 1. Thus, the account balance reflects 12 months of actual data.

- b. MDU's primary and secondary voltage base rates were initially established in a general rate case filed under the Commission's minimum filing requirements. Therefore, NorthWestern assumes MDU's base costs represent a normalized test year which suggests historical information adjusted for known and measureable changes up to 12 months beyond the end of the test year. In order to compute the Unreflected Fuel Cost Adjustment each year, the account balance is divided by estimated kWh sales for the 12 months following the effective date of the adjustment.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-002 Regarding: Load Supplied by Third Parties
 Witness: Kevin Markovich

On page 8 of your [Crystal Lail] testimony you state that approximately 40% of NorthWestern's retail load requirements are still supplied by contracted resources and market purchases.

- a. Please provide workpapers showing how this figure was calculated.
- b. Please list and describe the contracted resources and types of market purchases (by term, pricing structure, and whether on-system or off-system) that comprise this 40% figure.

RESPONSE:

- a. This figure was calculated by adding volumes (MWh) from Judith Gap (474,611), Other Non-QF (77,462), On-System Market Purchases (730,215), Basin Creek (78,866), QF Tier II (807,337), and QF-1 Tariff Contracts (391,603) and dividing that figure by the Total Normalized Base Volumes (6,560,419). It should be noted that NorthWestern has determined that volumes related to Yellowstone National Park were incorrectly reflected in the Normalized Base Volume. This will be corrected in NorthWestern's rebuttal filing.
- b. See Attachment showing Judith Gap, Other Non-QF, Basin Creek, QF Tier II, and QF Tier I.

The market purchases are on-system, term (greater than 30 days) and spot transactions included on page 2, rows 15 and 43 of Exhibit__ (KJM-1).

The term market transactions are 100 MW of on-system, on-peak power from July 2017 through March 2018 that is based on index pricing. This supply was procured in May 2017 through a competitive solicitation.

The spot transactions are anticipated day-ahead and hourly supply that will need to be procured in order to match supply with load. In developing the PCCAM, each month's forecasted load was compared to the expected output from all resources (including the term market transactions described above) and the difference was calculated. The difference between forecasted load and forecasted supply is the spot market transactions that we expect to make in order to balance load and supply. The forecasted spot transactions are not currently under contract, and it is assumed they will be made in the day-ahead and hourly markets at prices reflective of those forecasted in the May 22, 2017 Tradition Energy forward price curve.

Facility	Nameplate Capacity (MW)	Type	Fuel	Begin Date	Expiration	Pricing Structure
Contracted Resources:						
Judith Gap	135	Judith Gap	Wind	2006	2026	Fixed
Other Non-QF						
Tiber Dam	7.5	Other Non-QF	Hydro	2004	2025	Fixed
Turnbull Dam	13	Other Non-QF	Hydro	2011	2031	Fixed
Basin Creek	52	Basin Creek	Nat Gas	2006	2036	Fixed Toll
QF Tier II:						
Yellowstone Energy Limited Partnership (BGI)	52	Tier II	Thermal	28-Sep-1995	31-Dec-2028	Fixed
Colstrip Energy Limited Partnership	35	Tier II	Thermal	31-Dec-1990	30-Jun-2024	Fixed
State of MT DNRC (Broadwater Dam)	10	Tier II	Hydro	14-Jun-1989	30-Jun-2024	Fixed
Hydrodynamics Inc (South Dry Creek)	1	Tier II	Hydro	13-Aug-1985	30-Jun-2021	Fixed
Ross Creek Hydro LC	0.450	Tier II	Hydro	1-Oct-1996	30-Jun-2032	Fixed
Allen R. Carter (Pine Creek)	0.300	Tier II	Hydro	23-Feb-1989	30-Jun-2024	Fixed
Hydrodynamics Inc (Strawberry Creek)	0.190	Tier II	Hydro	8-Sep-1987	30-Jun-2023	Fixed
James Walker Sievers (Cascade Creek)	0.068	Tier II	Hydro	1-Jul-1984	1-Oct-2019	Fixed
James Walker Sievers (Barney Creek)	0.060	Tier II	Hydro	18-Jun-1985	14-Nov-2019	Fixed
QF Tier I:						
WKN Montana II, LLC	80	QF-1	Wind	Est 16-Jun-2018	Est 7/1/2043	Fixed
Greenfield Wind LLC	25	QF-1	Wind	31-Oct-2016	1-Feb-2041	Fixed
Greycliff Wind Prime LLC	25	QF-1	Wind	Est 9-Sep-2017	Est 7/1/2043	Fixed
Fairfield Wind LLC (Greenbacker)	10	QF-1	Wind	16-May-2014	31-Dec-2033	Fixed
Musselshell Wind Project LLC	10	QF-1	Wind	5-Jan-2013	24-Mar-2036	Fixed
Musselshell Wind Project Two LLC	10	QF-1	Wind	5-Jan-2013	24-Mar-2036	Fixed
Two Dot Wind Farm LLC	9.720	QF-1	Wind	19-Jun-2014	31-Dec-2036	Fixed
Gordon Butte Wind LLC	9.600	QF-1	Wind	4-Jan-2012	21-Mar-2036	Fixed
Flint Creek Hydroelectric LLC	2	QF-1	Hydro	14-Mar-2013	16-Jan-2037	Fixed
Lower South Fork LLC	0.455	QF-1	Hydro	14-Aug-2012	16-Jan-2037	Fixed
Cycle Horseshoe Bend Wind LLC	9	QF-1	Wind	1-Feb-2006	31-Aug-2025	Fixed
Green Meadow Solar LLC	3	QF-1	Solar	31-Mar-2017	1-Apr-2042	Fixed
South Mills Solar 1 LLC	3	QF-1	Solar	31-Mar-2017	1-Apr-2042	Fixed
River Bend Solar LLC	2	QF-1	Solar	28-Mar-2017	1-Apr-2042	Fixed
Black Eagle Solar LLC	3	QF-1	Solar	Est 6/30/2017	1-Jul-2042	Fixed
Great Divide Solar LLC	3	QF-1	Solar	Est 6/30/2017	1-Jul-2042	Fixed
Magpie Solar LLC	3	QF-1	Solar	Est 6/30/2017	1-Jul-2042	Fixed
Two Dot Wind LLC (Martinsdale Colony South)	2	QF-1	Wind	1-Feb-2007	23-Apr-2028	Index
Two Dot Wind LLC (Broadview East Wind)	1.600	QF-1	Wind	Est 7/1/2018	1-Jul-2043	Fixed
Two Dot Wind LLC (Martinsdale Colony)	0.750	QF-1	Wind	1-Feb-2004	23-Apr-2028	Index
Wisconsin Creek LTD LC	0.550	QF-1	Hydro	28-Dec-1989	1-Jul-2019	Fixed
Boulder Hydro Limited Partnership	0.510	QF-1	Hydro	30-Jun-2003	30-Jun-2022	Index
Two Dot Wind LLC (Sheep Valley Ranch)	0.455	QF-1	Wind	1-Mar-2004	23-Apr-2028	Index
Two Dot Wind LLC (Moe Wind)	0.450	QF-1	Wind	1-Dec-2006	23-Apr-2028	Index
Gerald Ohs (Pony Generating Station)	0.400	QF-1	Hydro	28-Dec-1989	10-Dec-2020	Fixed
Donald Fred Jenni (Hanover Hydro)	0.240	QF-1	Hydro	1-Aug-1988	30-Jun-2034	Fixed

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

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Set 1 (001-016)

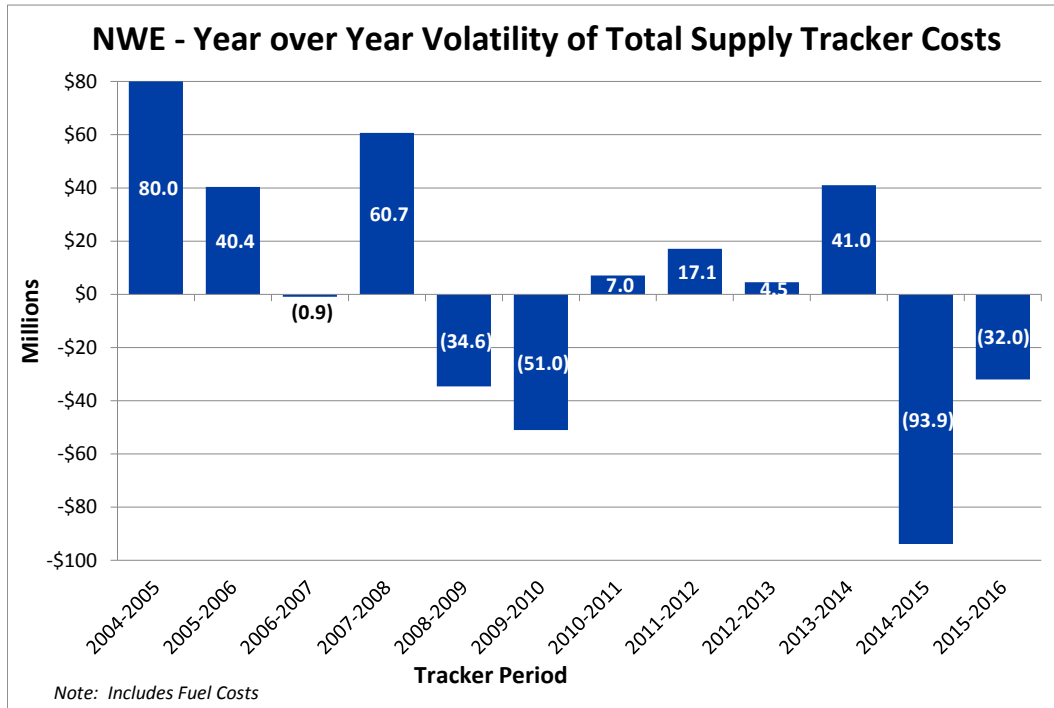
Data Requests received September 20, 2017

MCC-003 Regarding: Volatility of Supply Tracker Costs
 Witness: Crystal Lail

- a. Please provide a revised version of the graph on page 8 of your testimony that includes fuel costs.
- b. Please provide excel spreadsheets in machine readable form showing the data and formulas used to create the graph that is presented at page 8 of your testimony.
- c. Please provide excel spreadsheets in machine readable form showing the data and formulas used to create the revised graph that is requested in part a. of MCC-003 above.

RESPONSE:

- a. See below:



- b. See the “MCC-003” folder on the attached CD.
- c. See the response to part b, above.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

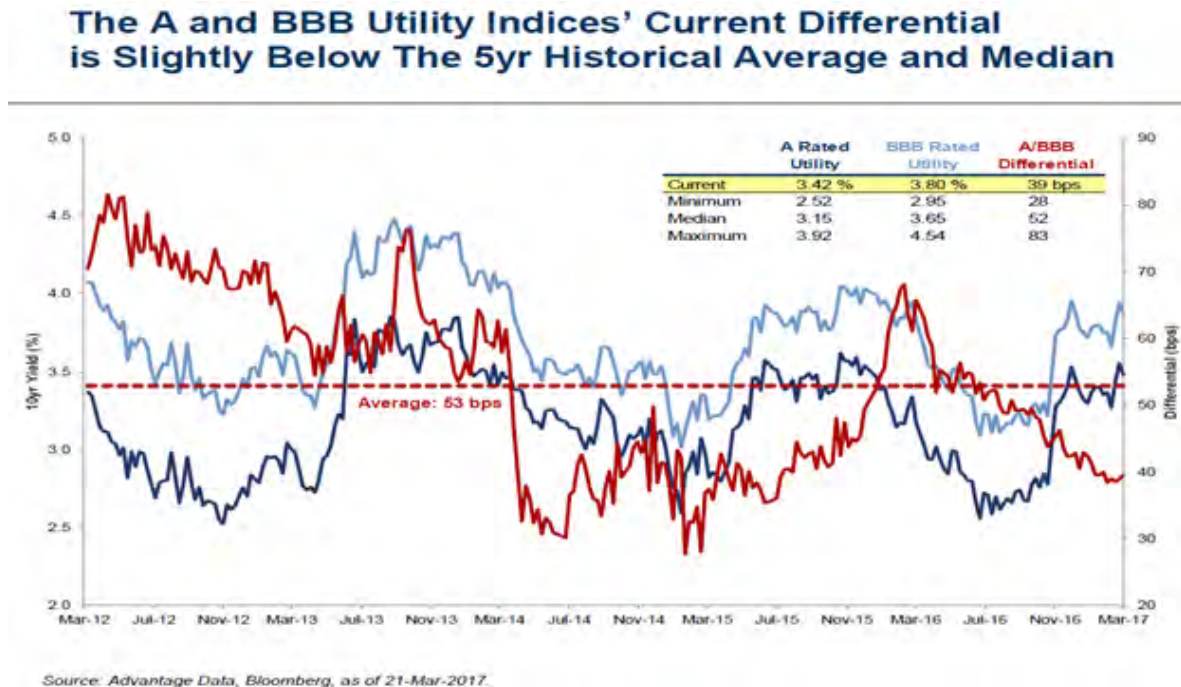
MCC-004 Regarding: NorthWestern’s Bond Rating
 Witness: Crystal Lail

At page 12 of your testimony you state “In particular, if any rating agency reduced our unsecured rating to BBB-, our debt cost would likely increase by approximately 0.50% (average difference in credit spreads between A-rated and BBB-rated utility bonds for the last five years).

- a. Please identify and provide the data used to produce that “approximately 0.50%” figure.
- b. Please provide all workpapers, including excel spreadsheets in machine readable form, that were used in producing that “approximately 0.50%” figure.

RESPONSE:

- a. Please see the graph below which was provided by an investment bank and is based on information from Bloomberg. Based on the graph, over the last five years, the median difference in credit spreads between A-rate utility bonds and BBB-rated utility bonds is 0.52% and the average difference is 0.53%.



- b. NorthWestern did not produce this graph and does not have access to Bloomberg.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-005

Regarding: Revolving Credit Facility
 Witness: Crystal Lail

At page 13 of your testimony you state “The fees and borrowing costs under our revolving credit facility would also increase by 0.05% and 0.25%, respectively, for each level downgrade.”

- a. Please identify and provide the data used to produce those “0.05% and 0.25%” figures.
- b. Please provide all workpapers, including excel spreadsheets in machine readable form that were used in producing those “0.05% and 0.25%” figures.

RESPONSE:

- a. The fees and borrowing costs are based on a pricing grid that was agreed to by NorthWestern and its lenders under the \$400,000,000 Third Amended and Restated Credit Agreement among NorthWestern and several lenders dated December 12, 2016. This document is provided in the “MCC-005a” folder on the CD attached to Data Request MCC-003. The pricing grid can be found in Annex A of the credit agreement and is also pictured below.

ANNEX A

PRICING GRID

LEVEL	Debt Rating	Commitment Fee	Applicable Margin for Eurodollar Rate Loans	Applicable Margin for Base Rate Loans	Letter of Credit Fee
I	> or equal to A / A2/A	10.0 bps	87.5 bps	0 bps	87.5 bps
II	A- / A3/A-	12.5 bps	112.5 bps	12.5 bps	112.5 bps
III	BBB+ / Baa1 / BBB+	17.5 bps	125.0 bps	25.0 bps	125.0 bps
IV	BBB / Baa2/BBB	22.5 bps	150.0 bps	50.0 bps	150.0 bps
V	< or equal to BBB- / Baa3/BBB-	27.5 bps	175.0 bps	75.0 bps	175.0 bps

- b. Please see the response to part a, above.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-006 Regarding: Exhibit__(KJM-1)
 Witness: Kevin Markovich

Please provide all workpapers and excel spreadsheets in machine readable form with all links intact that were used to produce Exhibit__(KJM-1).

RESPONSE:

See the "MCC-006" folder on the CD attached to Data Request MCC-003 as well as the response to Data Request PSC-001.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-007 Regarding: Integration Costs
 Witness: Kevin Markovich

Please explain how NorthWestern's proposed PCCAM would treat wind and solar integration costs, and whether NorthWestern is proposing to treat integration costs attributable to QF resources differently than integration costs attributable to non-QF resources.

RESPONSE:

Similar to how integration costs have been treated in previous tracker dockets, NorthWestern's proposed PCCAM does not allocate integration costs based on fuel sources or contract types.

Integration costs, which include regulation costs and contingency reserves - spinning and non-spinning, are incurred for the entire portfolio of resources and contracts and not for individual resources or contracts, consistent with how NorthWestern treats tracked administrative costs and point-to-point transmission expenses. In providing energy supply service NorthWestern views its supply portfolio as a single resource and not as a set of individual assets.

It should be noted that integration costs are included Category One costs and credits that are subject to the 90/10 sharing mechanism.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

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Set 1 (001-016)

Data Requests received September 20, 2017

MCC-009 Regarding: Administrative Costs
 Witness: Kevin Markovich

- a. Please quantify the amount of monthly administrative costs attributable to utility-owned resources that have been tracked since NorthWestern acquired the hydroelectric facilities.
- b. Please quantify the monthly costs of scheduling, tagging, forecasting, administering and balancing utility-owned resources since NorthWestern acquired the hydroelectric facilities.
- c. Please describe “each individual contract” referenced on page 19 of your testimony, including its date, term, signatories, and purpose.

RESPONSE:

- a. NorthWestern does not allocate tracked administrative costs to individual resources.

For all tracked administrative costs see the response to Data Request MCC-011, parts a and b. Page 1, lines 43-44 of Updated Exhibit__(FVB-1)15-16 (MCC-011b Attachment 1) and page 1, lines 41-42 of Updated Exhibit__(KJM-1)16-17 (MCC-011a Attachment 1) contain all tracked administrative costs including monthly costs of scheduling, tagging, forecasting, administering, and balancing for the 2015/2016 and 2016/17 tracking periods. See also lines 41 and 42 on the Attachment for the period November 2014 through June 2015.

These tracked administrative costs are those expenses directly attributable to providing electric supply service to customers, and they do not include administrative costs associated with owned assets.

- b. See the responses to part a above and part c below.
- c. See Attachment.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection Excluding Generation Assets Cost of Service														
3															
4															
5		Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Total	
6		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
7	Total Sales and Unit Costs														
8	MWh	482,388	546,211	496,510	442,674	449,232	540,528	601,160	515,060	488,212	447,321	447,845	458,232	5,915,372	
9	Supply Cost	\$ 35,4916	\$ 36,2978	\$ 36,0640	\$ 35,8384	\$ 35,4916	\$ 21,7438	\$ 21,9824	\$ 22,9258	\$ 22,6010	\$ 22,1837	\$ 22,2140	\$ 21,8070	\$ 35,4916	
10	YNP MWh	3,580	2,595	2,455	2,704	1,670	616	589	547	565	543	2,044	3,679	21,587	
11	YNP Supply Rate	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	\$ 64,3000	
12	Prior Year(s) Deferred Expense	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	\$ 5,7268	
13	Electric Cost Revenues														
14	NWE Electric Supply	\$ 17,248,208	\$ 19,834,334	\$ 17,966,021	\$ 15,921,856	\$ 12,306,260	\$ 10,818,570	\$ 20,065,666	\$ 11,567,418	\$ 11,137,298	\$ 10,053,805	\$ 9,944,422	\$ 10,098,513	\$ 166,962,372	
15	YNP Electric Supply	\$ 230,128	\$ 166,765	\$ 157,729	\$ 173,711	\$ 107,249	\$ 39,223	\$ 37,379	\$ 34,800	\$ 35,998	\$ 34,631	\$ 55,888	\$ 248,874	\$ 1,322,375	
16	Subtotal	\$ 17,478,336	\$ 20,001,099	\$ 18,123,750	\$ 16,095,567	\$ 12,413,509	\$ 10,857,793	\$ 20,103,045	\$ 11,602,218	\$ 11,173,296	\$ 10,088,435	\$ 10,000,310	\$ 10,347,387	\$ 168,284,747	
17	Prior Year(s) Deferred Expense	\$ 954,516	\$ 3,061,930	\$ 2,842,559	\$ 2,533,239	\$ 2,569,980	\$ 3,094,594	\$ 3,443,663	\$ 2,948,768	\$ 2,795,414	\$ 2,560,224	\$ 2,563,614	\$ 2,623,858	\$ 31,992,359	
18	Total Revenue	\$ 18,432,851	\$ 23,063,030	\$ 20,966,309	\$ 18,628,806	\$ 14,983,489	\$ 13,952,387	\$ 23,546,709	\$ 14,550,986	\$ 13,968,710	\$ 12,648,660	\$ 12,563,924	\$ 12,971,245	\$ 200,277,106	
19	Electric Supply Expenses														
20	Net Base Purchases	\$ 11,021,924	\$ 11,797,828	\$ 11,296,713	\$ 11,952,543	\$ 12,614,968	\$ 12,638,767	\$ 10,153,068	\$ 8,616,611	\$ 9,341,426	\$ 8,076,438	\$ 8,034,578	\$ 8,129,647	\$ 123,674,510	
21	Net Base Sales	\$ (465,630)	\$ (492,156)	\$ (452,572)	\$ (410,876)	\$ (379,791)	\$ (372,136)	\$ (295,520)	\$ (231,172)	\$ (248,201)	\$ (259,368)	\$ (326,312)	\$ (442,448)	\$ (4,376,182)	
22	Net Term Purchases	\$ 10,984,664	\$ 8,933,724	\$ 4,286,573	\$ 4,009,708	\$ 2,621,632	\$ 2,931,592	\$ 2,390,810	\$ 2,173,800	\$ 2,388,569	\$ 2,337,020	\$ 2,362,990	\$ 2,337,020	\$ 47,758,102	
23	Net Term Sales	\$ (5,737,836)	\$ (5,876,004)	\$ (4,273,119)	\$ (3,760,200)	\$ (3,585,883)	\$ (5,674,347)	\$ (1,685,864)	\$ (1,137,740)	\$ (1,336,101)	\$ (1,427,918)	\$ (1,954,830)	\$ (2,450,416)	\$ (38,900,258)	
24	Net Spot Purchases	\$ 2,959,505	\$ 2,970,598	\$ 3,105,386	\$ 1,793,469	\$ 2,251,968	\$ 1,195,939	\$ 553,676	\$ 414,686	\$ 549,878	\$ 892,656	\$ 1,642,235	\$ 2,591,339	\$ 20,921,335	
25	Net Spot Sales	\$ (318,175)	\$ (220,726)	\$ (74,326)	\$ (104,679)	\$ (104,759)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (822,665)	
26	Other Tracker Costs	\$ 1,700,794	\$ 1,818,174	\$ 1,020,733	\$ 1,697,927	\$ 3,355,934	\$ 2,350,055	\$ 1,323,067	\$ 1,745,114	\$ 1,433,648	\$ 1,189,124	\$ 2,506,697	\$ 2,388,947	\$ 22,530,214	
27	Total Electric Supply Expenses	\$ 20,145,246	\$ 18,931,437	\$ 14,909,388	\$ 15,177,893	\$ 16,774,069	\$ 13,069,869	\$ 12,439,237	\$ 11,581,299	\$ 12,129,219	\$ 10,807,952	\$ 12,265,358	\$ 12,554,088	\$ 170,785,055	
28	NWE Transmission Costs														
29	Other Services (Wheeling)	\$ 65,581	\$ 51,850	\$ 60,363	\$ 39,115	\$ 152,886	\$ 294,818	\$ 374,820	\$ 252,407	\$ 414,631	\$ 202,569	\$ 264,990	\$ 266,244	\$ 2,440,274	
30	Ancillary Cost (Disallowed)	\$ (1,013)	\$ (2,228)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (17,415)	
31	Total NWE Transmission	\$ 64,569	\$ 49,623	\$ 58,946	\$ 37,697	\$ 151,469	\$ 293,401	\$ 373,403	\$ 250,990	\$ 413,213	\$ 201,152	\$ 263,572	\$ 264,826	\$ 2,422,859	
32	Administrative Expenses														
33	MPSC Tax Collection (.0042/.002)	\$ 75,998	\$ 95,638	\$ 86,952	\$ 36,715	\$ 29,534	\$ 27,437	\$ 46,517	\$ 28,980	\$ 27,094	\$ 24,869	\$ 24,709	\$ 25,233	\$ 529,678	
34	MCC Tax Collection (.0011/.001)	\$ 19,904	\$ 25,048	\$ 22,773	\$ 18,358	\$ 14,767	\$ 13,719	\$ 23,258	\$ 14,490	\$ 13,547	\$ 12,435	\$ 12,355	\$ 12,617	\$ 203,270	
35	Modeling	\$ 10,438	\$ 18,208	\$ 149,338	\$ 15,543	\$ 27,860	\$ 125,976	\$ -	\$ -	\$ 22,376	\$ 15,943	\$ 14,313	\$ 1,250	\$ 401,245	
36	Trading & Marketing	\$ 9,802	\$ 8,396	\$ 7,304	\$ 7,304	\$ 6,794	\$ 10,094	\$ 7,973	\$ 8,378	\$ 7,654	\$ 8,648	\$ 8,159	\$ 7,358	\$ 97,864	
37	Administration	\$ 6,322	\$ 2,802	\$ 18,928	\$ 56,530	\$ (1,331)	\$ 8,955	\$ 19,201	\$ 4,922	\$ 190,031	\$ 3,057	\$ 29,397	\$ 3,175	\$ 341,990	
38	Total Administrative Expenses	\$ 122,464	\$ 150,093	\$ 285,295	\$ 134,449	\$ 77,625	\$ 186,181	\$ 96,949	\$ 56,770	\$ 260,702	\$ 64,952	\$ 88,934	\$ 49,633	\$ 1,574,046	
39	Carrying Cost Expense														
40	Carrying Costs	\$ 259,750	\$ 235,368	\$ 198,999	\$ 178,550	\$ 193,146	\$ 191,753	\$ 122,398	\$ 105,536	\$ 98,498	\$ 88,697	\$ 89,644	\$ 89,557	\$ 1,851,894	
41	Total Carrying Costs	\$ 259,750	\$ 235,368	\$ 198,999	\$ 178,550	\$ 193,146	\$ 191,753	\$ 122,398	\$ 105,536	\$ 98,498	\$ 88,697	\$ 89,644	\$ 89,557	\$ 1,851,894	
42	Total Expenses														
43	Total Expenses	\$ 20,592,028	\$ 19,366,521	\$ 15,452,628	\$ 15,528,589	\$ 17,196,309	\$ 13,741,204	\$ 13,031,987	\$ 11,994,594	\$ 12,901,631	\$ 11,162,752	\$ 12,707,508	\$ 12,958,104	\$ 176,633,855	
44	Deferred Cost Amortization														
45	Deferred Cost Amortization (under collection)/over collection	\$ 954,516	\$ 3,061,930	\$ 2,842,559	\$ 2,533,239	\$ 2,569,980	\$ 3,094,594	\$ 3,443,663	\$ 2,948,768	\$ 2,795,414	\$ 2,560,224	\$ 2,563,614	\$ 2,623,858	\$ 31,992,359	
46	Monthly Deferred Cost	\$ (3,113,693)	\$ 634,579	\$ 2,671,122	\$ 566,978	\$ (4,782,799)	\$ (2,883,412)	\$ 7,071,059	\$ (392,376)	\$ (1,728,335)	\$ (1,074,317)	\$ (2,707,198)	\$ (2,610,717)	\$ (8,349,108)	
47	Cumulative Deferred Cost	\$ (3,113,693)	\$ (2,479,114)	\$ 192,008	\$ 758,986	\$ (4,023,813)	\$ (6,907,225)	\$ 163,834	\$ (228,542)	\$ (1,956,877)	\$ (3,031,194)	\$ (5,738,391)	\$ (8,349,108)		

D2017.5.39
MCC 009 C

<u>Vendor</u>	<u>Description</u>	<u>Date</u>	<u>Term</u>	<u>Signatory</u>	<u>Yearly Cost</u>
Intercontinental Exchange	Electronic Trading Platform/Price Discovery	2002	Yearly	Thompson	\$ 67,000
Telvent DTN	Weather Forecasting Service	2008	Yearly	Markovich	\$ 29,000
Tradition Energy	Pricing Information for Trackers	2002	Yearly	Thompson	\$ 7,000
Tullet Prebon	Broker	2002	Yearly	Thompson	\$ 8,000
OATI	Scheduling and Trading Software system	2007	2019	Gates	\$ 38,000
Saphere	Analysis and Consulting	2006	Yearly	Bushnell	\$ 76,000
Credit Risk Management	Counterparty credit	2010	Yearly	Ng	\$ 8,000
KEMA	CREP	2007	Yearly	Williams	\$ 5,000
ZE Price Forecast	Mark-to-market, forward curves	2010	Yearly	Markovich	\$ 36,000
Moody's KMV	Counterparty Default Probability	2005	Yearly	Evans	\$ 78,000
Energy Environmental Economics	Analysis and Consulting	2014	Yearly	Bushnell	\$ 10,000
Navigant Consulting	Analysis and Consulting	2010	Yearly	Bushnell	\$ 20,000
					<u>\$ 382,000</u>

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-010 Regarding: Normalization
 Witness: Kevin Markovich/Joe Janhunen

Please provide workpapers showing the normalization of loads, volumes, costs and credits in NorthWestern's PCCAM proposal.

RESPONSE:

Kevin Markovich response: See the responses to Data Requests MCC-006 and PSC-001 for the workpapers showing the normalization of loads, volumes, costs and credits that support the Energy Supply portion of NorthWestern's PCCAM proposal.

Joe Janhunen response: See the "MCC-010" folder on the CD attached to Data Request MCC-003 for the workpapers showing the normalization of loads that support rate design.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-011 Regarding: Comparing Previous Tracking Periods
 Witness: Kevin Markovich

On page 13 of your testimony you state that the loads in this filing are based on normalized forecasted loads for the 2016-2017 tracking period, and that loads previously used for the 2016-2017 tracker period in Docket No. D2015.7.52 are compatible with these base volumes and costs. Certain costs are also based on actual costs from prior tracking periods.

- a. Please provide revised Exhibits (KJM-1)16-17, (KJM-4)16-17, (KJM-6)16-17, (KJM-8)16-17, (KJM-10)16-17, and (DLW-1) from Docket D2016.7.52 showing 12 months of actual data.
- b. Please provide revised Exhibits (FVB-1)15-16, (FVB-4)15-16, (FVB-6)15-16, (FVB-8)15-16, (FVB-10)15-16, (FVB-12)15-16, and (DLW-1) from Docket D2015.7.52 showing 12 months of actual data.
- c. Please provide a version of Exhibit (FVB-12)15-16 from Docket D2015.7.52 showing 12 months of actual data for the 2016-2017 tracking period.
- d. If any loads, volumes or costs used to calculate proposed rates in this Docket are different from the loads, volumes and costs shown in Exhibits (FVB-2)16-17, (FVB-5)16-17, (FVB-7)16-17, (FVB-9)16-17, (FVB-11)16-17, and (FVB-13)16-17 in Docket D2015.7.52, please provide revised versions of those exhibits showing any differences.

RESPONSE:

- a. See Attachments 1 through 6, which are updated Exhibits (KJM-1)16-17, (KJM-4)16-17, (KJM-6)16-17, (KJM-8)16-17, (KJM-10)16-17, and (DLW-1), respectively, from Docket No. D2016.7.52.
- b. See Attachments 1 through 7, which are updated Exhibits (FVB-1)15-16, (FVB-4)15-16, (FVB-6)15-16, (FVB-8)15-16, (FVB-10)15-16, (FVB-12)15-16, and (DLW-1), respectively, from Docket No. D2015.7.52. Please note that the Modeling expenses on Line 41 of Attachment 1 (Exhibit__(FVB-1)15-16) do not reflect a deduction of \$347,031.47 for the Utility Share of modeling costs, as explained in the Prefiled Direct Testimony of John B. Bushnell in Docket No. D2016.7.52 and reflected in the Modeling section of Exhibit__(JBB-1)15-16 in that docket. NorthWestern will reflect that Utility Share adjustment in its books and records if appropriate once the Commission issues a Final Order in Consolidated Docket Nos. D2015.7.52 and D2016.7.52.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-011 cont'd

- c. Hydro revenue credits are no longer tracked separately and have become part of the overall supply tracker.

- d. All of the loads, volumes, and costs used to calculate rates in this docket are different from those in the forecasted and actual tracker exhibits for the 2016/2017 tracking period. As stated in my testimony on pages KJM-4 through KJM-5, the base volumes and costs have been developed in the context of a long-term normalized view, as opposed to a shorter, 12-month forecast. The proposed PCCAM is for the 2017/2018 tracking period and beyond, and, as such, each of the inputs was forecasted based on information, costs, and conditions expected during that period of time. See also the responses to Data Requests MCC-006 and PSC-001.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection Excluding Generation Assets Cost of Service														
3															
4			Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
5			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
6	Total Sales and Unit Costs														
7	MWh		506,019	541,572	488,465	441,153	433,976	512,902	630,059	581,057	507,684	451,436	428,985	452,624	5,975,931
8	Supply Cost	\$	21,1077	20,8264	20,6718	20,7739	20,6720	20,9524	21,0974	20,6482	20,4443	20,1651	19,7313	18,9698	20,6720
9	YNP MWh		2,801	2,570	2,598	2,805	2,062	752	622	651	721	637	838	4,743	21,799
10	YNP Supply Rate	\$	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000	68.3000
11	Prior Year(s) Deferred Expense	\$	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841	1.1841
12															
13															
14	Electric Cost Revenues														
15	NWE Electric Supply	\$	10,919,574	11,348,603	10,123,706	9,118,592	8,995,402	10,654,117	13,230,765	12,236,570	10,464,301	8,737,898	8,594,691	8,817,967	123,242,186
16	YNP Electric Supply	\$	191,016	175,270	177,155	191,270	140,515	51,014	42,073	44,012	48,664	43,102	56,485	321,252	1,481,827
17	Subtotal	\$	11,110,589	11,523,873	10,300,861	9,309,862	9,135,918	10,705,131	13,272,838	12,280,583	10,512,965	8,781,000	8,651,175	9,139,219	124,724,013
18	Prior Year(s) Deferred Expense	\$	630,797	641,167	577,625	521,363	512,757	606,488	745,909	698,352	619,139	534,703	508,007	535,660	7,131,966
19	Total Revenue	\$	11,741,386	12,165,040	10,878,485	9,831,224	9,648,675	11,311,619	14,018,747	12,978,935	11,132,104	9,315,703	9,159,182	9,674,879	131,855,979
20															
21	Electric Supply Expenses														
22	Net Base Purchases	\$	8,742,137	8,436,933	7,492,622	8,602,281	9,332,398	10,377,004	9,887,254	8,247,490	8,944,004	8,304,646	8,207,841	9,295,844	105,870,454
23	Net Base Sales	\$	(311,520)	(380,940)	(280,128)	(238,992)	(190,592)	(350,900)	(335,892)	(220,988)	(142,224)	(127,816)	(175,500)	(163,756)	(2,919,248)
24	Net Term Purchases	\$	4,088,386	4,524,283	2,519,165	1,827,658	1,766,523	2,986,918	2,477,489	1,736,580	1,205,353	1,143,194	1,184,664	1,164,714	26,624,924
25	Net Term Sales	\$	(2,126,812)	(2,450,268)	(1,973,702)	(1,661,992)	(1,307,628)	(2,673,904)	(2,181,464)	(1,137,796)	(681,181)	(620,635)	(799,432)	(667,720)	(18,282,534)
26	Net Spot Purchases	\$	1,757,276	1,544,818	1,230,796	1,199,103	921,634	3,626,637	3,728,480	2,115,487	1,192,421	477,720	849,210	821,581	19,465,163
27	Net Spot Sales	\$	(1,183,739)	(1,500,559)	(773,337)	(693,508)	(440,208)	(1,173,454)	(1,027,559)	(281,663)	(310,739)	(792,936)	(555,048)	(291,960)	(9,024,708)
28	Other Tracker Costs	\$	1,632,400	1,636,552	231,750	1,003,384	1,760,712	1,767,134	1,747,817	307,501	1,047,297	867,465	2,002,834	948,386	14,373,232
29	Total Electric Supply Expenses	\$	12,018,128	11,810,819	8,447,165	10,037,934	11,842,838	14,559,434	14,296,125	10,766,611	11,254,931	9,251,637	10,714,570	11,107,089	136,107,283
30															
31	NWE Transmission Costs														
32															
33	Other Services (Wheeling)	\$	92,552	135,043	82,398	62,568	24,155	66,850	56,581	14,949	60,837	160,040	169,888	114,057	1,039,917
34	Ancillary Cost (Disallowed)	\$	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(1,418)	(17,010)
35	Total NWE Transmission	\$	91,135	133,625	80,980	61,150	22,737	65,432	55,163	13,531	59,419	158,623	168,470	112,640	1,022,907
36															
37	Administrative Expenses														
38	MPSC Tax Collection (.0023/.0039)	\$	26,224	27,505	24,431	37,304	36,721	43,279	53,620	49,647	42,537	35,593	35,017	33,984	445,860
39	MCC Tax Collection (.0006/.001)	\$	6,841	7,175	6,373	9,565	9,416	11,097	13,749	12,730	10,907	9,126	8,979	8,714	114,672
40	Modeling	\$	-	-	55,599	-	33,090	25,990	-	-	-	31,356	-	12,897	158,932
41	Trading & Marketing	\$	8,274	8,286	8,256	6,684	8,053	11,660	10,988	3,919	18,459	8,140	6,797	5,370	104,886
42	Administration	\$	3,138	75,542	12,328	8,698	14,819	87,013	(74,328)	13,814	85,208	3,232	42,877	40,128	312,469
43	Total Administrative Expenses	\$	44,477	118,508	106,987	62,251	102,099	179,040	4,029	80,110	157,110	87,447	93,669	101,093	1,136,820
44															
45	Carrying Cost Expense														
46	Carrying Costs	\$	66,685	66,450	51,996	54,533	70,292	93,947	96,806	83,381	78,155	79,883	92,481	104,024	938,633
47	Carry Adjustments	\$	-	-	-	-	-	-	-	(1,209,751)	-	-	-	-	(1,209,751)
48	Total Carrying Costs	\$	66,685	66,450	51,996	54,533	70,292	93,947	96,806	83,381	(1,131,596)	79,883	92,481	104,024	(271,118)
49															
50															
51	Total Expenses	\$	12,220,425	12,129,403	8,687,129	10,215,868	12,037,967	14,897,853	14,452,123	10,943,633	10,339,864	9,577,590	11,069,191	11,424,846	137,995,891
52															
53	Deferred Cost Amortization (under collection)/over collection	\$	630,797	641,167	577,625	521,363	512,757	606,488	745,909	698,352	619,139	534,703	508,007	535,660	7,131,966
54															
55	Monthly Deferred Cost	\$	(1,109,836)	(605,530)	1,613,732	(906,006)	(2,902,049)	(4,192,722)	(1,179,285)	1,336,950	173,101	(796,590)	(2,418,015)	(2,285,627)	(13,271,878)
56	Cumulative Deferred Cost	\$	(1,109,836)	(1,715,366)	(101,634)	(1,007,640)	(3,909,688)	(8,102,411)	(9,281,696)	(7,944,746)	(7,771,646)	(8,568,236)	(10,986,251)	(13,271,878)	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N											
1	Electric Supply Cost Tracker																								
2	Electric Tracker Projection Excluding Generation Assets Cost of Service																								
3																									
4																									
5			Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17											
6			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual											
7																									
8			Note: for supply cost expense positive value reflects an under collection, negative an (over collection).																						
9	<u>Deferred Supply Cost Expense</u>																								
10	Beginning Balance	\$	9,630,853	\$	10,109,892	\$	10,074,255	\$	7,882,898	\$	8,267,542	\$	10,656,834	\$	14,243,068	\$	14,676,444	\$	12,641,142	\$	11,848,902	\$	12,110,789	\$	14,020,798
11	Monthly Deferred Cost	\$	479,039	\$	(35,637)	\$	(2,191,357)	\$	384,643	\$	2,389,292	\$	3,586,234	\$	433,376	\$	(2,035,302)	\$	(792,240)	\$	261,887	\$	1,910,009	\$	1,749,967
12	Ending Balance	\$	10,109,892	\$	10,074,255	\$	7,882,898	\$	8,267,542	\$	10,656,834	\$	14,243,068	\$	14,676,444	\$	12,641,142	\$	11,848,902	\$	12,110,789	\$	14,020,798	\$	15,770,765
13																									
14																									
15	Total Capital	\$	10,109,892	\$	10,074,255	\$	7,882,898	\$	8,267,542	\$	10,656,834	\$	14,243,068	\$	14,676,444	\$	12,641,142	\$	11,848,902	\$	12,110,789	\$	14,020,798	\$	15,770,765
16																									
17																									
18																									
19	Cost of Capital		<u>Rate</u>		<u>% Capitalization</u>		<u>Rate of Return</u>																		
20	Long-Term Debt		5.76%		52.00%		3.00%																		
21	Common Equity		10.25%		48.00%		4.92%																		
22																									
23	Average Cost of Capital						7.92%																		
24																									
25	<u>Deferred Supply Expense</u>																								
26	Carrying Charge		7.92%																						
27																									

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1		Electric Supply Cost Tracker													
2		Electric Tracker Projection													
3															
4		Volumes in MWh	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
5			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
6		Off System Transactions													
7		Fixed Price													
8		Base Fixed Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Competitive Solicitations	38,600	40,200	38,000	39,400	38,025	39,400	38,600	36,000	40,175	38,000	39,400	38,800	464,600
10		Base Fixed Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
11		Competitive Solicitations	-	-	-	-	-	-	-	-	-	-	-	-	-
12		Term Fixed Price Purchases	47,200	48,000	46,000	47,600	46,050	47,600	28,600	26,400	29,375	28,000	29,000	28,400	452,225
13		Term Fixed Price Sales	(20,000)	-	-	-	-	(10,400)	(10,000)	-	-	-	-	-	(40,400)
14		Index Price													
15		Base Index Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
16		Base Index Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
17		Competitive Solicitations	(10,000)	(10,800)	(10,000)	(10,400)	(10,000)	(10,400)	(10,000)	(9,600)	(10,800)	(10,000)	(10,400)	(10,400)	(122,800)
18		Term Index Price Purchases	-	-	-	-	-	10,400	10,000	-	-	-	-	-	20,400
19		Term Index Price Sales	(55,800)	(77,400)	(74,000)	(76,600)	(74,075)	(76,600)	(57,200)	(52,800)	(58,750)	(56,000)	(58,000)	(56,800)	(774,025)
20		Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
21		Spot Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
22															
23		On System Transactions													
24		Fixed Price													
25		Rate-Based Assets													
26		Colstrip Unit 4	130,568	138,924	132,161	124,260	1,929	113,634	143,566	99,426	99,426	73,123	42,423	31,056	1,130,496
27		Dave Gates Generating Station	5,208	5,208	5,040	5,208	5,040	5,208	5,208	4,704	5,208	5,040	5,208	5,040	61,320
28		Spion Kop	7,553	7,624	10,386	8,835	12,701	16,065	12,801	9,946	14,616	11,820	7,894	11,338	131,579
29		Hydro Assets	202,204	169,358	158,412	176,891	200,049	205,489	183,894	171,637	215,348	258,416	284,233	277,002	2,502,933
30															
31		Base Fixed Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
32		Judith Gap	26,489	24,956	34,947	36,349	38,714	59,346	51,408	36,395	41,113	31,649	28,892	35,689	445,946
33		Other Non-QF	13,467	4,961	(1,143)	2,878	3,871	3,881	3,834	3,446	4,149	4,567	2,192	9,240	55,343
34		Competitive Solicitations	20,000	21,600	20,000	20,800	20,000	20,800	20,000	19,200	21,600	20,000	20,800	20,800	245,600
35		QF Tier II	72,650	71,150	50,579	75,380	74,422	74,007	71,295	56,811	70,734	69,333	68,282	66,896	821,539
36		QF Tier II Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-
37		QF-1 Tariff Contracts	12,694	12,127	12,677	15,128	26,144	25,059	25,173	21,355	19,377	21,666	19,135	24,596	235,131
38		Term Fixed Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
39		Term Fixed Price Sales	-	-	-	-	-	-	-	-	-	(18,174)	(14,118)	-	(32,292)
40		Index Price													
41		Base Index Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
42		Competitive Solicitations	10,000	10,800	10,000	10,400	10,000	10,400	10,000	9,600	10,800	10,000	10,400	10,400	122,800
43		Term Index Price Purchases	76,765	79,368	29,809	1,950	1,875	26,910	31,867	30,546	2,025	1,875	1,950	1,950	286,890
44		Term Index Price Sales	(1,875)	(2,025)	(1,875)	(1,950)	(1,875)	(1,950)	(1,875)	(1,800)	(2,025)	(1,875)	(1,950)	(1,950)	(23,025)
45		Spot Purchases	60,744	50,792	48,217	62,281	54,830	111,134	116,963	107,652	95,051	68,889	74,717	75,172	926,442
46		Spot Sales	(56,504)	(56,883)	(35,822)	(37,714)	(30,857)	(42,883)	(35,320)	(14,760)	(23,563)	(67,658)	(52,921)	(38,072)	(492,957)
47															
48		Imbalance, Current Month Estimate	1,892	(10,665)	17,355	15,174	18,217	(19,611)	(13,944)	20,215	15,097	22,280	12,161	14,366	92,537
49		Imbalance, Prior Months True-up	413	16,704	7,856	11,663	(11,592)	(5,059)	(15,324)	10,225	14,919	(2,043)	2,188	(6,559)	23,390
50		Imbalance, Accounting & BA Expense	-	-	-	-	-	-	-	-	-	-	-	-	-
51															
52		Ancillary and Other													
53		Basin Creek Fixed Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
54		Basin Creek Variable Costs	9,738	24,426	10,875	3,732	682	5,709	8,742	5,458	3,842	4,132	4,144	2,250	83,731
55		Operating Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-
56		Wind Other Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
57		DSM Program & Labor Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
58															
59															
60															
61		Total Delivered Supply	592,007	568,423	509,475	531,266	424,150	608,139	618,287	590,054	607,718	513,040	515,630	518,856	6,617,402
62															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection														
3															
63	Electric Tracker Projection Excluding Generation Assets Cost of Service														
64	Total Supply Expense														
65															
66	Energy Supply Expense	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total	
67		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
68	Off System Transactions														
69	Fixed Price														
70	Base Fixed Price Purchases														
71	Competitive Solicitations	\$ 2,269,640	\$ 2,358,360	\$ 2,232,200	\$ 2,314,000	\$ 2,233,760	\$ 2,314,000	\$ 2,269,640	\$ 2,112,960	\$ 2,356,800	\$ 2,232,200	\$ 2,314,000	\$ 2,276,560	\$ 27,284,120	
72	Base Fixed Price Sales														
73	Competitive Solicitations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
74	Term Fixed Price Purchases	\$ 1,796,240	\$ 1,845,600	\$ 1,758,200	\$ 1,820,920	\$ 1,759,785	\$ 1,820,920	\$ 1,156,450	\$ 1,075,080	\$ 1,198,659	\$ 1,136,500	\$ 1,177,970	\$ 1,158,020	\$ 17,704,344	
75	Term Fixed Price Sales	\$ (640,000)	\$ -	\$ -	\$ -	\$ -	\$ (314,600)	\$ (395,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,349,600)	
76	Index Price														
77	Base Index Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
78	Base Index Price Sales														
79	Competitive Solicitations	\$ (311,520)	\$ (380,940)	\$ (280,128)	\$ (238,992)	\$ (190,592)	\$ (350,900)	\$ (335,892)	\$ (220,988)	\$ (142,224)	\$ (127,816)	\$ (175,500)	\$ (163,756)	\$ (2,919,248)	
80	Term Index Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 351,420	\$ 336,892	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 688,312	
81	Term Index Price Sales	\$ (1,486,812)	\$ (2,450,268)	\$ (1,973,702)	\$ (1,661,992)	\$ (1,307,628)	\$ (2,359,304)	\$ (1,786,464)	\$ (1,137,796)	\$ (681,181)	\$ (542,692)	\$ (742,960)	\$ (667,720)	\$ (16,798,519)	
82	Spot Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
83	Spot Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
84															
85	On System Transactions														
86	Fixed Price														
87	Rate-Based Assets														
88	Colstrip Unit 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
89	Dave Gates Generating Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
90	Spion Kop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
91	Hydro Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
92															
93	Base Fixed Price Purchases														
94	Judith Gap	\$ 810,560	\$ 863,447	\$ 1,205,642	\$ 1,115,714	\$ 1,259,557	\$ 1,970,661	\$ 1,704,288	\$ 1,206,027	\$ 1,263,818	\$ 743,921	\$ 681,023	\$ 838,231	\$ 13,662,888	
95	Other Non-QF	\$ 575,078	\$ 54,135	\$ (75,614)	\$ (67,499)	\$ 140,673	\$ 140,673	\$ 140,673	\$ 140,673	\$ 140,673	\$ 140,673	\$ 146,094	\$ 643,836	\$ 2,120,067	
96	Competitive Solicitations	\$ 1,080,500	\$ 1,166,940	\$ 1,080,500	\$ 1,123,720	\$ 1,080,500	\$ 1,123,720	\$ 1,080,500	\$ 1,037,280	\$ 1,166,940	\$ 1,080,500	\$ 1,123,720	\$ 1,123,720	\$ 13,268,540	
97	QF Tier II	\$ 2,872,581	\$ 2,813,271	\$ 1,999,894	\$ 2,980,525	\$ 2,942,646	\$ 2,926,237	\$ 2,819,004	\$ 2,246,307	\$ 2,796,822	\$ 2,741,466	\$ 2,699,870	\$ 2,861,806	\$ 32,700,429	
98	QF Tier II Adjustments													\$ -	
99	QF-1 Tariff Contracts	\$ 842,259	\$ 821,440	\$ 789,872	\$ 917,629	\$ 1,504,670	\$ 1,571,613	\$ 1,557,257	\$ 1,302,454	\$ 1,098,327	\$ 1,258,069	\$ 1,088,434	\$ 1,408,735	\$ 14,160,761	
100	Term Fixed Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
101	Term Fixed Price Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (77,943)	\$ (56,472)	\$ -	\$ (134,415)	
102	Index Price														
103	Base Index Price Purchases														
104	Competitive Solicitations	\$ 291,520	\$ 359,340	\$ 260,128	\$ 218,192	\$ 170,592	\$ 330,100	\$ 315,892	\$ 201,788	\$ 120,624	\$ 107,816	\$ 154,700	\$ 142,956	\$ 2,673,648	
105	Term Index Price Purchases	\$ 2,292,146	\$ 2,678,683	\$ 760,965	\$ 6,738	\$ 6,738	\$ 814,578	\$ 984,147	\$ 661,500	\$ 6,694	\$ 6,694	\$ 6,694	\$ 6,694	\$ 8,232,268	
106	Term Index Price Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
107	Spot Purchases	\$ 1,757,276	\$ 1,544,818	\$ 1,230,796	\$ 1,199,103	\$ 921,634	\$ 3,626,637	\$ 3,728,480	\$ 2,115,487	\$ 1,192,421	\$ 477,720	\$ 849,210	\$ 821,581	\$ 19,465,163	
108	Spot Sales	\$ (1,183,739)	\$ (1,500,559)	\$ (773,337)	\$ (693,508)	\$ (440,208)	\$ (1,173,454)	\$ (1,027,559)	\$ (281,663)	\$ (310,739)	\$ (792,936)	\$ (555,048)	\$ (291,960)	\$ (9,024,708)	
109															
110	Imbalance, Current Month Estimate	\$ (44,598)	\$ 300,426	\$ (439,429)	\$ (296,509)	\$ (296,029)	\$ 567,161	\$ 411,914	\$ (382,459)	\$ (191,881)	\$ (221,461)	\$ (134,256)	\$ (125,560)	\$ (852,681)	
111	Imbalance, Prior Months True-up	\$ 20,032	\$ (94,963)	\$ (28,575)	\$ (276,705)	\$ 326,569	\$ 114,577	\$ 281,332	\$ (222,018)	\$ (368,251)	\$ 117,593	\$ (32,169)	\$ 22,007	\$ (140,571)	
112	Imbalance, Accounting & BA Expense	\$ 29,891	\$ (131,190)	\$ (440,932)	\$ 243,687	\$ (385,902)	\$ (124,037)	\$ (205,342)	\$ 153,617	\$ 215,610	\$ (197,766)	\$ (107,399)	\$ (154,764)	\$ (1,104,526)	
113															
114	Ancillary and Other														
115	Basin Creek Fixed Costs	\$ 467,375	\$ 576,132	\$ 467,375	\$ 467,375	\$ 756,822	\$ 467,375	\$ 310,212	\$ 440,399	\$ 451,682	\$ 451,682	\$ 585,416	\$ 451,682	\$ 5,893,528	
116	Basin Creek Variable Costs	\$ 258,180	\$ 431,226	\$ 372,441	\$ 158,985	\$ 45,248	\$ 169,336	\$ 266,260	\$ 171,861	\$ 125,348	\$ 129,993	\$ 117,584	\$ 77,559	\$ 2,324,020	
117	Operating Reserves	\$ -	\$ 15,320	\$ 2,282	\$ 260	\$ -	\$ -	\$ 2,610	\$ -	\$ -	\$ -	\$ 2,024	\$ -	\$ 22,496	
118	Wind Other Cost	\$ 1,424	\$ 1,320	\$ 18,945	\$ 1,319	\$ 796,093	\$ 28,053	\$ 3,340	\$ 672	\$ 33,395	\$ 2,372	\$ 798,096	\$ 21,395	\$ 1,706,423	
119	DSM Program & Labor Costs (Estimated)	\$ 320,096	\$ 538,282	\$ 279,643	\$ 704,971	\$ 517,912	\$ 544,670	\$ 677,490	\$ 145,430	\$ 781,394	\$ 585,051	\$ 773,538	\$ 656,065	\$ 6,524,542	
120															
121															
122															
123	Total Delivered Supply	\$ 12,018,128	\$ 11,810,819	\$ 8,447,165	\$ 10,037,934	\$ 11,842,838	\$ 14,559,434	\$ 14,296,125	\$ 10,766,611	\$ 11,254,931	\$ 9,251,637	\$ 10,714,570	\$ 11,107,089	\$ 136,107,283	
124	Wind Other Cost includes: Judith Gap impact fees and property tax charges, consulting work on met towers, 3 TIER forecasting fees, electric service at met towers, and WREGIS charges.														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection														
3															
125	Electric Tracker Projection Excluding Generation Assets Cost of Service														
126	Unit Costs														
127															
128	Energy Supply Unit Costs	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total	
129		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
130	Off System Transactions														
131	Fixed Price														
132	Base Fixed Price Purchases														
133	Competitive Solicitations	\$ 58.80	\$ 58.67	\$ 58.74	\$ 58.73	\$ 58.74	\$ 58.73	\$ 58.80	\$ 58.69	\$ 58.66	\$ 58.74	\$ 58.73	\$ 58.67	\$ 58.73	
134	Base Fixed Price Sales														
135	Competitive Solicitations	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
136	Term Fixed Price Purchases	\$ 38.06	\$ 38.45	\$ 38.22	\$ 38.25	\$ 38.21	\$ 38.25	\$ 40.44	\$ 40.72	\$ 40.81	\$ 40.59	\$ 40.62	\$ 40.78	\$ 39.15	
137	Term Fixed Price Sales	\$ 32.00	n/a	n/a	n/a	n/a	\$ 30.25	\$ 39.50	n/a	n/a	n/a	n/a	n/a	\$ 33.41	
138	Index Price														
139	Base Index Price Purchases														
140	Base Index Price Sales														
141	Competitive Solicitations	\$ 31.15	\$ 35.27	\$ 28.01	\$ 22.98	\$ 19.06	\$ 33.74	\$ 33.59	\$ 23.02	\$ 13.17	\$ 12.78	\$ 16.88	\$ 14.83	\$ 23.77	
142	Term Index Price Purchases	n/a	n/a	n/a	n/a	n/a	\$ 33.79	\$ 33.69	n/a	n/a	n/a	n/a	n/a	\$ 33.74	
143	Term Index Price Sales	\$ 26.65	\$ 31.66	\$ 26.67	\$ 21.70	\$ 17.65	\$ 30.80	\$ 31.23	\$ 21.55	\$ 11.59	\$ 9.69	\$ 12.81	n/a	\$ 21.70	
144	Spot Purchases														
145	Spot Sales														
146															
147	On System Transactions														
148	Fixed Price														
149	Rate-Based Assets														
150	Colstrip Unit 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
151	Dave Gates Generating Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
152	Spion Kop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
153	Hydro Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
154															
155	Base Fixed Price Purchases														
156	Judith Gap	\$ 30.60	\$ 34.60	\$ 34.50	\$ 30.69	\$ 32.54	\$ 33.21	\$ 33.15	\$ 33.14	\$ 30.74	\$ 23.51	\$ 23.57	\$ 31.75	\$ 30.64	
157	Other Non-QF	\$ 42.70	\$ 10.91	\$ 66.15	\$ (23.45)	\$ 36.34	\$ 36.25	\$ 36.69	\$ 40.83	\$ 33.90	\$ 30.80	\$ 66.63	\$ 61.47	\$ 38.31	
158	Competitive Solicitations	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	
159	QF Tier II	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 39.54	\$ 38.80	\$ 39.80	
160	QF Tier II Adjustments														
161	QF-1 Tariff Contracts	\$ 66.35	\$ 67.74	\$ 62.31	\$ 60.66	\$ 57.55	\$ 62.72	\$ 61.86	\$ 60.99	\$ 56.68	\$ 58.07	\$ 56.88	\$ 61.65	\$ 60.23	
162	Term Fixed Price Purchases														
163	Term Fixed Price Sales	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
164	Index Price														
165	Base Index Price Purchases														
166	Competitive Solicitations	\$ 29.15	\$ 33.27	\$ 26.01	\$ 20.98	\$ 17.06	\$ 31.74	\$ 31.59	\$ 21.02	\$ 11.17	\$ 10.78	\$ 14.88	\$ 12.83	\$ 21.77	
167	Term Index Price Purchases	\$ 29.86	\$ 33.75	\$ 25.53	\$ 3.46	\$ 3.59	\$ 30.27	\$ 30.88	\$ 21.66	\$ 3.31	\$ 3.57	\$ 3.43	\$ 6.61	\$ 28.69	
168	Term Index Price Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14.83	\$ -	
169	Spot Purchases	\$ 28.93	\$ 30.41	\$ 25.53	\$ 19.25	\$ 16.81	\$ 32.63	\$ 31.88	\$ 19.65	\$ 12.55	\$ 6.93	\$ 11.37	n/a	\$ 21.01	
170	Spot Sales	\$ 20.95	\$ 26.38	\$ 21.59	\$ 18.39	\$ 14.27	\$ 27.36	\$ 29.09	\$ 19.08	\$ 13.19	\$ 11.72	\$ 10.49	\$ (0.07)	\$ 18.31	
171															
172	Imbalance, Current Month Estimate	\$ (23.57)	\$ (28.17)	\$ (25.32)	\$ (19.54)	\$ (16.25)	\$ (28.92)	\$ (29.54)	\$ (18.92)	\$ (12.71)	\$ (9.94)	\$ (11.04)	n/a	\$ (9.21)	
173	Imbalance, Prior Months True-up	\$ 48.48	\$ (5.69)	\$ (3.64)	\$ (23.72)	\$ (28.17)	\$ (22.65)	\$ (18.36)	\$ (21.71)	\$ (24.68)	\$ (57.56)	\$ (14.70)	n/a	\$ (6.01)	
174	Imbalance, Accounting & BA Expense														
175															
176	Ancillary and Other														
177	Basin Creek Fixed Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
178	Basin Creek Variable Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
179	Operating Reserves	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
180	Wind Other Cost	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
181	DSM Program & Labor Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
182															
183															
184															
185															
186	Total Delivered Supply	\$ 20.30	\$ 20.78	\$ 16.58	\$ 18.89	\$ 27.92	\$ 23.94	\$ 23.12	\$ 18.25	\$ 18.52	\$ 18.03	\$ 20.78	\$ 18.63	\$ 20.57	
187															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		
1	Colstrip Unit 4 Generation Asset Component																	
2																		
3																		
4	Colstrip Unit 4 Fixed Cost Revenue Requirement -- Per Final Order 6925f																	
5	Colstrip 4 Plant In Service																	
6	Electric Generation Plant	\$	33,916,667	\$	33,916,667	\$	33,916,667	\$	33,916,667	\$	33,916,667	\$	33,916,667	\$	33,916,667	\$	407,000,000	
7	Accumulated Depreciation (Book Life 34 Yrs)	\$	(997,549)	\$	(997,549)	\$	(997,549)	\$	(997,549)	\$	(997,549)	\$	(997,549)	\$	(997,549)	\$	(11,970,588)	
8	Deferred Income Taxes	\$	(96,014)	\$	(96,014)	\$	(96,014)	\$	(96,014)	\$	(96,014)	\$	(96,014)	\$	(96,014)	\$	(1,152,169)	
9	Total Year End Rate Base	\$	32,823,104	\$	32,823,104	\$	32,823,104	\$	32,823,104	\$	32,823,104	\$	32,823,104	\$	32,823,104	\$	393,877,243	
10																		
11	Average Annual Rate-Base	\$	33,369,885	\$	33,369,885	\$	33,369,885	\$	33,369,885	\$	33,369,885	\$	33,369,885	\$	33,369,885	\$	400,438,621	
12																		
13	Fixed Return (Avg Rate-Base * Cost of Capital)	8.25%	\$	2,753,016	\$	2,753,016	\$	2,753,016	\$	2,753,016	\$	2,753,016	\$	2,753,016	\$	2,753,016	\$	33,036,186
14																		
15	Fixed Cost of Service																	
16	Steam Power Generation Operation	\$	739,512	\$	739,512	\$	739,512	\$	739,512	\$	739,512	\$	739,512	\$	739,512	\$	8,874,144	
17	Purchase Power	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
18	Administrative and General Expenses	\$	247,388	\$	247,388	\$	247,388	\$	247,388	\$	247,388	\$	247,388	\$	247,388	\$	2,968,654	
19	Depreciation	\$	997,549	\$	997,549	\$	997,549	\$	997,549	\$	997,549	\$	997,549	\$	997,549	\$	11,970,588	
20	Property Taxes	\$	202,622	\$	202,622	\$	202,622	\$	202,622	\$	202,622	\$	202,622	\$	202,622	\$	2,431,458	
21	Taxes Other than Income	\$	44,086	\$	44,086	\$	44,086	\$	44,086	\$	44,086	\$	44,086	\$	44,086	\$	529,037	
22	MCC/MPSC Taxes	0.45%	\$	19,576	\$	19,576	\$	19,576	\$	19,576	\$	19,576	\$	19,576	\$	19,576	\$	234,907
23	Deferred Income Taxes	\$	96,014	\$	96,014	\$	96,014	\$	96,014	\$	96,014	\$	96,014	\$	96,014	\$	1,152,169	
24	Current Income Taxes	\$	968,357	\$	968,357	\$	968,357	\$	968,357	\$	968,357	\$	968,357	\$	968,357	\$	11,620,288	
25	Miscellaneous Revenues (Rent)	\$	(5,991)	\$	(5,991)	\$	(5,991)	\$	(5,991)	\$	(5,991)	\$	(5,991)	\$	(5,991)	\$	(71,887)	
26	Fixed Cost of Service	\$	3,309,113	\$	3,309,113	\$	3,309,113	\$	3,309,113	\$	3,309,113	\$	3,309,113	\$	3,309,113	\$	39,709,358	
27																		
28	Total CU4 Fixed Cost Revenue Requirement	\$	6,062,129	\$	6,062,129	\$	6,062,129	\$	6,062,129	\$	6,062,129	\$	6,062,129	\$	6,062,129	\$	72,745,544	
29																		
30																		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
31	Colstrip Unit 4 Generation Asset Component																
32																	
33				Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total	
34	Colstrip Unit 4 Variable Cost																
35	Total Forecast Sales																
36				506,019	541,572	488,465	441,153	433,976	512,902	630,059	581,057	507,684	451,436	428,985	452,624	5,975,931	
37				\$ 4.0809	\$ 4.0809	\$ 4.0809	\$ 4.0809	\$ 4.0809	\$ 4.0809	\$ 3.9670	\$ 3.9670	\$ 3.9670	\$ 3.9670	\$ 3.9670	\$ 3.9670		
38				\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)	\$ (0.1377)		
39																	
40	Colstrip Unit 4 Variable Cost Revenues																
41				\$ 2,066,286	\$ 2,211,111	\$ 1,993,656	\$ 1,799,436	\$ 1,770,018	\$ 2,093,211	\$ 2,550,810	\$ 2,305,808	\$ 2,013,956	\$ 1,790,059	\$ 1,701,408	\$ 1,795,415	\$ 24,091,174	
42																	
43				\$ 2,066,286	\$ 2,211,111	\$ 1,993,656	\$ 1,799,436	\$ 1,770,018	\$ 2,093,211	\$ 2,550,810	\$ 2,305,808	\$ 2,013,956	\$ 1,790,059	\$ 1,701,408	\$ 1,795,415	\$ 24,091,174	
44				\$ (69,590)	\$ (74,467)	\$ (67,142)	\$ (60,600)	\$ (59,609)	\$ (70,496)	\$ (86,638)	\$ (79,900)	\$ (69,786)	\$ (62,026)	\$ (58,955)	\$ (62,213)	\$ (821,420)	
45				\$ 1,996,696	\$ 2,136,644	\$ 1,926,514	\$ 1,738,836	\$ 1,710,408	\$ 2,022,715	\$ 2,464,172	\$ 2,225,909	\$ 1,944,171	\$ 1,728,033	\$ 1,642,453	\$ 1,733,203	\$ 23,269,753	
46																	
47				\$ 3,189,491	\$ 2,265,734	\$ 2,349,313	\$ 1,340,263	\$ 1,747,375	\$ 1,768,150	\$ 1,320,012	\$ 1,556,944	\$ 1,054,977	\$ 1,127,709	\$ 855,400	\$ 772,555	\$ 19,347,923	
48																	
49				\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 314,867	
50																	
51				\$ (152,774)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (152,774)	
52																	
53				\$ 3,089,195	\$ 2,318,211	\$ 2,401,791	\$ 1,392,741	\$ 1,799,853	\$ 1,820,628	\$ 1,320,012	\$ 1,556,944	\$ 1,054,977	\$ 1,127,709	\$ 855,400	\$ 772,555	\$ 19,510,016	
54																	
55																	
56	Carrying Cost Expense																
57				7.92%	\$ (14,748)	\$ (13,640)	\$ (10,575)	\$ (12,943)	\$ (12,435)	\$ (13,859)	\$ (21,548)	\$ (26,133)	\$ (32,211)	\$ (36,411)	\$ (41,878)	\$ (48,535)	\$ (284,916)
58																	
59				\$ 3,074,447	\$ 2,304,571	\$ 2,391,216	\$ 1,379,798	\$ 1,787,418	\$ 1,806,769	\$ 1,298,464	\$ 1,530,811	\$ 1,022,766	\$ 1,091,298	\$ 813,522	\$ 724,020	\$ 19,225,100	
60																	
61				\$ (69,590)	\$ (74,467)	\$ (67,142)	\$ (60,600)	\$ (59,609)	\$ (70,496)	\$ (86,638)	\$ (79,900)	\$ (69,786)	\$ (62,026)	\$ (58,955)	\$ (62,213)	\$ (821,420)	
62				\$ (1,008,161)	\$ (93,461)	\$ (397,560)	\$ 419,638	\$ (17,400)	\$ 286,442	\$ 1,252,346	\$ 774,997	\$ 991,190	\$ 698,761	\$ 887,886	\$ 1,071,396	\$ 4,866,074	
63				\$ (1,008,161)	\$ (1,101,622)	\$ (1,499,182)	\$ (1,079,544)	\$ (1,096,944)	\$ (810,502)	\$ 441,843	\$ 1,216,840	\$ 2,208,031	\$ 2,906,792	\$ 3,794,678	\$ 4,866,074		
64																	
65	Variable Cost Deferred																
66				\$ (3,313,584)	\$ (2,235,834)	\$ (2,067,906)	\$ (1,603,204)	\$ (1,962,242)	\$ (1,885,232)	\$ (2,101,179)	\$ (3,266,886)	\$ (3,961,984)	\$ (4,883,389)	\$ (5,520,124)	\$ (6,349,055)		
67				\$ 1,077,751	\$ 167,927	\$ 464,702	\$ (359,038)	\$ 77,009	\$ (215,946)	\$ (1,165,708)	\$ (695,098)	\$ (921,405)	\$ (636,735)	\$ (828,931)	\$ (1,009,183)		
68				\$ (2,235,834)	\$ (2,067,906)	\$ (1,603,204)	\$ (1,962,242)	\$ (1,885,232)	\$ (2,101,179)	\$ (3,266,886)	\$ (3,961,984)	\$ (4,883,389)	\$ (5,520,124)	\$ (6,349,055)	\$ (7,358,238)		
69																	
70																	
71																	
72	The following is presented for informational purposes only																
73																	
74	Colstrip Unit 4 Variable Property Tax Revenues																
75				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0239	\$ 0.0239	\$ 0.0239	\$ 0.0239	\$ 0.0239	\$ 0.0239	\$ 0.0239	
76				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,661	\$ 13,673	\$ 12,124	\$ 10,779	\$ 10,976	\$ 11,223	\$ 63,436	
77				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,661	\$ 13,673	\$ 12,124	\$ 10,779	\$ 10,976	\$ 11,223	\$ 63,436	
78																	
79				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,108	\$ 12,108	\$ 12,108	\$ 12,108	\$ 12,108	\$ 12,108	\$ 72,649	
80																	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Dave Gates Generating Station at Mill Creek Asset Component														
2		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17		Total
3		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
4	Dave Gates Generating Station Fixed Cost Revenue Requirement -- Per Order 6943e														
5	DGGS Plant In Service														
6	Electric Generation Plant	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 15,211,469	\$ 182,537,625
7	Accumulated Depreciation (Book Life 30 Yrs)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (746,157)	\$ (8,953,885)
8	DGGS Project Costs	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 19,310	\$ 231,716
9	Customer Contributed Capital	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (259,613)	\$ (3,115,352)
10	Working Capital	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 165,045	\$ 1,980,537
11	Total Year End Rate Base	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 14,390,053	\$ 172,680,641
12															
13	Fixed Return (Avg RB * Cost of Capital)	8.16%	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 1,174,228	\$ 14,090,740
14															
15	Fixed Cost of Service														
16	Operation & Maintenance Expenses	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 404,115	\$ 4,849,385
17	Depreciation	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 497,438	\$ 5,969,257
18	Amortization of DGGS Project Cost	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 12,873	\$ 154,477
19	Property Taxes	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 317,018	\$ 3,804,214
20	MPSC & MCC Revenue Tax	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 10,424	\$ 125,086
21	Deferred Income Taxes	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 525,000	\$ 6,300,004
22	Current Income Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Fixed Cost of Service	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 1,766,869	\$ 21,202,423
24															
25	Subtotal Fixed Cost Revenue Requirement	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 2,941,097	\$ 35,293,163
26															
27	Less: Transmission Service @ 20%	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (588,219)	\$ (7,058,633)
28															
29	DGGS Fixed Cost Allocation	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 28,234,531
30															
31															
32	Total DGGS Fixed Cost Revenue Requirement	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 2,352,878	\$ 28,234,531
33															

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
34	Dave Gates Generating Station at Mill Creek Asset Component														
35															
36		Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17		Total
37	Dave Gates Generating Station at Mill Creek Variable Cost														
38	Total Forecast Sales														
39	Tracker Sales MWh	506,019	541,572	488,465	441,153	433,976	512,902	630,059	581,057	507,684	451,436	428,985	452,624	5,975,931	
40	DGGS Cost	\$ 0.6110	\$ 0.6110	\$ 0.6110	\$ 0.6110	\$ 0.6110	\$ 0.6110	\$ 0.6119	\$ 0.6119	\$ 0.6119	\$ 0.6119	\$ 0.6119	\$ 0.6119		
41	Prior Year Deferred Expense	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)	\$ (0.0764)		
42	DGGS Variable Cost Revenues														
44	NWE DGGS Revenues	\$ 309,157	\$ 330,826	\$ 298,290	\$ 269,230	\$ 264,828	\$ 313,184	\$ 385,081	\$ 355,538	\$ 310,537	\$ 276,013	\$ 262,344	\$ 276,839	\$ 3,651,865	
45	Prior Year(s) Deferred Expense	\$ (38,835)	\$ (41,557)	\$ (37,471)	\$ (33,820)	\$ (32,266)	\$ (39,340)	\$ (48,348)	\$ (44,588)	\$ (38,944)	\$ (34,614)	\$ (32,900)	\$ (34,718)	\$ (458,400)	
46	Total Revenue	\$ 270,322	\$ 289,269	\$ 260,819	\$ 235,410	\$ 231,562	\$ 273,844	\$ 336,733	\$ 310,950	\$ 271,593	\$ 241,399	\$ 229,444	\$ 242,121	\$ 3,193,465	
47	DGGS Fuel Cost														
49	DGGS Fuel Cost	\$ 713,727	\$ 672,728	\$ 621,998	\$ 704,249	\$ 637,683	\$ 790,272	\$ 733,639	\$ 546,041	\$ 618,552	\$ 689,656	\$ 658,566	\$ 596,041	\$ 7,983,153	
50	DGGS Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
51	Less: Energy Supply Cost (7 MW)	\$ (116,243)	\$ (127,700)	\$ (90,569)	\$ (62,861)	\$ (45,814)	\$ (117,336)	\$ (124,940)	\$ (61,905)	\$ (34,581)	\$ (12,701)	\$ (23,644)	\$ (24,696)	\$ (842,989)	
52	Subtotal	\$ 597,485	\$ 545,028	\$ 531,430	\$ 641,388	\$ 591,869	\$ 672,936	\$ 608,700	\$ 484,137	\$ 583,971	\$ 676,956	\$ 634,922	\$ 571,345	\$ 7,140,165	
53	Less: Transmission Service @ 20%	\$ (119,497)	\$ (109,006)	\$ (106,286)	\$ (128,278)	\$ (118,374)	\$ (134,587)	\$ (121,740)	\$ (96,827)	\$ (116,794)	\$ (135,391)	\$ (126,984)	\$ (114,269)	\$ (1,428,033)	
54	MPSC-Related Supply Cost	\$ 477,988	\$ 436,022	\$ 425,144	\$ 513,110	\$ 473,495	\$ 538,349	\$ 486,960	\$ 387,309	\$ 467,177	\$ 541,565	\$ 507,938	\$ 457,076	\$ 5,712,132	
55	Energy Supply Cost (7 MW)	\$ 116,243	\$ 127,700	\$ 90,569	\$ 62,861	\$ 45,814	\$ 117,336	\$ 124,940	\$ 61,905	\$ 34,581	\$ 12,701	\$ 23,644	\$ 24,696	\$ 842,989	
56	Subtotal MPSC-Related Fuel Cost	\$ 594,230	\$ 563,722	\$ 515,713	\$ 575,971	\$ 519,309	\$ 655,685	\$ 611,900	\$ 449,214	\$ 501,758	\$ 554,265	\$ 531,582	\$ 481,772	\$ 6,555,120	
57	Regulation Contracts														
59	Capacity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
60	Energy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
61	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
62	Less: Transmission Service @ 20%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
63	Subtotal MPSC-Related Regulation Contract Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
64	DGGS Fuel Cost Allocation														
65		\$ 594,230	\$ 563,722	\$ 515,713	\$ 575,971	\$ 519,309	\$ 655,685	\$ 611,900	\$ 449,214	\$ 501,758	\$ 554,265	\$ 531,582	\$ 481,772	\$ 6,555,120	
66	DGGS Revenue Credits														
68	Revenue Credits (27 MW Supply/Tran)	\$ (372,091)	\$ (505,394)	\$ (194,407)	\$ (152,019)	\$ (122,504)	\$ (351,106)	\$ (343,348)	\$ (152,174)	\$ (90,399)	\$ (36,077)	\$ (63,714)	\$ (64,830)	\$ (2,448,064)	
69	Less: Transmission Service @ 20%	\$ 74,418	\$ 101,079	\$ 38,881	\$ 30,404	\$ 24,501	\$ 70,221	\$ 68,670	\$ 30,435	\$ 18,080	\$ 7,215	\$ 12,743	\$ 12,966	\$ 489,613	
70	Subtotal MPSC-Related Revenue Credits	\$ (297,673)	\$ (404,316)	\$ (155,526)	\$ (121,615)	\$ (98,003)	\$ (280,885)	\$ (274,678)	\$ (121,739)	\$ (72,319)	\$ (28,862)	\$ (50,971)	\$ (51,864)	\$ (1,958,451)	
71	Regulation Contracts Revenue Credits														
73	Revenue Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
74	Less: Transmission Service @ 20%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
75	Subtotal MPSC-Related Revenue Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
76	DGGS Revenue Credit Allocation														
77		\$ (297,673)	\$ (404,316)	\$ (155,526)	\$ (121,615)	\$ (98,003)	\$ (280,885)	\$ (274,678)	\$ (121,739)	\$ (72,319)	\$ (28,862)	\$ (50,971)	\$ (51,864)	\$ (1,958,451)	
78	Incremental Property Tax Adjustment														
79		\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,476	
80	MPSC/MCC Tax Adjustment														
81		\$ (9,882)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (9,882)	
82	Subtotal DGGS Variable Cost Allocation	\$ 288,255	\$ 160,986	\$ 361,766	\$ 455,935	\$ 422,885	\$ 376,379	\$ 337,221	\$ 327,475	\$ 429,439	\$ 525,404	\$ 480,611	\$ 429,908	\$ 4,596,264	
84	Carrying Cost Expense														
86	Carrying Costs	7.92%	\$ (10,937)	\$ (11,861)	\$ (11,269)	\$ (9,880)	\$ (8,675)	\$ (8,052)	\$ (8,102)	\$ (8,046)	\$ (7,052)	\$ (5,213)	\$ (3,580)	\$ (2,357)	\$ (95,024)
87	Total DGGS Variable Cost Allocation														
88		\$ 277,318	\$ 149,125	\$ 350,497	\$ 446,055	\$ 414,210	\$ 368,327	\$ 329,119	\$ 319,428	\$ 422,387	\$ 520,191	\$ 477,031	\$ 427,551	\$ 4,501,240	
89	Deferred Cost Amortization (Under)/Over														
90	Monthly Deferred Cost	\$ (38,835)	\$ (41,557)	\$ (37,471)	\$ (33,820)	\$ (32,266)	\$ (39,340)	\$ (48,348)	\$ (44,588)	\$ (38,944)	\$ (34,614)	\$ (32,900)	\$ (34,718)	\$ (458,400)	
91	Cumulative Deferred Cost	\$ 31,838	\$ 213,539	\$ 161,332	\$ (15,493)	\$ (164,875)	\$ (220,018)	\$ (164,056)	\$ (127,947)	\$ (239,798)	\$ (483,976)	\$ (698,663)	\$ (849,375)		
92	Variable Cost Deferred														
95	Beginning Balance	\$ (1,665,054)	\$ (1,658,057)	\$ (1,798,201)	\$ (1,708,523)	\$ (1,497,878)	\$ (1,315,230)	\$ (1,220,746)	\$ (1,228,361)	\$ (1,219,883)	\$ (1,069,088)	\$ (790,296)	\$ (542,709)		
96	Monthly Deferred Cost	\$ 6,997	\$ (140,143)	\$ 89,678	\$ 210,645	\$ 182,648	\$ 94,483	\$ (7,614)	\$ 8,478	\$ 150,794	\$ 278,792	\$ 247,587	\$ 185,430		
97	Ending Balance Under/(Over)	\$ (1,658,057)	\$ (1,798,201)	\$ (1,708,523)	\$ (1,497,878)	\$ (1,315,230)	\$ (1,220,746)	\$ (1,228,361)	\$ (1,219,883)	\$ (1,069,088)	\$ (790,296)	\$ (542,709)	\$ (357,279)		
98	The following is presented for informational purposes only														
99															
100	DGGS Variable Property Tax Revenues														
102	DGGS Property Tax Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0149	\$ 0.0149	\$ 0.0149	\$ 0.0149	\$ 0.0149	\$ 0.0149	\$ 0.0149	
104	DGGS Property Tax Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,913	\$ 8,545	\$ 7,578	\$ 6,737	\$ 6,842	\$ 6,996	\$ 39,611	
105	Total Property Tax Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,913	\$ 8,545	\$ 7,578	\$ 6,737	\$ 6,842	\$ 6,996	\$ 39,611	
106	Incremental Property Tax Adjustment														
107		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,548	\$ 7,548	\$ 7,548	\$ 7,548	\$ 7,548	\$ 7,548	\$ 45,286	
108															

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Spion Kop Asset Component														
2			Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
3			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
4	Spion Kop Fixed Cost Revenue Requirement -- Per Order 71591														
5	Spion Kop Plant In Service														
6	Electric Generation Plant		\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 84,018,052
7	Accumulated Depreciation		\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (11,619,147)
8	Total Net Plant		\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 72,398,905
9															
10	Accelerated Tax Depreciation		\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 23,435,008
11	NOL Deferred Tax Asset		\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (23,442,651)
12	Total Customer Contributed Capital		\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (7,643)
13															
14	Total Year End Rate Base		\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 72,406,548
15															
16	Fixed Return (Avg RB * Cost of Capital)	7.00%	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 5,068,458
17															
18	Fixed Cost of Service														
19	Operation & Maintenance Turbine Expense		\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 2,473,202
20	Landowner Maintenance Expense		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21	Landowner Right of Way Expense		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Royalty Fee		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Administrative and General Expense		\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 93,251
24	Depreciation		\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 3,347,190
25	Wind Generation Facility Impact Fee		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	Property & Other Taxes		\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 329,048
27	MPSC & MCC Revenue Tax	0.53%	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 23,928
28	Deferred Income Taxes		\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 89,740
29	Current Income Taxes		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	Fixed Cost of Service		\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 529,697	\$ 6,356,358
31															
32	Total Spion Kop Fixed Cost Revenue Requirement		\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 11,424,816
33															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
34	Spion Kop Asset Component																
35				Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total	
36				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
37	Spion Kop Variable Cost																
38	Total Forecast Sales																
39				506,019	541,572	488,465	441,153	433,976	512,902	630,059	581,057	507,684	451,436	428,985	452,624	5,975,931	
40				\$ (0.5217)	\$ (0.5217)	\$ (0.5217)	\$ (0.5217)	\$ (0.5217)	\$ (0.5217)	\$ (0.5051)	\$ (0.5051)	\$ (0.5051)	\$ (0.5051)	\$ (0.5051)	\$ (0.5051)		
41				\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)	\$ (0.1504)		
42																	
43	Spion Kop Variable Cost Revenue Credit																
44				\$ (264,276)	\$ (282,799)	\$ (254,987)	\$ (230,146)	\$ (226,383)	\$ (267,719)	\$ (325,813)	\$ (293,580)	\$ (256,421)	\$ (227,914)	\$ (216,627)	\$ (228,596)	\$ (3,075,260)	
45																	
46				\$ (264,276)	\$ (282,799)	\$ (254,987)	\$ (230,146)	\$ (226,383)	\$ (267,719)	\$ (325,813)	\$ (293,580)	\$ (256,421)	\$ (227,914)	\$ (216,627)	\$ (228,596)	\$ (3,075,260)	
47				\$ (76,152)	\$ (81,490)	\$ (73,476)	\$ (66,317)	\$ (65,231)	\$ (77,142)	\$ (94,806)	\$ (87,433)	\$ (76,365)	\$ (67,874)	\$ (64,513)	\$ (68,078)	\$ (898,877)	
48				\$ (340,429)	\$ (364,289)	\$ (328,463)	\$ (296,462)	\$ (291,613)	\$ (344,861)	\$ (420,618)	\$ (381,013)	\$ (332,786)	\$ (295,788)	\$ (281,140)	\$ (296,674)	\$ (3,974,137)	
49																	
50				\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (48,221)	
51																	
52				\$ (173,722)	\$ (175,341)	\$ (238,881)	\$ (203,199)	\$ (292,125)	\$ (346,503)	\$ (294,414)	\$ (228,751)	\$ (373,500)	\$ (283,698)	\$ (189,456)	\$ (272,109)	\$ (3,071,700)	
53				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
54																	
55				\$ (19,881)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (19,881)	
56																	
57				\$ (201,640)	\$ (183,378)	\$ (246,918)	\$ (211,236)	\$ (300,162)	\$ (354,539)	\$ (294,414)	\$ (228,751)	\$ (373,500)	\$ (283,698)	\$ (189,456)	\$ (272,109)	\$ (3,139,801)	
58																	
59	Carrying Cost Expense																
60				7.92%	\$ (3,834)	\$ (2,658)	\$ (2,135)	\$ (1,583)	\$ (1,650)	\$ (1,725)	\$ (899)	\$ 106	\$ (163)	\$ (84)	\$ 524	\$ 691	\$ (13,411)
61																	
62				\$ (205,474)	\$ (186,036)	\$ (249,052)	\$ (212,818)	\$ (301,812)	\$ (356,265)	\$ (295,313)	\$ (228,645)	\$ (373,664)	\$ (283,782)	\$ (188,932)	\$ (271,419)	\$ (3,153,212)	
63																	
64				\$ (76,152)	\$ (81,490)	\$ (73,476)	\$ (66,317)	\$ (65,231)	\$ (77,142)	\$ (94,806)	\$ (87,433)	\$ (76,365)	\$ (67,874)	\$ (64,513)	\$ (68,078)	\$ (898,877)	
65				\$ (58,802)	\$ (96,763)	\$ (5,935)	\$ (17,327)	\$ 75,429	\$ 88,546	\$ (30,500)	\$ (64,935)	\$ 117,243	\$ 55,868	\$ (27,695)	\$ 42,823	\$ 77,952	
66				\$ (58,802)	\$ (155,565)	\$ (161,500)	\$ (178,827)	\$ (103,398)	\$ (14,852)	\$ (45,352)	\$ (110,287)	\$ 6,956	\$ 62,824	\$ 35,129	\$ 77,952		
67																	
68	Variable Cost Deferred																
69				\$ (716,226)	\$ (581,271)	\$ (403,018)	\$ (323,607)	\$ (239,963)	\$ (250,162)	\$ (261,566)	\$ (136,261)	\$ 16,107	\$ (24,770)	\$ (12,765)	\$ 79,443		
70				\$ 134,955	\$ 178,253	\$ 79,411	\$ 83,644	\$ (10,199)	\$ (11,404)	\$ 125,305	\$ 152,368	\$ (40,877)	\$ 12,005	\$ 92,208	\$ 25,255		
71				\$ (581,271)	\$ (403,018)	\$ (323,607)	\$ (239,963)	\$ (250,162)	\$ (261,566)	\$ (136,261)	\$ 16,107	\$ (24,770)	\$ (12,765)	\$ 79,443	\$ 104,699		
72																	
73																	
74	The following is presented for informational purposes only																
75																	
76	Spion Kop Variable Property Tax Revenues																
77				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.013	\$ 0.013	\$ 0.013	\$ 0.013	\$ 0.013	\$ 0.013	\$ 0.013	
78				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,525	\$ 7,406	\$ 6,567	\$ 5,839	\$ 6,038	\$ 6,174	\$ 34,548	
79				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,525	\$ 7,406	\$ 6,567	\$ 5,839	\$ 6,038	\$ 6,174	\$ 34,548	
80																	
81				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,661	\$ 6,661	\$ 6,661	\$ 6,661	\$ 6,661	\$ 6,661	\$ 39,963	
82																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Hydro Asset Purchase															
2				Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
3				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
4	Hydro Asset Revenue Requirement -- Per Final Order 7323k															
5	Hydro Assets Plant In Service															
6				\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 523,078,225
7				\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 346,921,775
8				\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 870,000,000
9																
10				Less:												
11				\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (8,659,349)
12				\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 861,340,651
13																
14				Less:												
15																
16				\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 2,648,088
17				\$ 792,995	\$ 792,995	\$ 792,995	\$ 792,995	\$ 792,995	\$ 792,995	\$ 792,995	\$ 793,175	\$ 793,175	\$ 793,175	\$ 793,175	\$ 793,175	\$ 9,517,020
18				\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,849	\$ 1,013,849	\$ 1,013,849	\$ 1,013,849	\$ 1,013,849	\$ 1,013,849	\$ 12,165,108
19																
20				Plus: Working Capital												
21				\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (634,764)	\$ (634,764)	\$ (634,764)	\$ (634,764)	\$ (634,764)	\$ (634,764)	\$ (7,689,276)
22				\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 243,273
23																
24				\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,150,047	\$ 70,150,047	\$ 70,150,047	\$ 70,150,047	\$ 70,150,047	\$ 70,150,047	\$ 841,729,541
25																
26				6.91%	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 4,847,368	\$ 4,847,368	\$ 4,847,368	\$ 4,847,368	\$ 4,847,368	\$ 4,847,368	\$ 58,163,511
27																
28				Fixed Cost of Service												
29				\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,819,846	\$ 1,819,846	\$ 1,819,846	\$ 1,819,846	\$ 1,819,846	\$ 1,819,846	\$ 21,902,281
30				\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 393,702	\$ 393,702	\$ 393,702	\$ 393,702	\$ 393,702	\$ 393,702	\$ 5,266,198
31				\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 17,318,699
32				\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 15,172,530
33				\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,465	\$ 61,465	\$ 61,465	\$ 61,465	\$ 61,465	\$ 61,465	\$ 740,773
34				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35				\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,699	\$ 2,027,699	\$ 2,027,699	\$ 2,027,699	\$ 2,027,699	\$ 2,027,699	\$ 24,330,215
36				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37				\$ 7,111,468	\$ 7,111,468	\$ 7,111,468	\$ 7,111,468	\$ 7,111,468	\$ 7,111,468	\$ 7,010,314	\$ 7,010,314	\$ 7,010,314	\$ 7,010,314	\$ 7,010,314	\$ 7,010,314	\$ 84,730,696
38																
39				\$ 11,958,019	\$ 11,958,019	\$ 11,958,019	\$ 11,958,019	\$ 11,958,019	\$ 11,958,019	\$ 11,857,683	\$ 11,857,683	\$ 11,857,683	\$ 11,857,683	\$ 11,857,683	\$ 11,857,683	\$ 142,894,207
40																
41																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
42	Hydro Asset Purchase															
43				Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total
44				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
45	Hydro Asset Purchase															
46	Total Forecast Sales															
47				506,019	541,572	488,465	441,153	433,976	512,902	630,059	581,057	507,684	451,436	428,985	452,624	5,975,931
48			\$	(0.0833)	(0.0833)	(0.0833)	(0.0833)	(0.0833)	(0.0833)	(0.0825)	(0.0825)	(0.0825)	(0.0825)	(0.0825)	(0.0825)	
49			\$	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	0.0426	
50																
51	Hydro Asset Variable Cost Revenue Credit															
52			\$	(42,341)	(45,308)	(40,849)	(36,867)	(36,265)	(42,891)	(52,356)	(47,511)	(41,501)	(36,891)	(35,062)	(36,998)	(494,838)
53																
54			\$	(42,341)	(45,308)	(40,849)	(36,867)	(36,265)	(42,891)	(52,356)	(47,511)	(41,501)	(36,891)	(35,062)	(36,998)	(494,838)
55			\$	21,199	22,687	20,457	18,468	18,166	21,479	26,394	24,341	21,262	18,901	17,964	18,956	250,274
56			\$	(21,141)	(22,621)	(20,392)	(18,399)	(18,099)	(21,412)	(25,962)	(23,170)	(20,238)	(17,990)	(17,098)	(18,043)	(244,565)
57																
58			\$	(38,860)	(32,926)	(26,928)	(29,339)	(30,413)	(32,917)	(31,309)	(29,154)	(35,147)	(36,963)	(35,185)	(39,258)	(398,398)
59																
60			\$	-	-	-	-	-	-	-	-	-	-	-	-	-
61																
62			\$	(450,554)	-	-	-	-	-	-	-	-	-	-	-	(450,554)
63																
64			\$	(489,415)	(32,926)	(26,928)	(29,339)	(30,413)	(32,917)	(31,309)	(29,154)	(35,147)	(36,963)	(35,185)	(39,258)	(848,953)
65																
66																
67	Carrying Cost Expense															
68			7.92%	(1,396)	(1,474)	(1,527)	(1,610)	(1,703)	(1,791)	(1,838)	(1,890)	(2,982)	(3,128)	(3,269)	(3,432)	(26,041)
69			\$	-	-	-	-	-	-	-	-	(147,614)	-	-	-	(147,614)
70			\$	(1,396)	(1,474)	(1,527)	(1,610)	(1,703)	(1,791)	(1,838)	(1,890)	(150,596)	(3,128)	(3,269)	(3,432)	(173,655)
71																
72			\$	(490,811)	(34,400)	(28,456)	(30,949)	(32,115)	(34,708)	(33,147)	(31,044)	(185,743)	(40,091)	(38,454)	(42,689)	(1,022,607)
73																
74			\$	21,199	22,687	20,457	18,468	18,166	21,479	26,394	24,341	21,262	18,901	17,964	18,956	250,274
75			\$	448,470	(10,907)	(12,393)	(5,917)	(4,149)	(8,183)	(19,209)	(16,467)	144,242	3,200	3,393	5,691	527,769
76			\$	448,470	437,563	425,169	419,252	415,103	406,920	387,710	371,243	515,485	518,685	522,078	527,769	
77																
78	Variable Cost Deferred															
79			\$	258,081	(211,589)	(223,368)	(231,432)	(243,982)	(257,999)	(271,295)	(278,480)	(286,353)	(451,858)	(473,959)	(495,315)	
80			\$	(469,670)	(11,780)	(8,064)	(12,550)	(14,017)	(13,296)	(7,185)	(7,873)	(165,505)	(22,101)	(21,356)	(24,647)	
81			\$	(211,589)	(223,368)	(231,432)	(243,982)	(257,999)	(271,295)	(278,480)	(286,353)	(451,858)	(473,959)	(495,315)	(519,962)	
82																
83																
84	The following is presented for informational purposes only															
85																
86	Hydro Variable Property Tax Revenues															
87			\$	-	-	-	-	-	-	0.202	0.202	0.202	0.202	0.202	0.202	
88			\$	-	-	-	-	-	-	38,452	112,800	100,024	88,925	92,531	94,617	527,349
89			\$	-	-	-	-	-	-	38,453	112,800	100,024	88,925	92,531	94,617	527,349
90																
91			\$	-	-	-	-	-	-	102,077	102,077	102,077	102,077	102,077	102,077	612,460
92																

	A	B	C	D	E	F
1	Table A: Reported Electricity Savings from 2016-17 USB and DSM Program Activity					
2	Programs	Annualized Energy Savings¹				
3		USB		DSM		
4		kWh	aMW	kWh	aMW	
5		E+ Energy Audit for the Home or Business (Elec)	1,000,678	0.11	-	-
6	E+ Business Partners Program	-	-	2,552,577	0.29	
7	E+ Irrigation	230,250	0.03	-	-	
8	E+ Commercial Lighting Rebate Program	-	-	20,993,070	2.40	
9	E+ Residential Lighting Programs	-	-	8,522,104	0.97	
10	Builder Operator Certification	932,088	0.11	-	-	
11	Northwest Energy Efficiency Alliance (NEEA)	-	-	10,736,068	1.23	
12	E+ Free Weatherization Program & Fuel Switch	368,548	0.04	-	-	
13	E+ Renewable Energy Program	504,760	0.06	-	-	
14	E+ Commercial NC Electric Rebate Program	-	-	2,529,280	0.29	
15	E+ Commercial EX Electric Rebate Program	-	-	2,654,653	0.30	
16						
17	Totals	3,036,324	0.35	47,987,751	5.48	
18	Note 1: Annualized energy savings are based on 12 months of actual savings					
19	(July - June).					
20						
21						

USB + DSM
 savings acquired
 in 2016-17
 Tracker Period
 (aMW): 5.82

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection Excluding Generation Assets Cost of Service														
3															
4			Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total
5			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
6	Total Sales and Unit Costs														
7	MWh		529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240	5,899,194
8	Supply Cost	\$	23.0177	\$ 22.6210	\$ 22.6423	\$ 22.7547	\$ 23.0177	\$ 21.4350	\$ 22.0502	\$ 21.7431	\$ 21.8971	\$ 22.0532	\$ 21.5165	\$ 21.2079	\$ 23.0177
9	YNP MWh		3,101	2,846	2,314	2,593	1,798	515	628	592	639	630	829	4,401	20,886
10	YNP Supply Rate	\$	67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000	\$ 67.7000
11	Prior Year(s) Deferred Expense	\$	1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473	\$ 1.4473
12															
13															
14	Electric Cost Revenues														
15	NWE Electric Supply	\$	11,650,388	\$ 11,779,590	\$ 11,149,480	\$ 10,100,513	\$ 10,097,760	\$ 12,491,258	\$ 12,588,255	\$ 10,427,807	\$ 10,228,369	\$ 10,260,317	\$ 9,554,572	\$ 9,717,681	\$ 130,045,990
16	YNP Electric Supply	\$	209,863	\$ 192,581	\$ 156,608	\$ 175,399	\$ 121,479	\$ 34,396	\$ 42,032	\$ 39,601	\$ 42,846	\$ 42,226	\$ 56,290	\$ 300,214	\$ 1,413,536
17	Subtotal	\$	11,860,250	\$ 11,972,171	\$ 11,306,089	\$ 10,275,912	\$ 10,219,239	\$ 12,525,654	\$ 12,630,287	\$ 10,467,408	\$ 10,271,215	\$ 10,302,544	\$ 9,610,862	\$ 10,017,895	\$ 131,459,526
18	Prior Year(s) Deferred Expense	\$	2,245,875	\$ 792,842	\$ 715,299	\$ 645,655	\$ 639,945	\$ 773,365	\$ 841,499	\$ 748,303	\$ 657,365	\$ 675,112	\$ 631,419	\$ 657,339	\$ 10,024,020
19	Total Revenue	\$	14,106,126	\$ 12,765,013	\$ 12,021,388	\$ 10,921,567	\$ 10,859,184	\$ 13,299,019	\$ 13,471,786	\$ 11,215,712	\$ 10,928,580	\$ 10,977,656	\$ 10,242,282	\$ 10,675,234	\$ 141,483,546
20															
21	Electric Supply Expenses														
22	Net Base Purchases	\$	8,934,152	\$ 7,598,743	\$ 8,103,130	\$ 8,504,709	\$ 9,043,279	\$ 9,771,837	\$ 9,422,587	\$ 9,589,518	\$ 9,282,721	\$ 7,690,687	\$ 7,729,944	\$ 8,400,095	\$ 104,071,403
23	Net Base Sales	\$	(418,044)	\$ (327,612)	\$ (269,800)	\$ (249,812)	\$ (203,280)	\$ (221,904)	\$ (227,620)	\$ (166,992)	\$ (140,744)	\$ (126,228)	\$ (145,772)	\$ (225,736)	\$ (2,723,544)
24	Net Term Purchases	\$	3,510,610	\$ 3,865,850	\$ 2,309,200	\$ 2,418,630	\$ 2,283,621	\$ 2,390,810	\$ 1,802,978	\$ 1,782,694	\$ 2,510,833	\$ 2,250,541	\$ 2,101,120	\$ 2,205,756	\$ 29,432,642
25	Net Term Sales	\$	(3,517,140)	\$ (3,140,610)	\$ (2,564,340)	\$ (2,173,882)	\$ (1,887,902)	\$ (1,958,528)	\$ (1,699,666)	\$ (1,181,216)	\$ (920,474)	\$ (766,138)	\$ (987,810)	\$ (1,480,146)	\$ (22,277,852)
26	Net Spot Purchases	\$	2,988,764	\$ 2,849,940	\$ 1,824,979	\$ 1,522,716	\$ 2,115,775	\$ 2,172,512	\$ 2,776,533	\$ 1,177,886	\$ 632,067	\$ 625,130	\$ 818,642	\$ 1,992,064	\$ 21,497,009
27	Net Spot Sales	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	Other Tracker Costs	\$	1,337,262	\$ 1,157,238	\$ 1,512,266	\$ 1,328,943	\$ 3,456,606	\$ 981,570	\$ 195,512	\$ 508,779	\$ 861,586	\$ 691,359	\$ 2,415,643	\$ 1,204,695	\$ 15,651,460
29	Supply Adjustments 7283h	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (8,243,476)	\$ (8,243,476)
30	Total Electric Supply Expenses	\$	12,835,603	\$ 12,003,549	\$ 10,915,436	\$ 11,351,303	\$ 14,808,099	\$ 13,136,297	\$ 12,270,324	\$ 11,710,670	\$ 12,225,989	\$ 10,365,351	\$ 11,931,767	\$ 3,853,253	\$ 137,407,642
31															
32	NWE Transmission Costs														
33															
34	Other Services (Wheeling)	\$	174,763	\$ 177,611	\$ 64,790	\$ 90,263	\$ 36,654	\$ 26,176	\$ 34,175	\$ 15,053	\$ 34,791	\$ 40,442	\$ 52,385	\$ 49,303	\$ 796,406
35	Ancillary Cost (Disallowed)	\$	(1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (1,418)	\$ (17,010)
36	Total NWE Transmission	\$	173,345	\$ 176,193	\$ 63,373	\$ 88,846	\$ 35,237	\$ 24,759	\$ 32,757	\$ 13,635	\$ 33,373	\$ 39,024	\$ 50,967	\$ 47,885	\$ 779,396
37															
38	Administrative Expenses														
39	MPSC Tax Collection (.0020)(.0023)	\$	27,593	\$ 24,966	\$ 23,462	\$ 24,670	\$ 24,651	\$ 29,936	\$ 30,250	\$ 25,284	\$ 24,634	\$ 24,751	\$ 23,111	\$ 23,641	\$ 306,949
40	MCC Tax Collection (.0010)(.0006)	\$	13,796	\$ 12,483	\$ 11,731	\$ 6,436	\$ 6,431	\$ 7,809	\$ 7,891	\$ 6,596	\$ 6,426	\$ 6,457	\$ 6,029	\$ 6,167	\$ 98,253
41	Modeling	\$	108,998	\$ -	\$ -	\$ 6,188	\$ 135,839	\$ 104,829	\$ 68,672	\$ 96,353	\$ 14,732	\$ -	\$ -	\$ 264,566	\$ 800,177
42	Modeling Adjustments 7418d, 7283h	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (683,772)	\$ (683,772)
43	Trading & Marketing	\$	10,094	\$ 10,314	\$ 9,303	\$ 3,606	\$ 7,398	\$ 13,682	\$ 8,784	\$ 3,597	\$ 13,175	\$ 7,752	\$ 8,274	\$ 8,262	\$ 104,241
44	Administration	\$	75,564	\$ 23,424	\$ 15,071	\$ 45,696	\$ 3,051	\$ 13,114	\$ 96,263	\$ 3,950	\$ 103,419	\$ (36,310)	\$ 6,138	\$ 30,367	\$ 379,748
45	Total Administrative Expenses	\$	236,045	\$ 71,187	\$ 59,567	\$ 86,597	\$ 177,369	\$ 169,370	\$ 211,861	\$ 135,780	\$ 162,387	\$ 2,650	\$ 43,552	\$ (350,768)	\$ 1,005,596
46															
47	Carrying Cost Expense														
48	Carrying Costs	\$	84,434	\$ 81,581	\$ 75,596	\$ 80,116	\$ 108,279	\$ 109,207	\$ 103,579	\$ 108,545	\$ 119,180	\$ 116,183	\$ 128,799	\$ 63,525	\$ 1,179,024
49	Adjustments 7418d, 7283h	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,834,715)	\$ (2,834,715)
50															
51	Total Carrying Costs	\$	84,434	\$ 81,581	\$ 75,596	\$ 80,116	\$ 108,279	\$ 109,207	\$ 103,579	\$ 108,545	\$ 119,180	\$ 116,183	\$ 128,799	\$ (2,771,190)	\$ (1,655,691)
52															
53															
54	Total Expenses	\$	13,329,427	\$ 12,332,511	\$ 11,113,971	\$ 11,606,862	\$ 15,128,985	\$ 13,439,632	\$ 12,618,521	\$ 11,968,631	\$ 12,540,930	\$ 10,523,208	\$ 12,155,086	\$ 779,180	\$ 137,536,943
55															
56	Deferred Cost Amortization	\$	2,245,875	\$ 792,842	\$ 715,299	\$ 645,655	\$ 639,945	\$ 773,365	\$ 841,499	\$ 748,303	\$ 657,365	\$ 675,112	\$ 631,419	\$ 657,339	\$ 10,024,020
57	(under collection)/over collection														
58	Monthly Deferred Cost	\$	(1,469,177)	\$ (360,339)	\$ 192,118	\$ (1,330,950)	\$ (4,909,746)	\$ (913,978)	\$ 11,766	\$ (1,501,222)	\$ (2,269,715)	\$ (220,664)	\$ (2,544,224)	\$ 9,238,715	\$ (6,077,417)
59	Cumulative Deferred Cost	\$	(1,469,177)	\$ (1,829,516)	\$ (1,637,398)	\$ (2,968,348)	\$ (7,878,094)	\$ (6,792,072)	\$ (8,780,307)	\$ (10,281,529)	\$ (12,551,244)	\$ (12,771,908)	\$ (15,316,132)	\$ (6,077,417)	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Electric Supply Cost Tracker													
2	Electric Tracker Projection Excluding Generation Assets Cost of Service													
3														
4														
5			Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16
6			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
7														
8			Note: for supply cost expense positive value reflects an under collection, negative an (over collection).											
9	<u>Deferred Supply Cost Expense</u>													
10	Beginning Balance	\$	13,577,457	\$ 12,800,758	\$ 12,368,256	\$ 11,460,839	\$ 12,146,133	\$ 16,415,934	\$ 16,556,547	\$ 15,703,282	\$ 16,456,201	\$ 18,068,551	\$ 17,614,103	\$ 19,526,908
11	Monthly Deferred Cost	\$	(776,699)	\$ (432,502)	\$ (907,417)	\$ 685,295	\$ 4,269,800	\$ 140,613	\$ (853,265)	\$ 752,919	\$ 1,612,350	\$ (454,448)	\$ 1,912,805	\$ (9,896,055)
12	Ending Balance	\$	12,800,758	\$ 12,368,256	\$ 11,460,839	\$ 12,146,133	\$ 16,415,934	\$ 16,556,547	\$ 15,703,282	\$ 16,456,201	\$ 18,068,551	\$ 17,614,103	\$ 19,526,908	\$ 9,630,853
13														
14														
15	Total Capital	\$	12,800,758	\$ 12,368,256	\$ 11,460,839	\$ 12,146,133	\$ 16,415,934	\$ 16,556,547	\$ 15,703,282	\$ 16,456,201	\$ 18,068,551	\$ 17,614,103	\$ 19,526,908	\$ 9,630,853
16														
17														
18														
19	Cost of Capital		<u>Rate</u>	<u>% Capitalization</u>	<u>Rate of Return</u>									
20	Long-Term Debt		5.76%	52.00%	3.00%									
21	Common Equity		10.25%	48.00%	4.92%									
22														
23	Average Cost of Capital				7.92%									
24														
25	<u>Deferred Supply Expense</u>													
26	Carrying Charge		7.92%											
27														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1		Electric Supply Cost Tracker													
2		Electric Tracker Projection													
3															
4		Volumes in MWh	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total
5			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
6		Off System Transactions													
7		Fixed Price													
8		Base Fixed Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Competitive Solicitations	39,400	39,400	38,000	40,200	37,225	39,400	38,600	37,400	40,175	38,800	38,600	38,800	466,000
10		Base Fixed Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
11		Competitive Solicitations	-	-	-	-	-	-	-	-	-	-	-	-	-
12		Term Fixed Price Purchases	66,200	66,200	64,000	66,600	63,675	66,200	47,200	44,800	47,950	46,400	47,200	46,400	672,825
13		Term Fixed Price Sales	(37,200)	(52,000)	(36,000)	-	-	-	-	-	-	-	-	-	(125,200)
14		Index Price													
15		Base Index Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
16		Base Index Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
17		Competitive Solicitations	(10,400)	(10,400)	(10,000)	(10,800)	(9,600)	(10,400)	(10,000)	(10,000)	(10,800)	(10,400)	(10,000)	(10,400)	(123,200)
18		Term Index Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
19		Term Index Price Sales	(58,000)	(43,200)	(56,000)	(96,000)	(91,300)	(95,200)	(75,800)	(72,200)	(77,325)	(74,800)	(75,800)	(74,800)	(890,425)
20		Spot Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
21		Spot Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
22															
23		On System Transactions													
24		Fixed Price													
25		Rate-Based Assets													
26		Colstrip Unit 4	143,782	143,825	146,334	151,918	140,317	137,159	148,270	110,806	83,299	83,299	41,286	63,293	1,393,588
27		Dave Gates Generating Station	5,208	5,208	5,040	5,208	5,040	5,208	5,208	4,872	5,208	5,040	5,208	5,040	61,488
28		Spion Kop	7,325	7,267	9,938	10,990	12,666	14,396	13,383	17,383	13,731	8,146	8,293	7,642	131,159
29		Hydro Assets	258,604	209,122	173,398	158,780	161,681	165,511	173,934	172,765	183,727	217,614	269,706	246,917	2,391,759
30															
31		Base Fixed Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
32		Judith Gap	30,785	23,877	30,919	32,440	51,699	55,889	50,320	58,793	47,563	38,641	34,937	30,096	485,958
33		Other Non-QF	13,479	(11,150)	(1,107)	(1,255)	3,760	3,847	3,816	3,547	3,770	3,770	5,208	13,065	40,750
34		Competitive Solicitations	20,800	20,800	20,000	21,600	19,200	20,800	20,000	20,000	21,600	20,800	20,000	20,800	246,400
35		QF Tier II	62,605	71,897	72,973	77,915	74,409	74,412	74,050	70,272	74,538	61,840	81,416	56,100	852,427
36		QF Tier II Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-
37		QF-1 Tariff Contracts	12,419	12,376	11,425	13,139	15,003	18,547	17,908	20,371	18,646	12,236	13,592	14,036	179,697
38		Term Fixed Price Purchases	27,995	36,876	-	-	-	-	-	-	-	-	-	-	64,871
39		Term Fixed Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
40		Index Price													
41		Base Index Price Purchases	-	-	-	-	-	-	-	-	-	-	-	-	-
42		Competitive Solicitations	10,400	10,400	10,000	10,765	9,600	10,369	10,000	10,000	10,800	10,400	10,000	10,400	123,134
43		Term Index Price Purchases	-	-	-	-	-	-	1,875	5,875	46,925	37,916	20,475	19,950	133,016
44		Term Index Price Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
45		Spot Purchases	92,142	99,578	73,853	65,999	88,213	101,215	120,282	74,154	64,474	61,953	59,925	86,836	988,624
46		Spot Sales	-	-	-	-	-	-	-	-	-	-	-	-	-
47		Revenue Credits	(96,438)	(69,881)	(60,185)	(56,824)	(53,069)	(22,901)	(36,915)	(35,740)	(45,073)	(76,885)	(66,512)	(37,684)	(658,107)
48		Imbalance, Current Month Estimate	15,266	15,900	6,995	13,178	(10,360)	(9,944)	18,221	20,620	8,705	9,424	9,788	(6,503)	91,289
49		Imbalance, Prior Months True-up	(10,354)	(4,918)	(12,512)	(6,664)	1,790	(9,517)	(319)	(4,522)	(8,542)	(3,990)	(2,185)	954	(60,777)
50		Imbalance, Accounting & BA Expense	-	-	-	-	-	-	-	-	-	-	-	-	-
51															
52		Ancillary and Other													
53		Basin Creek Fixed Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
54		Basin Creek Variable Costs	8,110	6,094	5,675	8,103	8,550	9,473	9,882	4,173	2,032	5,155	9,624	6,214	83,084
55		Operating Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-
56		Wind Other Cost	-	-	-	-	-	-	-	-	-	-	-	-	-
57		DSM Program & Labor Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
58		T & D Lost Revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
59		T & D Lost Revenue Adjustment	-	-	-	-	-	-	-	-	-	-	-	-	-
60															
61		Total Delivered Supply	602,127	577,271	492,747	505,292	528,499	574,464	629,915	553,369	531,402	495,360	520,760	537,156	6,548,361
62															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection														
3															
63	Electric Tracker Projection Excluding Generation Assets Cost of Service														
64	Total Supply Expense														
65															
66	Energy Supply Expense	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total	
67		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
68	Off System Transactions														
69	Fixed Price														
70	Base Fixed Price Purchases														
71	Competitive Solicitations	\$ 2,314,000	\$ 2,314,000	\$ 2,232,200	\$ 2,358,360	\$ 2,189,400	\$ 2,314,000	\$ 2,269,640	\$ 2,194,760	\$ 2,356,800	\$ 2,276,560	\$ 2,269,640	\$ 2,276,560	\$ 27,365,920	
72	Base Fixed Price Sales														
73	Competitive Solicitations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
74	Term Fixed Price Purchases	\$ 2,390,810	\$ 2,390,810	\$ 2,309,200	\$ 2,418,630	\$ 2,283,621	\$ 2,390,810	\$ 1,796,240	\$ 1,720,160	\$ 1,844,015	\$ 1,782,880	\$ 1,796,240	\$ 1,782,880	\$ 24,906,296	
75	Term Fixed Price Sales	\$ (1,423,000)	\$ (2,046,200)	\$ (1,119,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,588,200)	
76	Index Price														
77	Base Index Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
78	Base Index Price Sales														
79	Competitive Solicitations	\$ (418,044)	\$ (327,612)	\$ (269,800)	\$ (249,812)	\$ (203,280)	\$ (221,904)	\$ (227,620)	\$ (166,992)	\$ (140,744)	\$ (126,228)	\$ (145,772)	\$ (225,736)	\$ (2,723,544)	
80	Term Index Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
81	Term Index Price Sales	\$ (2,094,140)	\$ (1,094,410)	\$ (1,445,340)	\$ (2,173,882)	\$ (1,887,902)	\$ (1,958,528)	\$ (1,699,666)	\$ (1,181,216)	\$ (920,474)	\$ (766,138)	\$ (987,810)	\$ (1,480,146)	\$ (17,689,652)	
82	Spot Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
83	Spot Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
84															
85	On System Transactions														
86	Fixed Price														
87	Rate-Based Assets														
88	Colstrip Unit 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
89	Dave Gates Generating Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
90	Spion Kop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
91	Hydro Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
92															
93	Base Fixed Price Purchases														
94	Judith Gap	\$ 936,864	\$ 822,671	\$ 1,068,965	\$ 989,840	\$ 1,672,685	\$ 1,846,983	\$ 1,661,276	\$ 1,949,315	\$ 1,458,920	\$ 901,963	\$ 815,487	\$ 699,510	\$ 14,824,480	
95	Other Non-QF	\$ 888,695	\$ (604,978)	\$ (72,333)	\$ (80,759)	\$ 138,689	\$ 138,689	\$ 138,689	\$ 138,689	\$ 138,689	\$ 138,689	\$ 242,352	\$ 568,094	\$ 1,773,207	
96	Competitive Solicitations	\$ 1,123,720	\$ 1,123,720	\$ 1,080,500	\$ 1,166,940	\$ 1,037,280	\$ 1,123,720	\$ 1,080,500	\$ 1,080,500	\$ 1,166,940	\$ 1,123,720	\$ 1,080,500	\$ 1,123,720	\$ 13,311,760	
97	QF Tier II	\$ 2,429,074	\$ 2,789,604	\$ 2,831,349	\$ 3,023,102	\$ 2,887,069	\$ 2,887,186	\$ 2,873,140	\$ 2,726,554	\$ 2,892,076	\$ 2,399,390	\$ 2,373,706	\$ 2,683,909	\$ 32,796,158	
98	QF Tier II Adjustments														
99	QF-1 Tariff Contracts	\$ 844,554	\$ 846,914	\$ 712,650	\$ 819,710	\$ 934,076	\$ 1,260,674	\$ 1,191,721	\$ 1,352,708	\$ 1,150,152	\$ 744,936	\$ 822,487	\$ 843,366	\$ 11,523,949	
100	Term Fixed Price Purchases	\$ 1,119,800	\$ 1,475,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,594,840	
101	Term Fixed Price Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
102	Index Price														
103	Base Index Price Purchases														
104	Competitive Solicitations	\$ 397,244	\$ 306,812	\$ 249,800	\$ 227,515	\$ 184,080	\$ 200,585	\$ 207,620	\$ 146,992	\$ 119,144	\$ 105,428	\$ 125,772	\$ 204,936	\$ 2,475,928	
105	Term Index Price Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,738	\$ 62,534	\$ 666,818	\$ 467,661	\$ 304,880	\$ 422,876	\$ 1,931,506	
106	Term Index Price Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
107	Spot Purchases	\$ 2,988,764	\$ 2,849,940	\$ 1,824,979	\$ 1,522,716	\$ 2,115,775	\$ 2,172,512	\$ 2,776,533	\$ 1,177,886	\$ 632,067	\$ 625,130	\$ 818,642	\$ 1,992,064	\$ 21,497,009	
108	Spot Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
109	Revenue Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
110	Imbalance, Current Month Estimate	\$ (387,331)	\$ (391,450)	\$ (166,349)	\$ (295,060)	\$ 223,674	\$ 200,377	\$ (383,362)	\$ (333,221)	\$ (93,664)	\$ (102,255)	\$ (140,059)	\$ 119,396	\$ (1,749,304)	
111	Imbalance, Prior Months True-up	\$ 260,313	\$ 374,389	\$ 324,851	\$ 182,447	\$ (17,644)	\$ 221,853	\$ 95,877	\$ 116,374	\$ 197,219	\$ 68,046	\$ 24,072	\$ (69)	\$ 1,847,728	
112	Imbalance, Accounting & BA Expense	\$ (596,996)	\$ (787,651)	\$ (587,902)	\$ (566,329)	\$ (144,477)	\$ (616,796)	\$ (273,875)	\$ (378,310)	\$ (280,630)	\$ (199,433)	\$ (180,309)	\$ (45,351)	\$ (4,658,058)	
113															
114	Ancillary and Other														
115	Basin Creek Fixed Costs	\$ 466,155	\$ 466,155	\$ 466,155	\$ 466,155	\$ 790,422	\$ 469,715	\$ 335,083	\$ 467,375	\$ 467,375	\$ 467,375	\$ 791,642	\$ 467,375	\$ 6,120,983	
116	Basin Creek Variable Costs	\$ 244,994	\$ 213,086	\$ 195,367	\$ 244,374	\$ 229,806	\$ 262,875	\$ 280,048	\$ 133,725	\$ 81,933	\$ 119,798	\$ 187,087	\$ 151,180	\$ 2,344,272	
117	Operating Reserves	\$ 36,054	\$ 106,182	\$ 70,312	\$ -	\$ 160	\$ -	\$ 1,768	\$ -	\$ -	\$ -	\$ 2,518	\$ 596	\$ 217,590	
118	Wind Other Cost	\$ 16,901	\$ 337	\$ 4,290	\$ 17,284	\$ 823,842	\$ 4,220	\$ 31,030	\$ 359	\$ 35,743	\$ 3,002	\$ 820,515	\$ 22,186	\$ 1,779,708	
119	DSM Program & Labor Costs	\$ 541,526	\$ 420,543	\$ 449,896	\$ 524,426	\$ 795,177	\$ 439,326	\$ 108,943	\$ 502,477	\$ 453,610	\$ 334,827	\$ 991,403	\$ 489,382	\$ 6,051,538	
120	T & D Lost Revenue	\$ 755,646	\$ 755,646	\$ 755,646	\$ 755,646	\$ 755,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (61,947)	\$ -	\$ 3,716,283	
121	T & D Lost Revenue Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (19,279)	\$ -	\$ (19,279)	
122															
123	Total Delivered Supply	\$ 12,835,603	\$ 12,003,549	\$ 10,915,436	\$ 11,351,303	\$ 14,808,099	\$ 13,136,297	\$ 12,270,324	\$ 11,710,670	\$ 12,225,989	\$ 10,365,351	\$ 11,931,767	\$ 12,096,729	\$ 145,651,118	
124	Wind Other Cost includes: Judith Gap impact fees and property tax charges, consulting work on met towers, 3 TIER forecasting fees, electric service at met towers, and WREGIS charges.														

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Electric Supply Cost Tracker														
2	Electric Tracker Projection														
3															
125	Electric Tracker Projection Excluding Generation Assets Cost of Service														
126	Unit Costs														
127															
128	Energy Supply Unit Costs	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total	
129		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
130	Off System Transactions														
131	Fixed Price														
132	Base Fixed Price Purchases														
133	Competitive Solicitations	\$ 58.73	\$ 58.73	\$ 58.74	\$ 58.67	\$ 58.82	\$ 58.73	\$ 58.80	\$ 58.68	\$ 58.66	\$ 58.67	\$ 58.80	\$ 58.67	\$ 58.73	
134	Base Fixed Price Sales														
135	Competitive Solicitations	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
136	Term Fixed Price Purchases	\$ 36.11	\$ 36.11	\$ 36.08	\$ 36.32	\$ 35.86	\$ 36.11	\$ 38.06	\$ 38.40	\$ 38.46	\$ 38.42	\$ 38.06	\$ 38.42	\$ 37.02	
137	Term Fixed Price Sales	\$ 38.25	\$ 39.35	\$ 31.08	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	\$ 36.65	
138	Index Price														
139	Base Index Price Purchases														
140	Base Index Price Sales														
141	Competitive Solicitations	\$ 40.20	\$ 31.50	\$ 26.98	\$ 23.13	\$ 21.18	\$ 21.34	\$ 22.76	\$ 16.70	\$ 13.03	\$ 12.14	\$ 14.58	\$ 21.71	\$ 22.11	
142	Term Index Price Purchases														
143	Term Index Price Sales	\$ 36.11	\$ 25.33	\$ 25.81	\$ 22.64	\$ 20.68	\$ 20.57	\$ 22.42	\$ 16.36	\$ 11.90	\$ 10.24	\$ 13.03	\$ 19.79	\$ 19.87	
144	Spot Purchases														
145	Spot Sales														
146															
147	On System Transactions														
148	Fixed Price														
149	Rate-Based Assets														
150	Colstrip Unit 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
151	Dave Gates Generating Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
152	Spion Kop	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
153	Hydro Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
154															
155	Base Fixed Price Purchases														
156	Judith Gap	\$ 30.43	\$ 34.45	\$ 34.57	\$ 30.51	\$ 32.35	\$ 33.05	\$ 33.01	\$ 33.16	\$ 30.67	\$ 23.34	\$ 23.34	\$ 23.24	\$ 30.51	
157	Other Non-QF														
158	Competitive Solicitations	\$ 65.93	\$ 54.26	\$ 65.34	\$ 64.37	\$ 36.89	\$ 36.05	\$ 36.34	\$ 39.10	\$ 36.79	\$ 36.79	\$ 46.53	\$ 43.48	\$ 43.51	
159	QF Tier II														
160	QF Tier II Adjustments	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	\$ 54.03	
161	QF Tier II	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 38.80	\$ 29.16	\$ 47.84	\$ 38.47	
162	QF-1 Tariff Contracts														
163	QF-1 Tariff Contracts	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	\$ n/a	
164	Term Fixed Price Purchases														
165	Term Fixed Price Purchases	\$ 68.00	\$ 68.43	\$ 62.38	\$ 62.39	\$ 62.26	\$ 67.97	\$ 66.55	\$ 66.40	\$ 61.69	\$ 60.88	\$ 60.51	\$ 60.09	\$ 64.13	
166	Term Fixed Price Sales														
167	Term Fixed Price Sales	\$ 40.00	\$ 40.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	\$ 40.00	
168	Index Price														
169	Base Index Price Purchases														
170	Competitive Solicitations	\$ 38.20	\$ 29.50	\$ 24.98	\$ 21.13	\$ 19.18	\$ 19.34	\$ 20.76	\$ 14.70	\$ 11.03	\$ 10.14	\$ 12.58	\$ 19.71	\$ 20.11	
171	Term Index Price Purchases														
172	Term Index Price Purchases	n/a	n/a	n/a	n/a	n/a	n/a	\$ 3.59	\$ 10.64	\$ 14.21	\$ 12.33	\$ 14.89	\$ 21.20	\$ 14.52	
173	Term Index Price Sales														
174	Term Index Price Sales	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
175	Spot Purchases														
176	Spot Purchases	\$ 32.44	\$ 28.62	\$ 24.71	\$ 23.07	\$ 23.98	\$ 21.46	\$ 23.08	\$ 15.88	\$ 9.80	\$ 10.09	\$ 13.66	\$ 22.94	\$ 21.74	
177	Spot Sales														
178	Spot Sales	\$ 30.89	\$ 35.11	\$ 33.83	\$ 31.65	\$ 28.95	\$ 16.89	\$ 15.65	\$ 14.54	\$ 26.21	\$ 28.24	\$ 27.12	\$ 30.12	\$ 28.28	
179	Revenue Credits														
180	Imbalance, Current Month Estimate														
181	Imbalance, Current Month Estimate	\$ (25.37)	\$ (24.62)	\$ (23.78)	\$ (22.39)	\$ (21.59)	\$ (20.15)	\$ (21.04)	\$ (16.16)	\$ (10.76)	\$ (10.85)	\$ (14.31)	\$ (18.36)	\$ (19.16)	
182	Imbalance, Prior Months True-up														
183	Imbalance, Prior Months True-up	\$ (25.14)	\$ (76.12)	\$ (25.96)	\$ (27.38)	\$ (9.85)	\$ (23.31)	\$ (300.82)	\$ (25.73)	\$ (23.09)	\$ (17.06)	\$ (11.02)	\$ (0.07)	\$ (30.40)	
184	Imbalance, Accounting & BA Expense														
185															
186	Ancillary and Other														
187	Basin Creek Fixed Costs														
188	Basin Creek Fixed Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
189	Basin Creek Variable Costs														
190	Basin Creek Variable Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
191	Operating Reserves														
192	Operating Reserves	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
193	Wind Other Cost														
194	Wind Other Cost	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
195	DSM Program & Labor Costs														
196	DSM Program & Labor Costs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
197	T & D Lost Revenue														
198	T & D Lost Revenue	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
199	T & D Lost Revenue Adjustment														
200	T & D Lost Revenue Adjustment	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
201															
202	Total Delivered Supply	\$ 21.32	\$ 20.79	\$ 22.15	\$ 22.46	\$ 28.02	\$ 22.87	\$ 19.48	\$ 21.16	\$ 23.01	\$ 20.92	\$ 22.91	\$ 22.52	\$ 22.24	
203															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Colstrip Unit 4 Generation Asset Component															
2																
3																
4	Colstrip Unit 4 Fixed Cost Revenue Requirement -- Per Final Order 6925f															
5	Colstrip 4 Plant In Service															
6	Electric Generation Plant		\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 33,916,667	\$ 407,000,000
7	Accumulated Depreciation (Book Life 34 Yrs)		\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (997,549)	\$ (11,970,588)
8	Deferred Income Taxes		\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (96,014)	\$ (1,152,169)
9	Total Year End Rate Base		\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 32,823,104	\$ 393,877,243
10																
11	Average Annual Rate-Base		\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 33,369,885	\$ 400,438,621
12																
13	Fixed Return (Avg Rate-Base * Cost of Capital)	8.25%	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 2,753,016	\$ 33,036,186
14																
15	Fixed Cost of Service															
16	Steam Power Generation Operation		\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 739,512	\$ 8,874,144
17	Purchase Power		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Administrative and General Expenses		\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 247,388	\$ 2,968,654
19	Depreciation		\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 997,549	\$ 11,970,588
20	Property Taxes		\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 202,622	\$ 2,431,458
21	Taxes Other than Income		\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 44,086	\$ 529,037
22	MCC/MPSC Taxes	0.45%	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 19,576	\$ 234,907
23	Deferred Income Taxes		\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 96,014	\$ 1,152,169
24	Current Income Taxes		\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 968,357	\$ 11,620,288
25	Miscellaneous Revenues (Rent)		\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (5,991)	\$ (71,887)
26	Fixed Cost of Service		\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 3,309,113	\$ 39,709,358
27																
28	Total CU4 Fixed Cost Revenue Requirement		\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 6,062,129	\$ 72,745,544
29																
30																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
31	Colstrip Unit 4 Generation Asset Component																
32																	
33				Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total	
34	Colstrip Unit 4 Variable Cost																
35	Total Forecast Sales																
36				529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240	5,899,194	
37				\$ 4,7820	\$ 4,7820	\$ 4,7820	\$ 4,7820	\$ 4,7820	\$ 4,0765	\$ 4,1901	\$ 4,1901	\$ 4,1901	\$ 4,1901	\$ 4,1901	\$ 4,1901		
38				\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)	\$ (0.6165)		
39																	
40	Colstrip Unit 4 Variable Cost Revenues																
41				\$ 2,531,458	\$ 2,534,861	\$ 2,361,047	\$ 2,131,770	\$ 2,114,539	\$ 2,178,224	\$ 2,436,710	\$ 2,156,301	\$ 1,968,792	\$ 1,957,813	\$ 1,829,899	\$ 1,904,048	\$ 26,105,462	
42																	
43				\$ 2,531,458	\$ 2,534,861	\$ 2,361,047	\$ 2,131,770	\$ 2,114,539	\$ 2,178,224	\$ 2,436,710	\$ 2,156,301	\$ 1,968,792	\$ 1,957,813	\$ 1,829,899	\$ 1,904,048	\$ 26,105,462	
44				\$ (326,833)	\$ (327,271)	\$ (304,830)	\$ (275,227)	\$ (273,001)	\$ (330,016)	\$ (359,089)	\$ (317,763)	\$ (290,130)	\$ (288,512)	\$ (269,662)	\$ (280,590)	\$ (3,642,922)	
45				\$ 2,204,625	\$ 2,207,590	\$ 2,056,217	\$ 1,856,543	\$ 1,841,538	\$ 1,848,208	\$ 2,077,621	\$ 1,838,538	\$ 1,678,662	\$ 1,669,302	\$ 1,560,237	\$ 1,623,459	\$ 22,462,540	
46																	
47				\$ 2,202,820	\$ 2,090,891	\$ 2,227,775	\$ 1,685,963	\$ 2,036,745	\$ 1,873,296	\$ 1,954,970	\$ 1,781,429	\$ 1,493,706	\$ 1,090,742	\$ 838,587	\$ 1,223,982	\$ 20,500,907	
48																	
49				\$ (4,047)	\$ (4,047)	\$ (4,047)	\$ (4,047)	\$ (4,047)	\$ (4,047)	\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ 52,478	\$ 290,582	
50																	
51				\$ 371,375	\$ 371,375	\$ 371,375	\$ 371,375	\$ 371,375	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (15,750)	\$ -	\$ 1,841,127	
52				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,162)	\$ -	\$ (5,162)	
53																	
54				\$ (89,080)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (89,080)	
55																	
56				\$ 2,481,068	\$ 2,458,219	\$ 2,595,103	\$ 2,053,291	\$ 2,404,073	\$ 1,869,249	\$ 2,007,448	\$ 1,833,906	\$ 1,546,183	\$ 1,143,220	\$ 870,153	\$ 1,276,460	\$ 22,538,375	
57																	
58																	
59	Carrying Cost Expense																
60				7.92%	\$ (19,526)	\$ (17,992)	\$ (14,533)	\$ (13,323)	\$ (9,676)	\$ (9,601)	\$ (10,131)	\$ (10,229)	\$ (11,176)	\$ (14,744)	\$ (19,423)	\$ (21,856)	\$ (172,210)
61																	
62				\$ 2,461,542	\$ 2,440,228	\$ 2,580,570	\$ 2,039,968	\$ 2,394,396	\$ 1,859,648	\$ 1,997,318	\$ 1,823,678	\$ 1,535,007	\$ 1,128,477	\$ 850,729	\$ 1,254,604	\$ 22,366,164	
63																	
64				\$ (326,833)	\$ (327,271)	\$ (304,830)	\$ (275,227)	\$ (273,001)	\$ (330,016)	\$ (359,089)	\$ (317,763)	\$ (290,130)	\$ (288,512)	\$ (269,662)	\$ (280,590)	\$ (3,642,922)	
65				\$ 69,916	\$ 94,633	\$ (219,524)	\$ 91,802	\$ (279,857)	\$ 318,577	\$ 439,392	\$ 332,624	\$ 433,785	\$ 829,337	\$ 979,169	\$ 649,445	\$ 3,739,298	
66				\$ 69,916	\$ 164,549	\$ (54,975)	\$ 36,827	\$ (243,030)	\$ 75,546	\$ 514,938	\$ 847,562	\$ 1,281,347	\$ 2,110,684	\$ 3,089,853	\$ 3,739,298		
67																	
68	Variable Rate-Base Deferred																
69				\$ (3,217,209)	\$ (2,960,292)	\$ (2,727,655)	\$ (2,203,301)	\$ (2,019,876)	\$ (1,467,018)	\$ (1,455,578)	\$ (1,535,881)	\$ (1,550,742)	\$ (1,694,397)	\$ (2,235,222)	\$ (2,944,730)		
70				\$ 256,917	\$ 232,638	\$ 524,353	\$ 183,425	\$ 552,859	\$ 11,440	\$ (80,303)	\$ (14,861)	\$ (143,655)	\$ (540,825)	\$ (709,507)	\$ (368,855)		
71				\$ (2,960,292)	\$ (2,727,655)	\$ (2,203,301)	\$ (2,019,876)	\$ (1,467,018)	\$ (1,455,578)	\$ (1,535,881)	\$ (1,550,742)	\$ (1,694,397)	\$ (2,235,222)	\$ (2,944,730)	\$ (3,313,584)		
72																	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P			
1	Dave Gates Generating Station at Mill Creek Asset Component																	
2			Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total			
3			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual				
4	Dave Gates Generating Station Fixed Cost Revenue Requirement -- Per Order 6943e																	
5	DGGS Plant In Service																	
6	Electric Generation Plant	\$	15,211,469	\$	15,211,469	\$	15,211,469	\$	15,211,469	\$	15,211,469	\$	15,211,469	\$	15,211,469	\$	182,537,625	
7	Accumulated Depreciation (Book Life 30 Yrs)	\$	(746,157)	\$	(746,157)	\$	(746,157)	\$	(746,157)	\$	(746,157)	\$	(746,157)	\$	(746,157)	\$	(8,953,885)	
8	DGGS Project Costs	\$	19,310	\$	19,310	\$	19,310	\$	19,310	\$	19,310	\$	19,310	\$	19,310	\$	231,716	
9	Customer Contributed Capital	\$	(259,613)	\$	(259,613)	\$	(259,613)	\$	(259,613)	\$	(259,613)	\$	(259,613)	\$	(259,613)	\$	(3,115,352)	
10	Working Capital	\$	165,045	\$	165,045	\$	165,045	\$	165,045	\$	165,045	\$	165,045	\$	165,045	\$	1,980,537	
11	Total Year End Rate Base	\$	14,390,053	\$	14,390,053	\$	14,390,053	\$	14,390,053	\$	14,390,053	\$	14,390,053	\$	14,390,053	\$	172,680,641	
12																		
13	Fixed Return (Avg RB * Cost of Capital)	8.16%	\$	1,174,228	\$	1,174,228	\$	1,174,228	\$	1,174,228	\$	1,174,228	\$	1,174,228	\$	1,174,228	\$	14,090,740
14																		
15	Fixed Cost of Service																	
16	Operation & Maintenance Expenses	\$	404,115	\$	404,115	\$	404,115	\$	404,115	\$	404,115	\$	404,115	\$	404,115	\$	4,849,385	
17	Depreciation	\$	497,438	\$	497,438	\$	497,438	\$	497,438	\$	497,438	\$	497,438	\$	497,438	\$	5,969,257	
18	Amortization of DGGS Project Cost	\$	12,873	\$	12,873	\$	12,873	\$	12,873	\$	12,873	\$	12,873	\$	12,873	\$	154,477	
19	Property Taxes	\$	317,018	\$	317,018	\$	317,018	\$	317,018	\$	317,018	\$	317,018	\$	317,018	\$	3,804,214	
20	MPSC & MCC Revenue Tax	\$	10,424	\$	10,424	\$	10,424	\$	10,424	\$	10,424	\$	10,424	\$	10,424	\$	125,086	
21	Deferred Income Taxes	\$	525,000	\$	525,000	\$	525,000	\$	525,000	\$	525,000	\$	525,000	\$	525,000	\$	6,300,004	
22	Current Income Taxes	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
23	Fixed Cost of Service	\$	1,766,869	\$	1,766,869	\$	1,766,869	\$	1,766,869	\$	1,766,869	\$	1,766,869	\$	1,766,869	\$	21,202,423	
24																		
25	Subtotal Fixed Cost Revenue Requirement	\$	2,941,097	\$	2,941,097	\$	2,941,097	\$	2,941,097	\$	2,941,097	\$	2,941,097	\$	2,941,097	\$	35,293,163	
26																		
27	Less: Transmission Service @ 20%	\$	(588,219)	\$	(588,219)	\$	(588,219)	\$	(588,219)	\$	(588,219)	\$	(588,219)	\$	(588,219)	\$	(7,058,633)	
28																		
29	DGGS Fixed Cost Allocation	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	28,234,531	
30																		
31																		
32	Total DGGS Fixed Cost Revenue Requirement	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	2,352,878	\$	28,234,531	
33																		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
34	Dave Gates Generating Station at Mill Creek Asset Component														
35		Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16		Total
36		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
37	Dave Gates Generating Station at Mill Creek Variable Cost														
38	Total Forecast Sales														
39	Tracker Sales MWh	529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240		5,899,194
40	DGGS Cost	\$ 1,3561	\$ 1,3561	\$ 1,3561	\$ 1,3561	\$ 1,3561	\$ 1,1618	\$ 1,1536	\$ 1,1536	\$ 1,1536	\$ 1,1536	\$ 1,1536	\$ 1,1536		
41	Prior Year Deferred Expense	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287	\$ 0.1287		
42															
43	DGGS Variable Cost Revenues														
44	NWE DGGS Revenues	\$ 718,007	\$ 718,973	\$ 669,674	\$ 604,643	\$ 599,756	\$ 620,720	\$ 670,695	\$ 593,514	\$ 541,902	\$ 538,879	\$ 503,672	\$ 524,082	\$ 7,304,518	
45	Prior Year(s) Deferred Expense	\$ 68,035	\$ 68,128	\$ 63,459	\$ 57,300	\$ 56,838	\$ 68,700	\$ 74,749	\$ 66,148	\$ 60,397	\$ 60,060	\$ 56,136	\$ 58,409	\$ 758,360	
46	Total Revenue	\$ 786,043	\$ 787,101	\$ 733,132	\$ 661,943	\$ 656,594	\$ 689,420	\$ 745,444	\$ 659,662	\$ 602,299	\$ 598,940	\$ 559,808	\$ 582,491	\$ 8,062,878	
47															
48	DGGS Fuel Cost														
49	DGGS Fuel Cost	\$ 1,264,317	\$ 1,351,040	\$ 1,279,853	\$ 1,251,647	\$ 1,077,212	\$ 1,002,065	\$ 942,948	\$ 726,164	\$ 576,891	\$ 392,847	\$ 411,875	\$ 486,210	\$ 10,763,070	
50	DGGS Fuel Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
51	Less: Energy Supply Cost (7 MW)	\$ (95,723)	\$ (91,921)	\$ (84,218)	\$ (80,880)	\$ (81,245)	\$ (68,485)	\$ (73,954)	\$ (42,045)	\$ (17,082)	\$ (19,051)	\$ (42,549)	\$ (70,913)	\$ (768,067)	
52	Subtotal	\$ 1,168,594	\$ 1,259,119	\$ 1,195,635	\$ 1,170,766	\$ 995,967	\$ 933,580	\$ 868,995	\$ 684,119	\$ 559,808	\$ 373,796	\$ 369,326	\$ 415,297	\$ 9,995,002	
53	Less: Transmission Service @ 20%	\$ (233,719)	\$ (251,824)	\$ (239,127)	\$ (234,153)	\$ (199,193)	\$ (186,716)	\$ (173,799)	\$ (136,824)	\$ (111,962)	\$ (74,759)	\$ (73,865)	\$ (83,059)	\$ (1,999,000)	
54	MPSC-Related Supply Cost	\$ 934,875	\$ 1,007,295	\$ 956,508	\$ 936,613	\$ 796,774	\$ 746,864	\$ 695,196	\$ 547,295	\$ 447,847	\$ 299,037	\$ 295,460	\$ 332,238	\$ 7,996,002	
55	Energy Supply Cost (7 MW)	\$ 95,723	\$ 91,921	\$ 84,218	\$ 80,880	\$ 81,245	\$ 68,485	\$ 73,954	\$ 42,045	\$ 17,082	\$ 19,051	\$ 42,549	\$ 70,913	\$ 768,067	
56	Subtotal MPSC-Related Fuel Cost	\$ 1,030,598	\$ 1,099,216	\$ 1,040,726	\$ 1,017,493	\$ 878,018	\$ 815,349	\$ 769,149	\$ 589,341	\$ 464,929	\$ 318,088	\$ 338,010	\$ 403,150	\$ 8,764,069	
57															
58	Regulation Contracts														
59	Capacity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
60	Energy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
61	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
62	Less: Transmission Service @ 20%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
63	Subtotal MPSC-Related Regulation Contract Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
64															
65	DGGS Fuel Cost Allocation	\$ 1,030,598	\$ 1,099,216	\$ 1,040,726	\$ 1,017,493	\$ 878,018	\$ 815,349	\$ 769,149	\$ 589,341	\$ 464,929	\$ 318,088	\$ 338,010	\$ 403,150	\$ 8,764,069	
66															
67	DGGS Revenue Credits														
68	Revenue Credits (27 MW Supply/Tran)	\$ (578,185)	\$ (600,184)	\$ (537,584)	\$ (546,205)	\$ (466,933)	\$ (416,225)	\$ (369,487)	\$ (199,839)	\$ (62,182)	\$ (52,412)	\$ (124,261)	\$ (197,566)	\$ (4,151,064)	
69	Less: Transmission Service @ 20%	\$ 115,637	\$ 120,037	\$ 107,517	\$ 109,241	\$ 93,387	\$ 83,245	\$ 73,897	\$ 39,968	\$ 12,436	\$ 10,482	\$ 24,852	\$ 39,513	\$ 830,213	
70	Subtotal MPSC-Related Revenue Credits	\$ (462,548)	\$ (480,147)	\$ (430,067)	\$ (436,964)	\$ (373,546)	\$ (332,980)	\$ (295,589)	\$ (159,871)	\$ (49,746)	\$ (41,930)	\$ (99,409)	\$ (158,053)	\$ (3,320,851)	
71															
72	Regulation Contracts Revenue Credits														
73	Revenue Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
74	Less: Transmission Service @ 20%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
75	Subtotal MPSC-Related Revenue Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
76															
77	DGGS Revenue Credit Allocation	\$ (462,548)	\$ (480,147)	\$ (430,067)	\$ (436,964)	\$ (373,546)	\$ (332,980)	\$ (295,589)	\$ (159,871)	\$ (49,746)	\$ (41,930)	\$ (99,409)	\$ (158,053)	\$ (3,320,851)	
78															
79	Incremental Property Tax Adjustment	\$ 5,829	\$ 5,829	\$ 5,829	\$ 5,829	\$ 5,829	\$ 5,829	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 1,579	\$ 44,447	
80															
81	Lost Revenue	\$ 102,652	\$ 102,652	\$ 102,652	\$ 102,652	\$ 102,652	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,050)	\$ -	\$ 506,210	
82	Lost Revenue Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,944)	\$ -	\$ (1,944)	
83															
84	MPSC/MCC Tax Adjustment	\$ 15,904	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,904	
85															
86	Subtotal DGGS Variable Cost Allocation	\$ 692,435	\$ 727,550	\$ 719,140	\$ 689,010	\$ 612,952	\$ 488,198	\$ 475,139	\$ 431,049	\$ 416,762	\$ 277,738	\$ 231,186	\$ 246,677	\$ 6,007,835	
87															
88	Carrying Cost Expense														
89	Carrying Costs	7.92%	\$ 2,139	\$ 1,758	\$ 1,676	\$ 1,867	\$ 1,590	\$ 264	\$ (1,529)	\$ (3,057)	\$ (4,309)	\$ (6,470)	\$ (8,695)	\$ (10,983)	\$ (25,748)
90															
91	Total DGGS Variable Cost Allocation	\$ 694,573	\$ 729,307	\$ 720,816	\$ 690,877	\$ 614,542	\$ 488,462	\$ 473,611	\$ 427,992	\$ 412,453	\$ 271,267	\$ 222,491	\$ 235,694	\$ 5,982,087	
92															
93	Deferred Cost Amortization (Under)/Over	\$ 68,035	\$ 68,128	\$ 63,459	\$ 57,300	\$ 56,838	\$ 68,700	\$ 74,749	\$ 66,148	\$ 60,397	\$ 60,060	\$ 56,136	\$ 58,409	\$ 758,360	
94	Monthly Deferred Cost	\$ 23,434	\$ (10,335)	\$ (51,143)	\$ (86,234)	\$ (14,786)	\$ 132,258	\$ 197,085	\$ 165,522	\$ 129,448	\$ 267,612	\$ 281,181	\$ 288,389	\$ 1,322,432	
95	Cumulative Deferred Cost	\$ 23,434	\$ 13,099	\$ (38,043)	\$ (124,277)	\$ (139,063)	\$ (6,805)	\$ 190,280	\$ 355,802	\$ 485,250	\$ 752,862	\$ 1,034,043	\$ 1,322,432		
96															
97	Variable Rate Base Deferred														
98	Beginning Balance	\$ 415,737	\$ 324,268	\$ 266,474	\$ 254,158	\$ 283,092	\$ 241,041	\$ 40,082	\$ (231,751)	\$ (463,421)	\$ (653,267)	\$ (980,939)	\$ (1,318,257)		
99	Monthly Deferred Cost	\$ (91,469)	\$ (57,794)	\$ (12,316)	\$ 28,934	\$ (42,051)	\$ (200,958)	\$ (271,834)	\$ (231,670)	\$ (189,845)	\$ (327,672)	\$ (337,318)	\$ (346,798)		
100	Ending Balance Under/(Over)	\$ 324,268	\$ 266,474	\$ 254,158	\$ 283,092	\$ 241,041	\$ 40,082	\$ (231,751)	\$ (463,421)	\$ (653,267)	\$ (980,939)	\$ (1,318,257)	\$ (1,665,055)		

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Spion Kop Asset Component														
2			Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total
3			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
4	Spion Kop Fixed Cost Revenue Requirement -- Per Order 71591														
5	Spion Kop Plant In Service														
6	Electric Generation Plant		\$ 6,991,746	\$ 6,991,746	\$ 6,991,746	\$ 6,991,746	\$ 6,991,746	\$ 6,991,746	\$ 6,991,746	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 7,001,504	\$ 83,959,501
7	Accumulated Depreciation		\$ (417,011)	\$ (417,011)	\$ (417,011)	\$ (417,011)	\$ (417,011)	\$ (417,011)	\$ (417,011)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (968,262)	\$ (8,311,637)
8	Total Net Plant		\$ 6,574,735	\$ 6,574,735	\$ 6,574,735	\$ 6,574,735	\$ 6,574,735	\$ 6,574,735	\$ 6,574,735	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 6,033,242	\$ 75,647,864
9															
10	Accelerated Tax Depreciation		\$ 1,510,502	\$ 1,510,502	\$ 1,510,502	\$ 1,510,502	\$ 1,510,502	\$ 1,510,502	\$ 1,510,502	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 1,952,917	\$ 20,780,516
11	NOL Deferred Tax Asset		\$ (1,745,968)	\$ (1,745,968)	\$ (1,745,968)	\$ (1,745,968)	\$ (1,745,968)	\$ (1,745,968)	\$ (1,745,968)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (1,953,554)	\$ (22,197,134)
12	Total Customer Contributed Capital		\$ (235,466)	\$ (235,466)	\$ (235,466)	\$ (235,466)	\$ (235,466)	\$ (235,466)	\$ (235,466)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (637)	\$ (1,416,618)
13															
14	Total Year End Rate Base		\$ 6,810,201	\$ 6,810,201	\$ 6,810,201	\$ 6,810,201	\$ 6,810,201	\$ 6,810,201	\$ 6,810,201	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 6,033,879	\$ 77,064,482
15															
16	Fixed Return (Avg RB * Cost of Capital)	7.00%	\$ 476,714	\$ 476,714	\$ 476,714	\$ 476,714	\$ 476,714	\$ 476,714	\$ 476,714	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 422,372	\$ 5,394,514
17															
18	Fixed Cost of Service														
19	Operation & Maintenance Turbine Expense		\$ 145,208	\$ 145,208	\$ 145,208	\$ 145,208	\$ 145,208	\$ 145,208	\$ 145,208	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 206,100	\$ 2,107,851
20	Landowner Maintenance Expense		\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000
21	Landowner Right of Way Expense		\$ 1,023	\$ 1,023	\$ 1,023	\$ 1,023	\$ 1,023	\$ 1,023	\$ 1,023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,140
22	Royalty Fee		\$ 15,543	\$ 15,543	\$ 15,543	\$ 15,543	\$ 15,543	\$ 15,543	\$ 15,543	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 93,261
23	Administrative and General Expense		\$ 19,750	\$ 19,750	\$ 19,750	\$ 19,750	\$ 19,750	\$ 19,750	\$ 19,750	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 7,771	\$ 165,125
24	Depreciation		\$ 278,007	\$ 278,007	\$ 278,007	\$ 278,007	\$ 278,007	\$ 278,007	\$ 278,007	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 278,933	\$ 3,341,634
25	Wind Generation Facility Impact Fee		\$ 13,110	\$ 13,110	\$ 13,110	\$ 13,110	\$ 13,110	\$ 13,110	\$ 13,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,657
26	Property & Other Taxes		\$ 36,650	\$ 36,650	\$ 36,650	\$ 36,650	\$ 36,650	\$ 36,650	\$ 36,650	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 27,421	\$ 384,423
27	MPSC & MCC Revenue Tax	0.53%	\$ 3,849	\$ 3,849	\$ 3,849	\$ 3,849	\$ 3,849	\$ 3,849	\$ 3,849	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 1,994	\$ 35,058
28	Deferred Income Taxes		\$ (11,626)	\$ (11,626)	\$ (11,626)	\$ (11,626)	\$ (11,626)	\$ (11,626)	\$ (11,626)	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ 7,478	\$ (24,886)
29	Current Income Taxes		\$ (253,000)	\$ (253,000)	\$ (253,000)	\$ (253,000)	\$ (253,000)	\$ (253,000)	\$ (253,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,012,000)
30	Fixed Cost of Service		\$ 249,514	\$ 249,514	\$ 249,514	\$ 249,514	\$ 249,514	\$ 249,514	\$ 249,514	\$ 502,514	\$ 502,514	\$ 529,697	\$ 529,697	\$ 529,697	\$ 5,181,263
31															
32	Total Spion Kop Fixed Cost Revenue Requirement		\$ 726,228	\$ 726,228	\$ 726,228	\$ 726,228	\$ 726,228	\$ 726,228	\$ 726,228	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 952,068	\$ 10,575,777
33															

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
34	Spion Kop Asset Component														
35			Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jan-00
36			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
37	Spion Kop Variable Cost														
38	Total Forecast Sales														
39	Tracker Sales MWh		529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240	5,899,194
40	Spion Kop Cost	\$	0.0185	\$ 0.0185	\$ 0.0185	\$ 0.0185	\$ 0.0185	\$ 0.0185	\$ 0.0185	\$ (0.5227)	\$ (0.5227)	\$ (0.5227)	\$ (0.5227)	\$ (0.5227)	\$ (0.5227)
41	Prior Year Deferred Expense	\$	(0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)	\$ (0.0023)
42															
43	Spion Kop Variable Cost Revenues														
44	Spion Kop Revenue/ Revenue Credit	\$	9,523	\$ 9,537	\$ 8,885	\$ 8,026	\$ (215,356)	\$ (281,091)	\$ (304,086)	\$ (269,093)	\$ (245,693)	\$ (244,323)	\$ (228,360)	\$ (237,613)	\$ (1,989,645)
45															
46	Subtotal	\$	9,523	\$ 9,537	\$ 8,885	\$ 8,026	\$ (215,356)	\$ (281,091)	\$ (304,086)	\$ (269,093)	\$ (245,693)	\$ (244,323)	\$ (228,360)	\$ (237,613)	\$ (1,989,645)
47	Prior Year(s) Deferred Expense	\$	(1,058)	\$ (1,060)	\$ (987)	\$ (892)	\$ (885)	\$ (1,068)	\$ (1,162)	\$ (1,029)	\$ (939)	\$ (934)	\$ (873)	\$ (908)	\$ (11,795)
48	Total Revenue Credits	\$	8,465	\$ 8,477	\$ 7,898	\$ 7,134	\$ (216,241)	\$ (282,159)	\$ (305,248)	\$ (270,122)	\$ (246,633)	\$ (245,257)	\$ (229,233)	\$ (238,521)	\$ (2,001,440)
49															
50	Incremental Property Tax Adjustment	\$	(9,688)	\$ (9,688)	\$ (9,688)	\$ (9,688)	\$ (9,688)	\$ (9,688)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (8,037)	\$ (106,346)
51															
52	Production Tax Credits	\$	-	\$ -	\$ -	\$ -	\$ (291,016)	\$ (330,890)	\$ (307,406)	\$ (399,629)	\$ (315,634)	\$ (186,932)	\$ (190,730)	\$ (175,772)	\$ (2,198,007)
53	Production Tax Credit Adjustment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,705)	\$ (465,600)	\$ (467,305)
54															
55	Lost Revenue	\$	19,024	\$ 19,024	\$ 19,024	\$ 19,024	\$ 19,024	\$ 19,024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,821	\$ 98,942
56	Lost Revenue Adjustment	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (591)	\$ (591)
57															
58	MPSC/MCC Tax adjustment	\$	(14,725)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (14,725)
59															
60	Subtotal Spion Kop Variable Cost	\$	(5,388)	\$ 9,337	\$ 9,337	\$ 9,337	\$ (281,679)	\$ (340,578)	\$ (315,443)	\$ (407,666)	\$ (323,670)	\$ (194,968)	\$ (200,471)	\$ (646,179)	\$ (2,688,032)
61															
62	Carrying Cost Expense														
63	Carrying Costs	7.92%	\$ (178)	\$ (174)	\$ (165)	\$ (152)	\$ (587)	\$ (979)	\$ (1,053)	\$ (1,973)	\$ (2,498)	\$ (2,181)	\$ (2,004)	\$ (4,724)	\$ (16,668)
64															
65	Total Variable Costs	\$	(5,566)	\$ 9,163	\$ 9,171	\$ 9,185	\$ (282,266)	\$ (341,556)	\$ (316,496)	\$ (409,639)	\$ (326,168)	\$ (197,149)	\$ (202,475)	\$ (650,903)	\$ (2,704,700)
66															
67	Deferred Cost Amortization (Under)/Over	\$	(1,058)	\$ (1,060)	\$ (987)	\$ (892)	\$ (885)	\$ (1,068)	\$ (1,162)	\$ (1,029)	\$ (939)	\$ (934)	\$ (873)	\$ (908)	\$ (11,795)
68	Monthly Deferred Cost	\$	15,089	\$ 374	\$ (287)	\$ (1,159)	\$ 66,910	\$ 60,466	\$ 12,410	\$ 140,546	\$ 80,475	\$ (47,174)	\$ (25,885)	\$ 413,290	\$ 715,055
69	Cumulative Deferred Cost	\$	15,089	\$ 15,463	\$ 15,176	\$ 14,017	\$ 80,927	\$ 141,393	\$ 153,802	\$ 294,349	\$ 374,824	\$ 327,650	\$ 301,765	\$ 715,055	
70															
71	Variable Rate-Base Deferred														
72	Beginning Balance	\$	(12,967)	\$ (26,997)	\$ (26,312)	\$ (25,038)	\$ (22,987)	\$ (89,012)	\$ (148,410)	\$ (159,657)	\$ (299,175)	\$ (378,710)	\$ (330,603)	\$ (303,844)	
73	Monthly Deferred Cost	\$	(14,031)	\$ 686	\$ 1,274	\$ 2,051	\$ (66,026)	\$ (59,397)	\$ (11,247)	\$ (139,517)	\$ (79,536)	\$ 48,108	\$ 26,758	\$ (412,382)	
74	Ending Balance Under/(Over)	\$	(26,997)	\$ (26,312)	\$ (25,038)	\$ (22,987)	\$ (89,012)	\$ (148,410)	\$ (159,657)	\$ (299,175)	\$ (378,710)	\$ (330,603)	\$ (303,844)	\$ (716,226)	
75															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Hydro Asset Purchase															
2				Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total
3				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	
4	Hydro Asset Revenue Requirement -- Per Final Order 7323k															
5	Hydro Assets Plant In Service															
6	Electric Generation Plants			\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 43,589,852	\$ 523,078,225
7	Acquisition Adjustment			\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 28,910,148	\$ 346,921,775
8	Total Electric Plant			\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 72,500,000	\$ 870,000,000
9																
10	Less:															
11	Accumulated Depreciation (Book Life 50 Yrs)			\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (721,612)	\$ (8,659,349)
12	Total Net Plant			\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 71,778,388	\$ 861,340,651
13																
14	Less:															
15	Deferred Income Taxes															
16	Accelerated Tax Depreciation Deferred Liability			\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 220,674	\$ 2,648,088
17	NOL Deferred Tax Liability			\$ 781,374	\$ 781,374	\$ 781,374	\$ 781,374	\$ 781,374	\$ 781,374	\$ 781,374	\$ 781,374	\$ 792,995	\$ 792,995	\$ 792,995	\$ 792,995	\$ 9,434,588
18	Total Customer Contributed Capital			\$ 1,002,048	\$ 1,002,048	\$ 1,002,048	\$ 1,002,048	\$ 1,002,048	\$ 1,002,048	\$ 1,002,048	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 1,013,669	\$ 12,082,676
19																
20	Plus: Working Capital															
21	Gross Cash Requirements			\$ (824,541)	\$ (824,541)	\$ (824,541)	\$ (824,541)	\$ (824,541)	\$ (824,541)	\$ (824,541)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (646,782)	\$ (9,005,695)
22	Material and Supplies			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 20,273	\$ 101,364
23																
24	Total Annual Rate-Base			\$ 69,951,799	\$ 69,951,799	\$ 69,951,799	\$ 69,951,799	\$ 69,951,799	\$ 69,951,799	\$ 69,951,799	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 70,138,210	\$ 840,353,644
25																
26	Fixed Return (Avg Rate-Base * Rate of Return)	6.91%		\$ 4,833,669	\$ 4,833,669	\$ 4,833,669	\$ 4,833,669	\$ 4,833,669	\$ 4,833,669	\$ 4,833,669	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 4,846,550	\$ 58,068,437
27																
28	Fixed Cost of Service															
29	Operation & Maintenance Expense			\$ 3,484,701	\$ 3,484,701	\$ 3,484,701	\$ 3,484,701	\$ 3,484,701	\$ 3,484,701	\$ 3,484,701	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 1,830,534	\$ 33,545,576
30	Administrative and General Expenses			\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 483,998	\$ 5,807,975
31	Depreciation			\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 1,443,225	\$ 17,318,699
32	Property & Other Taxes			\$ 1,109,965	\$ 1,109,965	\$ 1,109,965	\$ 1,109,965	\$ 1,109,965	\$ 1,109,965	\$ 1,109,965	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 1,264,378	\$ 14,091,645
33	MCC/MPSC Revenue Taxes	0.53%		\$ 51,616	\$ 51,616	\$ 51,616	\$ 51,616	\$ 51,616	\$ 51,616	\$ 51,616	\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,997	\$ 61,997	\$ 671,294
34	Revenue Credits			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35	Deferred Income Taxes			\$ 2,004,095	\$ 2,004,095	\$ 2,004,095	\$ 2,004,095	\$ 2,004,095	\$ 2,004,095	\$ 2,004,095	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 2,027,337	\$ 24,165,351
36	Current Income Taxes			\$ (63,213)	\$ (63,213)	\$ (63,213)	\$ (63,213)	\$ (63,213)	\$ (63,213)	\$ (63,213)	\$ (30,444)	\$ (30,444)	\$ (30,444)	\$ (30,444)	\$ (30,444)	\$ (594,714)
37	Fixed Cost of Service			\$ 8,514,386	\$ 8,514,386	\$ 8,514,386	\$ 8,514,386	\$ 8,514,386	\$ 8,514,386	\$ 8,514,386	\$ 7,081,024	\$ 7,081,024	\$ 7,081,024	\$ 7,081,024	\$ 7,081,024	\$ 95,005,826
38																
39	Total Hydro Asset Fixed Cost Revenue Requirement			\$ 13,348,056	\$ 13,348,056	\$ 13,348,056	\$ 13,348,056	\$ 13,348,056	\$ 13,348,056	\$ 13,348,056	\$ 11,927,575	\$ 11,927,575	\$ 11,927,575	\$ 11,927,575	\$ 11,927,575	\$ 153,074,263
40																
41																

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
42	Hydro Asset Purchase																
43				Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total	
44				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
45	Hydro Asset Purchase																
46	Total Forecast Sales																
47				529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240	5,899,194	
48				\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971	\$ 0.2971		
49				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
50	Hydro Asset Variable Cost Revenues																
51				\$ 59,705	\$ 157,329	\$ 146,542	\$ 132,314	\$ 131,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 627,137	
52				\$ 59,705	\$ 157,329	\$ 146,542	\$ 132,314	\$ 131,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 627,137	
53				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
54				\$ 59,705	\$ 157,329	\$ 146,542	\$ 132,314	\$ 131,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 627,137	
55				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
56				\$ 59,705	\$ 157,329	\$ 146,542	\$ 132,314	\$ 131,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 627,137	
57																	
58				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
59				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
60				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
61				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
62				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
63				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
64				\$ 116,745	\$ 116,745	\$ 116,745	\$ 116,745	\$ 116,745	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (82,039)	\$ 501,684	
65				\$ 31,718	\$ 31,718	\$ 31,718	\$ 31,718	\$ 31,718	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 215,326	\$ 373,917	
66																	
67				\$ 148,463	\$ 148,463	\$ 148,463	\$ 148,463	\$ 148,463	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 133,287	\$ 875,602	
68																	
69																	
70	Carrying Cost Expense																
71				7.92%	\$ 590	\$ 535	\$ 551	\$ 662	\$ 781	\$ 786	\$ 791	\$ 796	\$ 802	\$ 807	\$ 812	\$ 1,703	\$ 9,616
72																	
73				\$ 149,053	\$ 148,998	\$ 149,014	\$ 149,125	\$ 149,244	\$ 786	\$ 791	\$ 796	\$ 802	\$ 807	\$ 812	\$ 134,990	\$ 885,218	
74				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
75				\$ (89,348)	\$ 8,332	\$ (2,471)	\$ (16,810)	\$ (17,998)	\$ (786)	\$ (791)	\$ (796)	\$ (802)	\$ (807)	\$ (812)	\$ (134,990)	\$ (258,081)	
76				\$ (89,348)	\$ 8,332	\$ (2,471)	\$ (16,810)	\$ (17,998)	\$ (786)	\$ (791)	\$ (796)	\$ (802)	\$ (807)	\$ (812)	\$ (134,990)	\$ (258,081)	
77				\$ (89,348)	\$ (81,016)	\$ (83,487)	\$ (100,298)	\$ (118,296)	\$ (119,082)	\$ (119,873)	\$ (120,669)	\$ (121,471)	\$ (122,278)	\$ (123,090)	\$ (258,081)		
78																	
79	Variable Cost Deferred																
80				\$ -	\$ 89,348	\$ 81,016	\$ 83,487	\$ 100,298	\$ 118,296	\$ 119,082	\$ 119,873	\$ 120,669	\$ 121,471	\$ 122,278	\$ 123,090		
81				\$ 89,348	\$ (8,332)	\$ 2,471	\$ 16,810	\$ 17,998	\$ 786	\$ 791	\$ 796	\$ 802	\$ 807	\$ 812	\$ 134,990		
82				\$ 89,348	\$ 81,016	\$ 83,487	\$ 100,298	\$ 118,296	\$ 119,082	\$ 119,873	\$ 120,669	\$ 121,471	\$ 122,278	\$ 123,090	\$ 258,081		
83																	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	Revenue Credit True-up																
2				Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Total	
3				Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual		
4																	
5	Total Forecast Sales																
6				529,132	529,916	493,690	445,946	442,425	534,372	581,282	514,516	469,812	467,179	436,685	454,240	5,899,194	
7				\$ (7,2210)	\$ (7,2210)	\$ (7,2210)	\$ (7,2210)	\$ (7,2210)	\$ (7,2210)	\$ (0,9624)	\$ (0,9624)	\$ (0,9624)	\$ (0,9624)	\$ (0,9624)	\$ (0,9624)		
8				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
9																	
10	Hydro Asset Revenue Credit																
11				\$ (3,823,024)	\$ (3,828,163)	\$ (3,565,668)	\$ (3,219,413)	\$ (3,193,390)	\$ (3,860,286)	\$ (4,200,331)	\$ (236,827)	\$ (216,234)	\$ (215,028)	\$ (200,979)	\$ (209,121)	\$ (26,768,463)	
12																	
13				\$ (3,823,024)	\$ (3,828,163)	\$ (3,565,668)	\$ (3,219,413)	\$ (3,193,390)	\$ (3,860,286)	\$ (4,200,331)	\$ (236,827)	\$ (216,234)	\$ (215,028)	\$ (200,979)	\$ (209,121)	\$ (26,768,463)	
14				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 446,217	\$ 1,358,048	\$ 1,350,475	\$ 1,262,241	\$ 1,313,391	\$ 5,730,373	
15				\$ (3,823,024)	\$ (3,828,163)	\$ (3,565,668)	\$ (3,219,413)	\$ (3,193,390)	\$ (3,860,286)	\$ (4,200,331)	\$ 209,390	\$ 1,141,814	\$ 1,135,448	\$ 1,061,262	\$ 1,104,270	\$ (21,038,091)	
16																	
17																	
18				\$ (2,476,010)	\$ (1,527,281)	\$ (1,181,929)	\$ (1,048,354)	\$ (902,915)	\$ (407,659)	\$ (616,390)	\$ (492,596)	\$ (477,457)	\$ (757,015)	\$ (732,857)	\$ (621,664)	\$ (11,242,126)	
19				\$ -	\$ 882,646	\$ -	\$ -	\$ -	\$ 11,124	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 893,770	
20				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
21																	
22				\$ (2,476,010)	\$ (644,635)	\$ (1,181,929)	\$ (1,048,354)	\$ (902,915)	\$ (396,535)	\$ (616,390)	\$ (492,596)	\$ (477,457)	\$ (757,015)	\$ (732,857)	\$ (621,664)	\$ (10,348,357)	
23																	
24																	
25	Carrying Cost Expense																
26				7.92%	\$ (792)	\$ 20,354	\$ 36,326	\$ 50,992	\$ 66,548	\$ 90,003	\$ 114,412	\$ 110,508	\$ 100,484	\$ 88,578	\$ 77,247	\$ 66,293	\$ 820,953
27																	
28				\$ (2,476,802)	\$ (624,281)	\$ (1,145,603)	\$ (997,362)	\$ (836,367)	\$ (306,533)	\$ (501,978)	\$ (382,088)	\$ (376,972)	\$ (668,436)	\$ (655,610)	\$ (555,371)	\$ (9,527,403)	
29																	
30				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 446,217	\$ 1,358,048	\$ 1,350,475	\$ 1,262,241	\$ 1,313,391	\$ 5,730,373	
31				\$ (1,346,221)	\$ (3,203,882)	\$ (2,420,065)	\$ (2,222,051)	\$ (2,357,023)	\$ (3,553,753)	\$ (3,698,353)	\$ 145,261	\$ 160,738	\$ 453,408	\$ 454,631	\$ 346,249	\$ (17,241,060)	
32				\$ (1,346,221)	\$ (4,550,103)	\$ (6,970,168)	\$ (9,192,219)	\$ (11,549,242)	\$ (15,102,995)	\$ (18,801,347)	\$ (18,656,087)	\$ (18,495,348)	\$ (18,041,940)	\$ (17,587,309)	\$ (17,241,060)		
33																	
34	Variable Rate-Base Deferred																
35				\$ (1,466,218)	\$ (119,997)	\$ 3,083,884	\$ 5,503,949	\$ 7,726,000	\$ 10,083,023	\$ 13,636,776	\$ 17,335,129	\$ 16,743,651	\$ 15,224,864	\$ 13,420,981	\$ 11,704,109		
36				\$ 1,346,221	\$ 3,203,882	\$ 2,420,065	\$ 2,222,051	\$ 2,357,023	\$ 3,553,753	\$ 3,698,353	\$ (591,478)	\$ (1,518,787)	\$ (1,803,884)	\$ (1,716,872)	\$ (1,659,640)		
37				\$ (119,997)	\$ 3,083,884	\$ 5,503,949	\$ 7,726,000	\$ 10,083,023	\$ 13,636,776	\$ 17,335,129	\$ 16,743,651	\$ 15,224,864	\$ 13,420,981	\$ 11,704,109	\$ 10,044,469		
38																	

	A	B	C	D	E	F	G	H	I	
1	Table A: Reported Electricity Savings from 2015-16 USB and DSM Program Activity									
2	Programs	Annualized Energy Savings¹								
3		USB		DSM						
4		kWh	aMW	kWh	aMW					
5	E+ Energy Audit for the Home or Business (Elec)	869,979	0.10	-	-					
6	E+ Business Partners Program	-	-	2,304,854	0.26					
7	E+ Irrigation	709,511	0.08	-	-					
8	E+ Commercial Lighting Rebate Program	-	-	8,783,783	1.00					
9	E+ Residential Lighting Programs	-	-	10,642,902	1.21					
10	Builder Operator Certification	2,765,576	0.32	-	-					
11	Northwest Energy Efficiency Alliance (NEEA)	-	-	10,146,723	1.16					
12	E+ Free Weatherization Program & Fuel Switch	209,609	0.02	-	-					
13	E+ Renewable Energy Program	566,518	0.06	-	-					
14	E+ Commercial NC Electric Rebate Program	-	-	4,032,817	0.46					
15	E+ Commercial EX Electric Rebate Program	-	-	5,003,783	0.57					
16	Totals	5,121,193	0.58	40,914,862	4.67					
17										
18	Note 1: Annualized energy savings are based on 12 months of actual savings (July - June).									
19										
20										
21										
22	Table B: Residential and Commercial Electric Savings for Calculation of Lost Revenues									
23	USB + DSM Programs									
24	Programs	% Residential	kWh	% Commercial	kWh	Total kWh	Residential % of Total	Commercial % of Total		
25										
26	General Default Supply DSM Expenses	0%	-	0%	-	-				
27	E+ Energy Audit for the Home or Business (Elec)	91%	795,072	9%	74,907	869,979				
28	E+ Business Partners Program	0%	-	100%	2,304,854	2,304,854				
29	E+ Irrigation	0%	-	100%	709,511	709,511				
30	E+ Commercial Lighting Rebate Program	0%	-	100%	8,783,783	8,783,783				
31	E+ Residential Lighting Programs	100%	10,642,902	0%	-	10,642,902				
32	Builder Operator Certification	0%	-	100%	2,765,576	2,765,576				
33	Northwest Energy Efficiency Alliance (NEEA) (Elec)	95%	9,672,990	5%	473,732	10,146,723				
34	E+ Free Weatherization Program & Fuel Switch	100%	209,609	0%	-	209,609				
35	E+ Renewable Energy Program	27%	150,742	73%	415,776	566,518				
36	E+ Commercial NC Electric Rebate Program	0%	-	100%	4,032,817	4,032,817				
37	E+ Commercial EX Electric Rebate Program	0%	-	100%	5,003,783	5,003,783				
38			21,471,316		24,564,739	46,036,055	46.64%	53.36%		
39										
40	Subtract NorthWestern Energy Facilities from Commercial Totals²					Residential kWh	Commercial kWh	Total kWh	Residential % of Total	Commercial % of Total
41										
42						21,471,316	24,557,430	46,028,745	46.65%	53.35%
43	Note 2: The savings from NorthWestern Energy facilities has been subtracted from the commercial kWh total, resulting in a reduction of Total kWh and a reduction of the Commercial Percentage of Total Savings.									
44						Residential kWh	Commercial kWh	Total kWh	Residential % of Total⁴	Commercial % of Total⁴
45	Subtract 8.6% for CFL Storage in E+ Residential Lighting and NEEA³									
46						20,416,689	24,557,430	44,974,119	45.40%	54.60%
47	Note 3: The savings from E+ Residential Lighting and NEEA has been reduced by 8.6% for CFL storage per Order 7219h (paragraphs 67, 68, and 124). These amounts have been subtracted from the residential kWh total, resulting in a reduction of Total kWh and a reduction of the Residential Percentage of Total Savings.									
48	Note 4: Overall Residential and Commercial percentages are used in calculation of Lost Revenues in Exhibit_(DLW-3).									

USB + DSM savings acquired in 2015-16 Tracker Period (aMW): 5.26

5.13 aMW

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-012 Regarding: Market Transactions and Transmission Costs
 Witness: Kevin Markovich

- a. Please provide the monthly on-peak and off-peak volumes, by month, used to calculate the cost of market purchases.
- b. Please explain how NorthWestern derived the “forward prices for those periods” referenced on page 15 of your testimony, and why actual market prices were not used.
- c. To the extent the point-to-point transmission fee of \$4.33 per MWh differs from NorthWestern’s actual transmission costs, please explain the difference and provide actual transmission costs.
- d. Please explain why the costs of On-System Market Purchases were calculated using “forward prices for those periods,” but credits from Off-System Market Sales and On-System Market Sales were calculated “based on Mid-C forward electric prices on May 22, 2017.”

RESPONSE:

- a. Please refer to the workbook named “Power Costs and Credits Base Model Detail.xlsx” provided on CD in response to Data Request PSC-001. Specifically, refer to rows 41, 70, 99, and 127 on the Detail tab.
- b. Page 15 of the Markovich Testimony describes how the volumes of market purchases were derived. The cost of these purchases was calculated by multiplying the derived volumes by the monthly on- and off-peak forward prices that were calculated from the May 22, 2017 forward price curve supplied by Tradition Energy.

The forward market prices came from the May 22, 2017 broker quotes of Tradition Energy. Forward market prices were used because they provide the best estimate of what actual market prices will be during the tracking period; actual market prices from a prior period are historical values that do not encompass future effects on market prices and thus they are not as good of an estimate as forecasted forward prices.

- c. The point-to-point transmission fee of \$4.33 per MWh has been in effect since May 18, 2007, and NorthWestern Energy Supply has paid that fee for all point-to-point transactions. All prior trackers include NorthWestern Energy Supply’s actual transmission expenses.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-012 cont'd

- d. See the response to part b, above. On-System Market Purchases, Off-System Market Sales, and On-System Market Sales were all calculated “based on Mid-C forward electric prices on May 22, 2017.”

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-013 Regarding: Basin Creek Volumes and Costs
 Witness: Kevin Markovich

Please provide volumes and costs for Basin Creek based on the most recent tracking period prior to operations under RBC.

RESPONSE:

See Attachment 1 (Updated Exhibit__(FVB-1)15-16) provided in response to Data Request MCC-011b. Specifically, see page 3, line 54 for volumes and page 4, lines 177-178 for costs. This tracking period includes three months in which NorthWestern engaged in a trial period for RBC.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-014 Regarding: Individual Supply Sources
 Witness: Kevin Markovich

For each supply resource, please provide the historical output data that was used to calculate rates in this Docket.

RESPONSE:

See Exhibit__(KJM-1) page 2, lines 7, 9, 10, 12, 13, 15, 23; page 3, lines 7, 9, 14, 15, 17, and page 4, lines 8-9. See also the responses to Data Requests MCC-006 and PSC-001.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-015 Regarding: Individual Supply Sources
 Witness: Kevin Markovich

Please provide the following normalized amounts that are included in Exhibit__(KJM-1), page 1 of 5, for NorthWestern's Hydro Assets, for the total tracker period 2016-2017:

- a. Base power cost volumes in MWh.
- b. Base power credit volumes in MWh.
- c. Base power cost dollars.
- d. Base power cost credits.

RESPONSE:

- a. There are no base power cost volumes for Hydro Assets included in Exhibit__(KJM-1).
- b. Actual base power credit volumes for Hydro Assets for the total tracker period 2016-2017 can be found in Updated Exhibit__(KJM-1)16-17, page 3, line 29. This file is Attachment 1 provided in response to Data Request MCC-011a. Prior to the PCCAM, Hydro volumes were not normalized but were based on the most recent forecast of output. As stated in my testimony on page KJM-18, for the PCCAM Base PCC, the volumes for the Hydros are normalized based on a five-year historical average.
- c. There are no base power cost dollars for Hydro Assets included in Exhibit__(KJM-1).
- d. Actual base power cost credits for Hydro Assets for the total tracker period 2016-2017 can be found in Updated Exhibit__(KJM-10)16-17, page 2, line 58. This file is Attachment 5 provided in response to Data Request MCC-011a. See also the response to part b, above.

NorthWestern Energy
Docket D2017.5.39
Power Costs and Credits Adjustment Mechanism Proposal

Montana Consumer Counsel (MCC)
Set 1 (001-016)

Data Requests received September 20, 2017

MCC-016 Regarding: Administrative Costs
 Witness: Kevin Markovich

- a. Please provide all supporting documentation and workpapers used to produce \$381,600 of Administrative costs at line 16, Exhibit__(KJM-1), page 5.
- b. Please explain why that figure is much greater than the \$134,304 figure for Administrative costs for tracker period 2016-2017 that was presented at line 42 of Exhibit__(FVB-2), in Docket No. D2015.7.52.

RESPONSE:

- a. See the response to Data Request MCC-009c.
- b. Line 42 of Exhibit__(FVB-2) in Docket No. D2015.7.52 includes forecasted administration costs for the 2016/2017 tracking period and does not include all administrative costs. Line 41 of Exhibit__(FVB-2) contains additional administrative costs.

Lines 41 and 42 of Updated Exhibit__(KJM-1)16-17, provided as Attachment 1 in response to Data Request MCC-011a, provides the actual administrative costs that were incurred during the 2016/2017 tracking period.