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IDAHO PUBLIC  
UTILITIES COMMISSION

**BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION**

<b>IN THE MATTER OF THE</b>	)	
<b>APPLICATION OF ROCKY</b>	)	<b>CASE NO. PAC-E-11-12</b>
<b>MOUNTAIN POWER FOR</b>	)	
<b>APPROVAL OF CHANGES TO ITS</b>	)	<b>Direct Testimony of C. Craig Paice</b>
<b>ELECTRIC SERVICE SCHEDULES</b>	)	
<b>AND A PRICE INCREASE OF \$32.7</b>	)	
<b>MILLION, OR APPROXIMATELY</b>	)	
<b>15.0 PERCENT</b>	)	

**ROCKY MOUNTAIN POWER**

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**CASE NO. PAC-E-11-12**

**May 2011**

1 **Q. Please state your name, business address and present position with Rocky**  
2 **Mountain Power (the “Company”), a division of PacifiCorp.**

3 A. My name is C. Craig Paice. My business address is 825 NE Multnomah, Suite  
4 2000, Portland, Oregon 97232, and I am currently employed as a Regulatory  
5 Consultant in the Regulation Department.

6 **Qualifications**

7 **Q. Please briefly describe your educational and professional background.**

8 A. I received a Bachelor of Science Degree in Business Management from Brigham  
9 Young University in 1976. I have also attended various educational, professional  
10 and electric industry seminars during my career with the Company. I have been  
11 employed by PacifiCorp since the merger in 1989. Prior to that time, I was  
12 employed by Utah Power & Light Company beginning in 1978 holding various  
13 positions in the accounting, customer service, and regulatory areas.

14 **Q. What are your responsibilities?**

15 A. My primary responsibilities are to prepare, present, and explain the results of the  
16 Company’s cost of service studies to regulators and interested parties in  
17 jurisdictions where PacifiCorp provides retail electric service.

18 **Q. Have you appeared as a witness in previous regulatory proceedings?**

19 A. Yes, I have previously filed testimony on behalf of the Company in the states of  
20 Idaho, Utah, Wyoming, California, Oregon, and Washington.

21 **Purpose of Testimony**

22 **Q. What is the purpose of your testimony in this proceeding?**

23 A. I will present Rocky Mountain Power’s embedded class cost of service (COS)

1 study for the state of Idaho based on the 12 month test period ending December  
2 31, 2010.

3 **Cost of Service**

4 **Q. Please identify Exhibit No. 40, Cost of Service – Summary by Rate Schedule,**  
5 **and explain what it shows.**

6 A. Exhibit No. 40, Cost of Service – Summary by Rate Schedule, shows the  
7 summary of the results from the COS study for Idaho. It is based on the  
8 Company's actual December 2010 results of operations for the state of Idaho  
9 presented in the testimony of Company witness Mr. Steven R. McDougal. Page 1  
10 presents a summary of the Company's actual earned rate of return by rate  
11 schedule based on current rate levels. Page 2 shows the results using the target  
12 rate of return based on the requested \$32.7 million revenue increase.

13 **Q. Please describe Exhibit No. 41, Cost of Service – Summary by Function.**

14 A. Exhibit No. 41, Cost of Service – Summary by Function, shows the cost of  
15 service results by rate schedule and by function. Page 1 contains the total cost of  
16 service summary by rate schedule and pages 2 through 6 contain a summary by  
17 rate schedule for each function.

18 **Cost of Service Study Changes**

19 **Q. Are there any methodology differences between the COS study presented in**  
20 **this proceeding and the cost study filed with the Idaho Commission in Case**  
21 **No. PAC-E-10-07, Order No. 32196 (the "2010 General Rate Case")?**

22 A. Yes. In the 2010 General Rate Case, the COS study was prepared consistent with  
23 Idaho results of operations which were developed using the Revised Protocol

1 methodology. In the current proceeding, Idaho results of operations are based on  
2 the 2010 Protocol described in the direct testimony of Mr. McDougal. The  
3 Company's standard practice is to allocate costs in the COS study to customer  
4 classes consistent with the way that they are allocated to the jurisdiction. As such,  
5 the COS study filed in this proceeding employs the 2010 Protocol methodology.

6 **Q. How are costs associated with the Irrigation Load Control Program being**  
7 **treated in the COS study?**

8 A. Pursuant to the Commission's Order in the 2010 General Rate Case, Order No.  
9 32196, the delivery costs of the Irrigation Load Control Program were shifted  
10 from the customer efficiency rider to base rates and allocated as a system expense.  
11 Based on this decision, Idaho jurisdictional loads include the full level of peak  
12 demand excluding the impact of the irrigation load control program. Class load  
13 data used in the COS study does not reflect a similar adjustment. This assures that  
14 Idaho's allocated share of the costs and benefits of the irrigation load control  
15 program are spread among all Idaho customer classes. This logic is consistent  
16 with prior treatment where the benefits associated with the curtailment program  
17 were shared among all customer classes.

18 **Description of Cost of Service Procedures**

19 **Q. Please explain how the cost of service study was developed.**

20 A. The cost of service study utilizes annual Idaho results of operations produced by  
21 Mr. McDougal. The study employs a three-step process generally referred to as  
22 functionalization, classification, and allocation. These three steps recognize the  
23 way a utility provides electrical service and assigns cost responsibility to the

1 groups of customers for whom those costs were incurred.

2 **Q. Please describe functionalization and how it is employed in the cost of service**  
3 **study.**

4 A. Functionalization is the process of separating expenses and rate base items  
5 according to utility function. The production function consists of the costs  
6 associated with power generation, including coal mining and wholesale sales and  
7 purchases. The transmission function includes the costs associated with the high  
8 voltage system utilized for the bulk transmission of power from the generation  
9 source and interconnected utilities to the load centers. The distribution function  
10 includes the costs associated with all the facilities that are necessary to connect  
11 individual customers to the transmission system. This includes distribution  
12 substations, poles and wires, line transformers, service drops, and meters. The  
13 retail service function includes the costs of meter reading, billing, collections, and  
14 customer service. The miscellaneous function includes costs associated with  
15 demand side management, franchise taxes, regulatory expenses, and other  
16 miscellaneous expenses.

17 **Q. Describe classification and explain how the Company uses it in the cost of**  
18 **service study.**

19 A. Classification identifies the component of utility service being provided. The  
20 Company provides, and customers purchase, service that includes at least three  
21 different components, demand-related, energy-related, and customer-related  
22 components. Demand-related costs are incurred by the Company to meet the  
23 maximum demand imposed on generating units, transmission lines, and

1 distribution facilities. Energy-related costs vary with the output of a kilowatt-hour  
2 of electricity. Customer-related costs are driven by the number of customers  
3 served.

4 **Q. How does the Company determine cost responsibility between customer**  
5 **groups?**

6 A. After the costs have been functionalized and classified, the next step is to allocate  
7 them among the customer classes. This is achieved by the use of allocation factors  
8 that specify each class' share of a particular cost driver such as system peak  
9 demand, energy consumed, or number of customers. The appropriate allocation  
10 factor is then applied to the respective cost element to determine each class' share  
11 of cost. A detailed description of the Company's functionalization, classification  
12 and allocation procedures and the supporting calculations for the allocation  
13 factors are contained in my workpapers, which are attached hereto as Exhibit No.  
14 42, Cost of Service – Study. Also, included in the workpapers is the  
15 functionalized results of operations and class cost of service detail.

16 **Q. How are generation and transmission costs apportioned among customer**  
17 **classes?**

18 A. Production and transmission plant and non-fuel related expenses are classified as  
19 75 percent demand related and 25 percent energy related. The demand-related  
20 portion is allocated using the class' 12 monthly peaks coincident with the  
21 Company's system firm peak. The energy portion is allocated using class  
22 megawatt hours adjusted for losses to generation level.

1 **Q. Please describe how distribution costs are determined?**

2 A. Distribution costs are classified as either demand related or customer related. In  
3 this study only meters and services are considered as customer related with all  
4 other costs considered demand related. Distribution substations and primary lines  
5 are allocated using the weighted monthly coincident distribution peaks.  
6 Distribution line transformers and secondary lines are allocated using the  
7 weighted non-coincident peak method. Services costs are allocated to secondary  
8 voltage delivery customers only. The allocation factor is developed using the  
9 installed cost of new services for different types of customers. Meter costs are  
10 allocated to all customers. The meter allocation factor is developed using the  
11 installed costs of new metering equipment for different types of customers. Meter  
12 costs were revised in the COS study to reflect that Schedule 36 customers require  
13 time-of-use meters which are capable of measuring energy consumption during on  
14 and off peak hours. Previously, standard non-time-of-use watt-hour meter costs  
15 were used for both Schedule 1 and Schedule 36.

16 **Q. Please explain how customer accounting and customer service expenses are**  
17 **allocated.**

18 A. Customer accounting expenses are allocated to classes using weighted customer  
19 factors. The weightings reflect the resources required to perform such activities as  
20 meter reading, billing, and collections for different types of customers. Customer  
21 service expenses are allocated on the number of customers in each class.

1 **Q. How are administrative & general expenses, general plant and intangible**  
2 **plant allocated by the Company?**

3 A. Most general plant, intangible plant, and administrative and general expenses are  
4 functionalized and allocated to classes based on generation, transmission, and  
5 distribution plant. Costs identified as supporting customer systems are considered  
6 part of the retail services function and are allocated using customer factors. Coal  
7 mine plant is allocated on the energy factor.

8 **Q. How are costs and revenues associated with wholesale contracts and other**  
9 **electric revenues treated in the cost of service study?**

10 A. The revenues from wholesale transactions are treated as revenue credits and are  
11 allocated to customer classes using appropriate allocation factors. Other electric  
12 revenues are also treated as revenue credits. Revenue credits reduce the revenue  
13 requirement that is to be collected from retail customers. The cost of purchase  
14 power contracts are allocated to customer classes using the appropriate allocation  
15 factors increasing the Company's revenue requirement.

16 **Residential Schedules 1 and 36**

17 **Q. In the 2010 General Rate Case, what did the Commission find with respect to**  
18 **COS results for Schedule 1 and Schedule 36?**

19 A. On page 44, of its Order, the Commission found that, "(c)omments and testimony  
20 of customers under the two residential rate schedules, we note, reflect that they do  
21 not understand why the Company proposes separate treatment for Schedules 1  
22 and 36."

1 **Q. Why does the Company calculate results for both Schedule 1 and Schedule**  
2 **36 in the COS study?**

3 A. Separate results are developed for Schedule 1 and Schedule 36 because they have  
4 different underlying cost characteristics including different meter costs, customers  
5 per transformer, load factors, and energy usage per customer. Due to these  
6 different cost characteristics, Exhibit No. 40, Cost of Service – Summary by Rate  
7 Schedule, shows that Schedule 36 is significantly underperforming relative to  
8 Schedule 1. The increase needed for Schedule 36 customers is approximately 2.3  
9 times the increase required for Schedule 1 customers and is consistent with results  
10 from recent cost studies filed in Idaho. The COS study results in case the 2010  
11 General Rate Case showed Schedule 36 customers needing an increase of about  
12 1.9 times the increase needed for Schedule 1 customers. In case PAC-E-07-05,  
13 cost of service results showed that Schedule 36 customers needed an increase  
14 slightly more than 1.8 times the increase required for Schedule 1 customers.  
15 These comparisons demonstrate that the Company's cost of service methodology  
16 produces a high level of consistency between cases and separate COS results for  
17 Schedules 1 and 36 continue to show significant cost differences between these  
18 customer classes.

19 **Work papers**

20 **Q. Have you included your workpapers?**

21 A. Yes. My workpapers are included as Exhibit No. 42 Cost of Service – Study. Tab  
22 1 of this exhibit is a detailed narrative describing the Company's  
23 functionalization, classification and allocation procedures. Tab 2 is the complete

1 functionalized results of operations. Tab 3 shows the functionalization factors  
2 used in this case. Tabs 4 through 5 show the class cost of service detail.

3 **Q. Does this conclude your direct testimony?**

4 **A. Yes.**

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Case No. PAC-E-11-12

Exhibit No. 40

Witness: C. Craig Paice

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of C. Craig Paice

Cost of Service – Summary by Rate Schedule

May 2011

**Rocky Mountain Power**  
**Cost of Service By Rate Schedule**  
**State of Idaho**  
**12 Months Ending December 2010**  
**2010 Protocol**

5.54% = Earned Return on Rate Base

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M
	Schedule No.	Description	Annual Revenue	Return on Rate Base	Rate of Return Index	Total Cost of Service	Generation Cost of Service	Transmission Cost of Service	Distribution Cost of Service	Retail Cost of Service	Misc Cost of Service	Increase (Decrease) to = ROR	Percentage Change from Current Revenues
1	01	Residential	41,480,591	7.83%	1.41	38,402,253	19,890,227	5,323,434	9,090,273	3,488,950	629,389	(3,078,338)	-7.42%
2	36	Residential - TOD	22,532,610	5.45%	0.98	22,600,898	12,634,126	3,168,795	5,077,127	1,447,364	273,486	68,288	0.30%
3	06, 35	General Service - Large	21,103,808	6.84%	1.24	20,176,561	13,776,871	3,504,687	2,592,518	154,190	148,294	(927,247)	-4.39%
5	09	General Service - High Voltage	5,889,323	6.54%	1.18	5,700,950	4,563,943	1,082,149	6,584	10,454	37,820	(188,373)	-3.20%
6	10	Irrigation	41,151,802	4.23%	0.76	43,163,106	24,519,199	6,128,900	11,859,462	344,326	311,219	2,011,304	4.89%
7	07, 11, 12	Street & Area Lighting	597,888	28.84%	5.21	446,884	103,160	19,525	276,018	38,479	9,702	(151,004)	-25.26%
8	19	Space Heating	454,158	7.16%	1.29	429,266	278,358	70,550	66,555	9,748	4,064	(24,892)	-5.48%
9	23	General Service - Small	13,014,299	6.62%	1.20	12,529,960	7,035,208	1,824,864	2,803,075	710,544	186,269	(484,339)	-3.72%
10	SPC	Contract 1	66,330,739	4.42%	0.80	68,845,800	55,107,163	13,265,749	49,734	82	423,072	2,515,061	3.79%
11	SPC	Contract 2	4,890,954	3.97%	0.72	5,150,496	4,109,106	959,738	49,725	713	31,214	259,541	5.31%
12	Total	State of Idaho	217,446,172	5.54%	1.00	217,446,172	142,017,360	35,348,390	31,871,071	6,184,851	2,024,500	(0)	0.00%

**Footnotes:**

- Column C : Annual revenues based on 12 months ending December 2010.
- Column D : Calculated Return on Ratebase per December 2010 Embedded Cost of Service Study
- Column E : Rate of Return Index. Rate of return by rate schedule, divided by Idaho Jurisdiction's normalized rate of return.
- Column F : Calculated Full Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study
- Column G : Calculated Generation Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study
- Column H : Calculated Transmission Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column I : Calculated Distribution Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column J : Calculated Retail Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column K : Calculated Misc. Distribution Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column L : Increase or Decrease Required to Move From Annual Revenue to Full Cost of Service Dollars.
- Column M : Increase or Decrease Required to Move From Annual Revenue to Full Cost of Service Percent.

Rocky Mountain Power  
 Cost Of Service By Rate Schedule  
 State of Idaho  
 12 Months Ending December 2010  
 2010 Protocol  
 8.25% = Target Return on Rate Base

Line No.	Schedule No.	Description	A	B	C	D	E	F	G	H	I	J	K	L	M
			Annual Revenue	Return on Rate Base	Rate of Return Index	Total Cost of Service	Generation Cost of Service	Transmission Cost of Service	Distribution Cost of Service	Retail Cost of Service	Misc Cost of Service	Increase (Decrease) to = ROR	Percentage Change from Current Revenues		
1	01	Residential	41,480,591	7.83%	1.41	44,283,358	22,659,175	6,521,369	10,878,901	3,508,972	714,942	2,802,767	6.76%		
2	36	Residential - TOD	22,532,610	5.45%	0.98	26,006,422	14,293,680	3,880,954	6,064,150	1,462,974	304,863	3,473,812	15.42%		
3	06, 35	General Service - Large	21,103,808	6.84%	1.24	23,297,055	15,624,413	4,281,358	3,082,556	155,693	153,036	2,193,247	10.39%		
5	09	General Service - High Voltage	5,889,323	6.54%	1.18	6,523,208	5,147,868	1,319,218	7,175	10,531	38,416	633,885	10.76%		
6	10	Irrigation	41,151,802	4.23%	0.76	49,921,530	27,721,137	7,502,467	14,022,782	349,539	325,604	8,769,728	21.31%		
7	07, 11, 12	Street & Area Lighting	597,888	28.84%	5.21	475,266	114,029	24,006	287,190	38,975	11,067	(122,622)	-20.51%		
8	19	Space Heating	454,158	7.16%	1.29	496,187	315,209	86,357	80,411	9,864	4,347	42,029	9.25%		
9	23	General Service - Small	13,014,299	6.62%	1.20	14,487,595	7,990,002	2,233,164	3,372,221	718,583	173,625	1,473,296	11.32%		
10	SPC	Contract 1	66,330,739	4.42%	0.80	78,746,886	62,017,204	16,244,379	55,820	(270)	429,754	12,416,147	18.72%		
11	SPC	Contract 2	4,890,954	3.97%	0.72	5,878,823	4,615,558	1,175,051	55,811	694	31,709	987,869	20.20%		
12	Total	State of Idaho	217,446,172	5.54%	1.00	250,116,331	160,498,275	43,288,322	37,907,016	6,255,555	2,187,163	32,670,159	15.02%		

Footnotes:

- Column C : Annual revenues based on 12 months ending December 2010.
- Column D : Calculated Return on Ratebase per December 2010 Embedded Cost of Service Study
- Column E : Rate of Return Index. Rate of return by rate schedule, divided by Idaho Jurisdiction's normalized rate of return.
- Column F : Calculated Full Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study
- Column G : Calculated Generation Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
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- Column I : Calculated Distribution Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column J : Calculated Retail Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column K : Calculated Misc. Distribution Cost of Service at Jurisdictional Rate of Return per December 2010 Embedded COS Study.
- Column L : Increase or Decrease Required to Move From Annual Revenue to Full Cost of Service Dollars.
- Column M : Increase or Decrease Required to Move From Annual Revenue to Full Cost of Service Percent.

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Case No. PAC-E-11-12

Exhibit No. 41

Witness: C. Craig Paice

BEFORE THE IDAHO PUBLIC UTILITIES COMMISSION

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of C. Craig Paice

Cost of Service – Summary by Function

May 2011

Rocky Mountain Power  
 Cost Of Service By Rate Schedule - All Functions  
 State of Idaho  
 2010 Protocol  
 12 Months Ending December 2010

DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M
Operating Revenues	262,863,700	48,402,089	20,990,688	7,304,331	824,735	550,444	15,584,395	82,633,232	6,083,937				
Operating Expenses	176,201,098	20,218,693	17,412,645	16,624,884	5,028,834	347,744	9,774,773	60,187,409	4,591,844				
Operation & Maintenance Expenses	30,729,804	5,611,933	3,266,388	2,979,138	737,622	63,223	1,892,971	8,585,532	637,177				
Depreciation	2,767,529	546,930	296,880	255,897	73,532	5,539	1,865,729	862,075	63,220				
Amortization Expense	7,185,133	1,388,688	797,549	674,143	180,526	14,906	458,352	1,932,433	142,990				
Taxes Other Than Income	(38,068,197)	(6,789,881)	(3,304,467)	(1,083,201)	(6,528,263)	(19,773)	(1,896,485)	(13,130,767)	(960,222)				
Income Taxes - State	(4,376,078)	(866,430)	(402,012)	(495,406)	(132,059)	(2,386)	(6,795)	(1,589,980)	(116,174)				
Income Taxes Deferred	46,937,202	7,410,487	4,372,007	4,591,718	1,325,887	31,182	2,311,103	16,984,728	1,175,403				
Investment Tax Credit Adj	(221,638)	(41,154)	(23,971)	(21,050)	(5,255)	(197)	(458)	(62,844)	(4,444)				
Misc Revenues & Expense	(833,171)	(95,544)	(58,988)	(63,833)	(19,972)	(54)	(2,862)	(235,007)	(17,241)				
Total Operating Expenses	221,816,681	37,893,273	22,350,250	20,937,297	6,077,077	431,871	12,826,884	72,643,778	5,422,933				
Operating Revenue For Return	41,277,079	10,508,914	4,234,418	1,227,254	188,864	109,444	2,857,711	9,984,455	600,664				
Rate Base:	1,310,420,312	241,833,487	138,902,898	125,504,079	31,838,109	1,598,211	80,791,561	372,741,524	27,874,859				
Electric Plant In Service	3,489,909	523,811	311,650	348,721	109,450	6,538	180,203	1,291,168	94,372				
Plant Held For Future Use	2,893,181	729,410	339,993	212,568	55,411	7,643	188,555	640,304	47,202				
Nuclear Fuel	14,846,799	1,843,937	1,319,643	1,240,998	459,172	27,055	680,022	5,636,588	428,870				
Fuel Stock	11,026,959	1,891,814	1,190,959	1,081,278	297,733	10,360	910,440	3,486,385	237,442				
Materials & Supplies	5,485,288	840,545	489,789	547,059	188,713	3,349	1,032,745	1,955,975	149,430				
Misc Deferred Debits	3,831,222	871,272	391,863	342,874	95,622	1,386	231,555	1,090,520	78,235				
Cash Working Capital	3,181,094	1,855,738	852,215	56,812	59	0	358,498	44	0				
Weatherization Loans	0	0	0	0	0	0	0	0	0				
Miscellaneous Rate Base	0	0	0	0	0	0	0	0	0				
Total Rate Base Additions	1,333,846,529	253,189,245	144,443,346	129,813,133	33,614,760	1,851,709	33,347,493	384,932,571	28,822,043				
Rate Base Deductions:	(497,334,709)	(77,199,025)	(44,765,626)	(39,168,977)	(9,124,888)	(8,368,951)	(28,948,902)	(165,376,590)	(7,822,163)				
Accum Provision For Depreciation	(24,953,346)	(5,983,580)	(3,266,388)	(2,126,964)	(546,172)	(64,063)	(1,892,971)	(8,585,532)	(637,177)				
Accum Provision For Amortization	(170,125,816)	(32,282,794)	(16,222,427)	(4,028,108)	(6,077,077)	(106,408)	(352,071)	(1,866,974)	(142,990)				
Accum Deferred Income Taxes	(186,324)	(29,386)	(15,169)	(17,027)	(15,169)	(125)	(8,829)	(44,889)	(3,307)				
Unamortized ITC	(1,166,620)	(7,861)	(4,325)	(624,195)	(414,006)	(1,059)	(114,474)	(114,474)	(114,474)				
Customer Advance For Construction	(4,476,616)	(702,463)	(432,028)	(429,877)	(128,898)	(4,287)	(6,430)	(242,251)	(115,599)				
Customer Service Deposits	(88,245,955)	(115,952,199)	(62,767,152)	(68,397,469)	(14,246,602)	(1,003,873)	(1,252,261)	(8,964,269)	(1,897,562)				
Misc Rate Base Deductions	745,700,934	134,237,046	77,173,564	71,225,724	18,788,158	697,536	44,883,288	225,933,852	18,624,182				
Total Rate Base	836,511,820	174,990,219	99,677,720	90,646,154	24,493,872	1,042,738	4,408,591	217,567,746	20,001,880				
Calculated Return On Rate Base	5.64%	5.54%	5.65%	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%				
Return On Rate Base @ Jurisdictional Ave.	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%	5.64%				
Total Operating Expenses	221,816,681	37,893,273	22,350,250	20,937,297	6,077,077	431,871	12,826,884	72,643,778	5,422,933				
Revenue Credits	(58,447,588)	(9,821,488)	(4,953,058)	(4,833,322)	(1,415,003)	(26,847)	(96,180)	(18,307,483)	(1,182,843)				
Total Revenue Requirements	217,445,172	38,402,253	22,000,898	20,176,961	5,700,950	446,884	12,529,940	68,446,295	5,196,495				
Chess Revenue	217,445,172	41,480,591	22,552,610	21,103,808	5,889,323	41,151,802	97,888	13,014,299	68,330,739				
Increase / (Decrease) Required to Earm Equal Rates of Return	68,288	(9,078,338)	26,000,422	23,307,055	6,232,268	40,821,530	47,268	78,746,886	4,806,954				
Percent %	0.00%	-7.42%	0.30%	-4.39%	-3.20%	-4.89%	-0.37%	3.79%	5.31%				
Return On Rate Base @ Target ROR	8.25%	8.25%	8.25%	8.25%	8.25%	8.25%	8.25%	8.25%	8.25%				
Total Operating Expenses Adjusted for Taxes	221,816,681	37,893,273	22,350,250	20,937,297	6,077,077	431,871	12,826,884	72,643,778	5,422,933				
Revenue Credits	(58,447,588)	(9,821,488)	(4,953,058)	(4,833,322)	(1,415,003)	(26,847)	(96,180)	(18,307,483)	(1,182,843)				
Total Target Revenue Requirements	250,116,311	44,380,591	26,000,422	23,307,055	6,232,268	40,821,530	47,268	78,746,886	4,806,954				
Chess Revenue	217,445,172	41,480,591	22,552,610	21,103,808	5,889,323	41,151,802	97,888	13,014,299	68,330,739				
Increase / (Decrease) Required to Earm Target Rate of Return	32,670,159	2,802,767	3,473,812	2,193,217	633,885	8,768,728	(122,622)	1,473,298	987,869				
Percent %	15.92%	6.79%	15.42%	10.39%	10.76%	21.31%	-0.51%	11.32%	20.20%				



Rocky Mountain Power  
 Cost Of Service By Rate Schedule - Transmission Function  
 State of Idaho  
 2010 Protocol  
 12 Months Ending December 2010

A	B	C	D	E	F	G	H	I	J	K	L	M
DESCRIPTION	Idaho Jurisdiction Normalized	Residential Schedule 1	Residential Schedule 36	General Srv Large Power Schedules 6-35	General Srv High Voltage Schedule 3	Irrigation Schedule 10	St. & Area Lgt Schedules 7, 11, 12	Space Heating Schedule 12	General Srv Small Power Schedule 23	Contract 1	Contract 2	
14 Operating Expenses	14,161,642	2,129,650	1,270,330	1,418,528	448,031	2,432,990	8,168	28,252	733,396	5,289,011	385,284	
15 Operation & Maintenance Expenses	5,814,703	873,826	520,095	581,962	182,655	1,904,407	3,238	11,578	300,731	2,178,719	167,492	
16 Depreciation Expense	322,366	46,445	26,834	32,264	10,126	55,684	160	642	16,672	120,788	6,731	
17 Amortization Expense	1,553,202	(1,349,296)	139,564	152,315	46,492	289,374	879	3,100	80,073	584,148	42,228	
18 Taxes Other Than Income	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	(8,920,632)	
19 Income Taxes - Federal	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	(1,212,166)	
20 Income Taxes - State	18,555,443	2,806,616	1,668,503	1,819,647	555,424	3,218,102	10,500	37,034	956,596	6,578,570	504,452	
21 Income Taxes Deferred	(51,379)	(7,771)	(4,620)	(5,039)	(1,539)	(8,911)	(29)	(103)	(2,649)	(19,323)	(1,397)	
22 Investment Tax Credit Adj	(74,486)	(11,240)	(6,690)	(7,466)	(2,350)	(12,920)	(42)	(149)	(3,868)	(27,716)	(2,026)	
23 Misc Revenues & Expense	30,146,691	4,541,813	2,704,977	2,898,515	933,534	5,221,379	17,161	60,131	1,556,570	11,293,322	819,290	
24 Total Operating Expenses	296,423,981	44,546,123	26,513,562	29,867,405	9,311,461	51,202,945	165,091	590,225	15,330,730	111,067,775	8,028,686	
25 Rate Base :	(540,082)	(81,489)	(48,507)	(54,277)	(17,036)	(93,677)	(302)	(1,080)	(29,048)	(200,967)	(14,689)	
26 Electric Plant In Service	513,684	137,682	62,221	40,043	11,957	74,330	1,437	991	34,428	140,524	10,171	
27 Plant Held For Future Use	71,502	10,745	6,396	7,156	2,246	12,351	40	142	3,698	26,791	1,937	
28 Electric Plant Acquisition Adj	1,402,454	210,758	125,442	140,364	44,065	242,253	781	2,792	72,533	525,490	37,966	
29 Nuclear Fuel	626,120	94,157	56,164	62,717	19,720	106,453	361	1,249	32,425	233,840	17,034	
30 Prepayments	-	-	-	-	-	-	-	-	-	-	-	
31 Materials & Supplies	-	-	-	-	-	-	-	-	-	-	-	
32 Misc Deferred Debits	-	-	-	-	-	-	-	-	-	-	-	
33 Cash Working Capital	-	-	-	-	-	-	-	-	-	-	-	
34 Weatherization Loans	-	-	-	-	-	-	-	-	-	-	-	
35 Miscellaneous Rate Base	-	-	-	-	-	-	-	-	-	-	-	
36 Total Rate Base Additions	298,487,660	44,917,666	26,715,277	29,863,407	9,372,403	51,546,654	167,408	584,320	15,445,767	111,793,453	8,081,105	
37 Rate Base Deductions :	(76,470,150)	(11,491,828)	(6,839,861)	(7,653,477)	(2,402,133)	(13,209,128)	(42,589)	(152,264)	(3,954,960)	(28,652,707)	(2,071,203)	
38 Accum Provision For Depreciation	(4,358,228)	(659,005)	(392,235)	(438,892)	(137,761)	(757,484)	(2,442)	(8,732)	(226,799)	(1,643,113)	(118,774)	
39 Accum Provision For Amortization	(35,671,350)	(5,345,603)	(3,181,668)	(3,580,134)	(1,117,390)	(6,144,432)	(19,811)	(70,828)	(1,838,711)	(13,208,321)	(963,482)	
40 Accum Deferred Income Taxes	(36,702)	(5,516)	(3,283)	(3,673)	(1,153)	(6,340)	(20)	(73)	(1,899)	(13,762)	(994)	
41 Unamortized ITC	(812,539)	(5,545)	(3,012)	(434,745)	(288,769)	-	-	(73)	(79,730)	-	-	
42 Customer Advance For Construction	(448,133)	(67,345)	(40,083)	(44,851)	(14,077)	(77,408)	(259)	(892)	(23,177)	(167,913)	(12,138)	
43 Customer Service Deposits	-	-	-	-	-	-	-	-	-	-	-	
44 Misc Rate Base Deductions	(117,724,102)	(17,574,841)	(10,460,143)	(12,135,773)	(3,961,273)	(20,194,792)	(65,113)	(233,526)	(6,126,275)	(43,905,805)	(3,166,561)	
45 Total Rate Base Deductions	180,773,558	27,343,025	16,255,135	17,727,633	5,411,130	31,351,862	102,295	380,794	9,319,491	67,987,649	4,914,544	
46 Return On Rate Base	10,006,430	1,513,529	899,777	981,285	299,524	1,735,432	5,662	19,971	516,865	3,763,347	272,037	
47 Total Operating Expenses	30,146,691	4,541,813	2,704,977	2,898,515	933,534	5,221,379	17,161	60,131	1,556,570	11,293,322	819,290	
48 Revenue Credits	(4,806,731)	(731,908)	(435,959)	(475,113)	(150,909)	(827,911)	(3,296)	(9,552)	(249,572)	(1,790,920)	(131,589)	
49 Total Revenue Requirements	35,348,390	5,323,434	3,168,795	3,504,687	1,082,149	6,128,900	19,525	70,550	1,824,864	13,265,749	959,738	
50 Return On Rate Base @ Target ROR	14,909,317	2,255,119	1,340,644	1,462,088	446,293	2,595,748	8,437	29,767	766,626	5,007,288	405,327	
51 Total Operating Expenses Adjusted for Taxes	33,165,736	4,998,158	2,876,289	3,294,383	1,023,844	5,744,630	18,866	66,152	1,714,109	12,428,011	901,312	
52 Revenue Credits	(4,806,731)	(731,908)	(435,959)	(475,113)	(150,909)	(827,911)	(3,296)	(9,552)	(249,572)	(1,790,920)	(131,589)	
53 Total Target Revenue Requirements	43,268,322	6,521,369	3,880,954	4,261,368	1,310,216	7,502,467	24,006	86,357	2,233,164	16,244,379	1,175,061	

5.54%

8.25%

Rocky Mountain Power  
 Cost Of Service By Rate Schedule - Distribution Function  
 State of Idaho  
 2010 Protocol  
 12 Months Ending December 2010

DESCRIPTION	A Idaho Jurisdiction Normalized	B	C	D	E	F	G	H	I	J	K	L	M
Operating Expenses													
Operation & Maintenance Expenses	13,934,127	3,711,079	2,072,492	1,287,703	25,406	5,273,284	214,601	31,451	1,267,389	25,371	25,371	25,371	25,371
Depreciation Expense	7,686,147	2,106,249	1,192,347	689,123	12,912	2,909,012	40,808	17,173	692,733	12,895	12,895	12,895	12,895
Amortization Expense	226,953	65,445	36,340	19,131	307	82,840	701	513	21,063	307	307	307	307
Taxes Other Than Income	1,980,369	586,841	323,838	160,779	194	709,776	3,685	4,546	186,734	1,997	1,997	1,997	1,997
Income Taxes - Federal	(1,305,682)	(386,912)	(213,511)	(106,004)	(128)	(487,965)	(2,417)	(2,997)	(123,116)	(1,316)	(1,316)	(1,316)	(1,316)
Income Taxes - State	(177,421)	(82,575)	(29,013)	(14,404)	(17)	(63,599)	(328)	(407)	(16,729)	(179)	(179)	(179)	(179)
Income Taxes Deferred	2,991,573	886,491	489,195	242,876	293	1,072,198	5,537	6,887	282,084	3,016	3,016	3,016	3,016
Investment Tax Credit Adj	(53,740)	(15,925)	(8,788)	(4,363)	(5)	(19,261)	(99)	(123)	(5,067)	(54)	(54)	(54)	(54)
Misc Revenues & Expense	29	5	3	3	1	0	0	0	2	10	10	10	10
Total Operating Expenses	25,262,354	6,900,699	3,862,904	2,254,844	38,962	9,496,281	262,468	57,023	2,305,092	42,046	42,046	42,046	42,046
Rate Base:													
Electric Plant In Service	308,705,321	89,019,434	49,429,656	26,022,662	417,787	112,679,836	953,078	697,947	28,660,502	417,210	417,210	417,210	417,210
Plant Held For Future Use	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Plant Acquisition Adj	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuclear Fuel	-	-	-	-	-	-	-	-	-	-	-	-	-
Prepayments	471,051	188,411	83,678	28,005	625	119,576	2,475	976	46,474	416	416	416	416
Fuel Stock	-	-	-	-	-	-	-	-	-	-	-	-	-
Materials & Supplies	1,658,657	478,297	285,583	139,818	2,245	605,423	5,121	3,750	153,938	2,242	2,242	2,242	2,242
Misc Deferred Debits	48,639	14,026	7,788	4,100	66	17,753	150	110	4,514	66	66	66	66
Cash Working Capital	906,471	241,421	134,824	83,770	1,653	343,047	13,981	2,046	82,449	1,650	1,650	1,650	1,650
Weatherization Loans	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous Rate Base	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Rate Base Additions	311,780,139	89,941,588	49,921,529	26,278,356	422,374	113,765,636	974,764	704,829	28,937,877	421,953	421,953	421,953	421,953
Rate Base Deductions:													
Accum Provision For Depreciation	(125,283,657)	(34,792,599)	(19,461,133)	(10,941,164)	(235,595)	(47,107,798)	(673,877)	(277,286)	(11,343,696)	(235,270)	(235,270)	(235,270)	(235,270)
Accum Provision For Amortization	(4,215,762)	(1,215,673)	(675,024)	(355,372)	(5,705)	(1,538,786)	(13,015)	(9,531)	(397,259)	(5,698)	(5,698)	(5,698)	(5,698)
Accum Deferred Income Taxes	(45,678,243)	(12,998,739)	(7,173,784)	(3,564,505)	(41,089)	(15,556,164)	(31,394)	(100,273)	(4,130,232)	(41,032)	(41,032)	(41,032)	(41,032)
Unamortized ITC	(38,388)	(11,363)	(6,274)	(3,154)	(38)	(13,715)	(57)	(88)	(3,823)	(38)	(38)	(38)	(38)
Customer Advance For Construction	(354,081)	(2,416)	(1,313)	(189,449)	(125,837)	-	-	(321)	(34,744)	-	-	-	-
Customer Service Deposits	(488,722)	(135,163)	(75,051)	(39,511)	(634)	(171,087)	(1,447)	(1,060)	(43,501)	(633)	(633)	(633)	(633)
Misc Rate Base Deductions	(174,018,853)	(48,115,912)	(27,392,580)	(15,093,176)	(408,899)	(64,337,550)	(719,790)	(386,559)	(15,947,045)	(282,871)	(282,871)	(282,871)	(282,871)
Total Rate Base Deductions	137,771,286	40,825,676	22,528,948	11,165,180	13,476	49,378,086	254,994	316,270	12,960,831	138,912	138,912	138,912	138,912
Return On Rate Base	7,626,109	2,259,840	1,247,084	619,138	746	2,733,245	14,115	17,507	719,087	7,689	7,689	7,689	7,689
Total Operating Expenses	25,262,354	6,900,699	3,862,904	2,254,844	38,962	9,496,281	262,468	57,023	2,305,092	42,046	42,046	42,046	42,046
Revenue Credits	(1,917,392)	(70,266)	(32,831)	(281,464)	(33,124)	(370,063)	(665)	(7,975)	(221,104)	(1)	(1)	(1)	(1)
Total Revenue Requirements	31,871,071	9,090,273	5,077,127	2,592,518	6,594	11,859,462	276,018	66,585	2,903,075	49,734	49,734	49,734	49,734
Return On Rate Base @ Target ROR	11,362,700	3,367,102	1,858,077	922,499	1,111	4,072,462	21,031	26,084	1,071,420	11,457	11,457	11,457	11,457
Total Operating Expenses Adjusted for Taxes	27,561,708	7,592,065	4,238,904	2,441,520	39,187	10,320,383	266,724	62,301	2,521,904	44,364	44,364	44,364	44,364
Revenue Credits	(1,917,392)	(70,266)	(32,831)	(281,464)	(33,124)	(370,063)	(665)	(7,975)	(221,104)	(1)	(1)	(1)	(1)
Total Target Revenue Requirements	37,907,016	10,878,901	6,064,150	3,082,556	7,175	14,022,782	287,190	80,411	3,372,221	55,820	55,820	55,820	55,820

