



1407 W. North Temple, Suite 310  
Salt Lake City, Utah 84116

March 15, 2017

***VIA ELECTRONIC FILING***

Utah Public Service Commission  
Heber M. Wells Building, 4<sup>th</sup> Floor  
160 East 300 South  
Salt Lake City, UT 84114

Attention: Gary Widerburg  
Commission Secretary

RE: Docket No. 17-035-14  
Application to Revise Rates in Tariff Schedule 98, Renewable Energy Credits Balancing Account

In accordance with Utah Public Service Commission Rule 746-1-203, Rocky Mountain Power hereby submits for electronic filing its Application to Revise Rates in Tariff Schedule 98, Renewable Energy Credits Balancing Account. Workpapers supporting this application will also be provided electronically.

Rocky Mountain Power respectfully requests that all formal correspondence and requests for additional information regarding this filing be addressed to the following:

By E-mail (preferred): [datarequest@pacificorp.com](mailto:datarequest@pacificorp.com)  
[Bob.lively@pacificorp.com](mailto:Bob.lively@pacificorp.com)

By regular mail: Data Request Response Center  
PacifiCorp  
825 NE Multnomah, Suite 2000  
Portland, OR 97232

Informal inquiries may be directed to Bob Lively at (801) 220-4052.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey K. Larsen".

Jeffrey K. Larsen  
Vice President, Regulation

cc: Service List – Docket No. 17-035-14

**CERTIFICATE OF SERVICE**

I hereby certify that on this 15<sup>th</sup> day of March 2017, a true and correct copy of the foregoing was served by electronic mail to the following:

**Utah Office of Consumer Services**

Cheryl Murray - [cmurray@utah.gov](mailto:cmurray@utah.gov)

Michele Beck - [mbeck@utah.gov](mailto:mbeck@utah.gov)

**Division of Public Utilities**

Chris Parker - [ChrisParker@utah.gov](mailto:ChrisParker@utah.gov)

William Powell - [wpowell@utah.gov](mailto:wpowell@utah.gov)

Erika Tedder - [etedder@utah.gov](mailto:etedder@utah.gov)

**Assistant Attorney General**

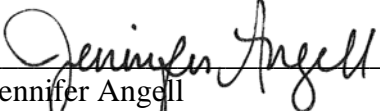
*For Division of Public Utilities*

Patricia Schmid - [pschmid@utah.gov](mailto:pschmid@utah.gov)

Justin Jetter - [jjetter@utah.gov](mailto:jjetter@utah.gov)

*For Utah Office of Consumer Services*

Robert Moore – [rmoore@utah.gov](mailto:rmoore@utah.gov)

  
\_\_\_\_\_  
Jennifer Angell  
Supervisor, Regulatory Operations

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*Attorneys for Rocky Mountain Power*

**BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH**

IN THE MATTER OF THE APPLICATION OF )  
ROCKY MOUNTAIN POWER FOR AUTHORITY TO )  
REVISE RATES IN TARIFF SCHEDULE 98, )  
RENEWABLE ENERGY CREDITS BALANCING )  
ACCOUNT )

Docket No. 17-035-14

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**APPLICATION TO REVISE RATES IN TARIFF SCHEDULE 98, RENEWABLE  
ENERGY CREDITS BALANCING ACCOUNT**

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Comes now Rocky Mountain Power (“Rocky Mountain Power” or the “Company”), with an Application to the Public Service Commission of Utah (“Commission”) respectfully requesting an order approving a rate change in the Renewable Energy Credits (“REC”) Balancing Account (“RBA”), tariff Schedule 98, pursuant to the terms and conditions of the tariff. In support of its Application, Rocky Mountain Power states as follows:

1. Rocky Mountain Power is a division of PacifiCorp, an Oregon corporation, which provides electric service to retail customers through its Rocky Mountain Power division in the states of Utah, Wyoming and Idaho, and through its Pacific Power division in the states of Oregon, California, and Washington.

2. Rocky Mountain Power is a regulated public utility in the state of Utah and is subject to the Commission's jurisdiction with respect to its prices and terms of electric service to retail customers in Utah. The Company provides retail electric service to over 830,000 customers

and has approximately 2,400 employees in Utah. Rocky Mountain Power's principal place of business in Utah is 1407 West North Temple, Suite 310, Salt Lake City, Utah 84116.

3. Communications regarding this filing should be addressed to:

Bob Lively  
Utah Regulatory Affairs Manager  
Rocky Mountain Power  
1407 West North Temple, Suite 330  
Salt Lake City, Utah 84116  
E-mail: [bob.lively@pacificorp.com](mailto:bob.lively@pacificorp.com)

Yvonne R. Hogle  
Assistant General Counsel  
Rocky Mountain Power  
1407 West North Temple, Suite 320  
Salt Lake City, Utah 84116  
E-mail: [yvonne.hogle@pacificorp.com](mailto:yvonne.hogle@pacificorp.com)

In addition, Rocky Mountain Power requests that all data requests regarding this Application be sent in Microsoft Word or plain text format to the following:

By email (preferred): [datarequest@pacificorp.com](mailto:datarequest@pacificorp.com)  
[bob.lively@pacificorp.com](mailto:bob.lively@pacificorp.com)

By regular mail: Data Request Response Center  
PacifiCorp  
825 NE Multnomah, Suite 2000  
Portland, Oregon 97232

Informal questions may be directed to Bob Lively at (801) 220-4052.

4. Tariff Schedule 98, approved by the Commission in an order issued in Docket No. 10-035-124, tracks the difference between REC revenues included in base rates and actual REC revenues collected from the sale of RECs by the Company.

5. The variances between REC revenues included in rates and actual REC revenues collected are identified and deferred each month for one full calendar year.

6. Annually on March 15, an RBA application is filed to present the variances, including applicable carrying charges, with a true-up for the difference between the amounts in rates and actual sales occurring through Tariff Schedule 98.

7. The collection or credit under Tariff Schedule 98 is to be made annually, effective June 1.

8. In this RBA filing, the deferral period was January 1, 2016 through December 31, 2016 (“Deferral Period”). The Company calculated a deferral balance for the Deferral Period of approximately \$1.4 million owing to customers over the currently effective RBA rate, to be refunded to customers over a one year period beginning June 1, 2017 through May 31, 2018.

9. The Company is proposing to revise Tariff Schedule 98 by subtracting this credit of about \$1.4 million from the approved deferral balances remaining to be collected from Dockets No. 14-035-30 (“2014 RBA”) and No. 15-035-27 (“2015 RBA”), in the total amount of \$414 thousand. In total, the Company will refund to customers beginning June 1, 2017, approximately \$968 thousand. The net change in Schedule 98 is a decrease of \$8.1 million, or 0.4 percent. This net change is the difference between the current collection level of \$7.1 million and the new proposed credit level of \$968 thousand.

10. In support of this Application, the Company has provided the testimony and exhibits of Mary M. Wiencke, Director of Environmental Policy and Strategy; Terrell H Spackman, Manager of Revenue Requirements; and Robert M. Meredith, Manager, Pricing and Cost of Service. Ms. Wiencke’s testimony addresses the historical REC sales that will be used in the calculation to set the Tariff Schedule 98 rate. Mr. Spackman’s testimony addresses the allocation of total Company sales to Utah and the calculation of the deferral component to true-up calendar

year 2016 REC sales. Mr. Meredith will address the Company's proposed REC revenue spread and REC rates in this case.

11. In her direct testimony, **Confidential Exhibit RMP\_\_\_(MMW-1)**, Ms. Wiencke presents the total Company REC revenues received for calendar year 2016. In her **Confidential Exhibit RMP\_\_\_(MMW-2)**, Ms. Wiencke provides total Company REC sales by entity, price tag, resource and vintage during the Deferral Period, with the exception of November and December 2016. Details are not provided for November and December 2016 because they are not yet known.

12. In her **Confidential Exhibit RMP\_\_\_(MMW-3)**, Ms. Wiencke provides a summary of RECs sold by entity, price tag, resource and vintage estimated for November and December 2016. Although total Company REC sales are final, the allocation of REC revenue among the Company's jurisdictions depends on the resources to which the REC sales are attributed. This assignment of Company resources to RECs sold occurs after the fact, once output from Company facilities is known and as various REC sales contracts are settled. Although total REC revenue for calendar year 2016 is known, at the time of this filing the assignment of RECs sold to individual resources in November and December 2016 was estimated since the details are not finalized. The difference between estimated and actual amounts will have a minimal impact on the Utah allocated amount, and the Company will account for such amounts in the next RBA filing.

13. In her **Confidential Exhibit RMP\_\_\_(MMW-4)**, Ms. Wiencke provides the details of the final November and December 2015 actual REC revenue by resource, which the Company agreed to provide in the 2016 RBA proceeding.

14. Mr. Spackman's direct testimony, **Exhibit RMP\_\_\_(THS-1)**, shows a table summarizing the deferred balance for the Deferral Period in the RBA of approximately \$1.4

million credit along with the calculation of the \$414 thousand remaining to be collected related to the 2014 RBA and 2015 RBA proceedings.

15. **Exhibit RMP\_\_\_(THS-1)** shows the beginning deferred balance of the RBA on January 1, 2016 of approximately \$361 thousand which was rolled over from the December 31, 2015 balance. This amount was adjusted by approximately \$456 to reflect the true-up after updated and finalized resources assignments for November and December 2015 became known.

16. The beginning 2013 REC deferred balance in the RBA on January 1, 2016 of approximately \$7.8 million and the 2014 REC deferred balance in the RBA on January 1, 2016 of approximately \$3.8 million for a total of about \$11.6 million was rolled over from the December 31, 2015 balance.

17. The actual REC sales revenue received by the Company during the 2016 Deferral Period was approximately \$3.3 million on a Utah-allocated basis, as illustrated in **Exhibit RMP\_\_\_(THS-3)**.

18. Pursuant to the settlement stipulation in Docket No. 11-035-200 (“2012 GRC Settlement Stipulation”), the Company is allowed to retain, as an incentive, ten percent of the revenues obtained from sales of RECs incremental to the forecast REC revenue included in that case of \$25 million through May 31, 2013, and thereafter incremental to the revenues received under contracts entered into after July 1, 2012. All of the REC revenue booked in calendar year 2015 qualifies for the ten percent incentive calculation. The Company calculated the incentive by taking ten percent of the Utah allocated REC revenue, resulting in a \$331 thousand incentive amount, as shown in **Exhibit RMP\_\_\_(THS-2)**.

19. The amount of REC revenues in base rates for January 1, 2016 through December 31, 2016 were set at \$2.0 million, on a Utah-allocated basis, consistent with the agreement in the

2014 GRC Settlement Stipulation, reflected as a monthly amount of REC revenues in the amount of \$167 thousand, as reflected in **Exhibit RMP\_\_\_(THS-2)**.

20. The 2017 RBA credit balance of \$1.4 million includes approximately \$36 thousand of carrying charges at the Company's most recently approved cost of debt, shown in **Exhibits RMP\_\_\_(THS-2)** and **RMP\_\_\_(THS-3)**. The 2014 RBA and 2015 RBA remaining balances of \$414 thousand, shown in **Exhibit RMP\_\_\_(THS-2)**.

21. The deferred balance to be refunded to customers through Schedule 98 is approximately \$1.4 million shown in **Exhibit RMP\_\_\_(THS-3)**.

22. The Company proposes to subtract this \$1.4 million credit from approved deferral balances remaining to be collected from the 2014 RBA and the 2015 RBA, in the collective amount of \$414 thousand, for a total refund of approximately \$968 thousand, shown in **Exhibit RMP\_\_\_(RMM-1)**.

23. The estimated balance of the 2014 RBA and the 2015 RBA as of May 31, 2017 is about \$414 thousand. The Company proposes to allocate all deferral revenues across customer classes based on the rate spread approved in the rate cases where the corresponding Base RBA revenues were set, as specifically described in Mr. Meredith's testimony.



<b>Customer Class</b>	<b>Proposed Percentage</b>
<b>Residential</b>	
Schedules 1, 2, 3	(0.48)%
<b>General Service</b>	
Schedule 23	(0.33)%
Schedule 6	(0.36)%
Schedule 8	(0.43)%
Schedule 9	(0.47)%
<b>Irrigation</b>	
Schedule 10	(0.46)%
<b>Public Street and Area Lighting Schedules</b>	
Schedules	
7, 11, 12	(0.12)%
Schedule 15	(0.24)%

24. Based on the forecast test period 12 months ending May 2017, this proposal would result in a net decrease in rates from the current surcharge of 0.4 percent.

25. Mr. Meredith's direct testimony, **Exhibit RMP\_\_\_(RMM-1)**, contains the Company's proposed rate spread. **Exhibit RMP\_\_\_(RMM-2)** contains the billing determinants and the calculations of the proposed REC rates in this case. **Exhibit RMP\_\_\_(RMM-3)** contains the proposed rates for Tariff Schedule 98. The current Schedule 98 rates will terminate on May 31, 2017, and the new Tariff Schedule 98 rates will become effective on June 1, 2017.

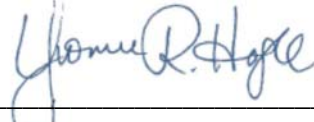
26. Pursuant to the terms and conditions of the RBA, the rate effective date of a sur-credit in the amount of \$968 thousand is June 1, 2017.

WHEREFORE, by this Application, Rocky Mountain Power respectfully requests that the Commission approve the refund of the deferral balance for the Deferral Period of approximately \$1.4 million, to be credited to customers, resulting in a net sur-credit to customers of \$968 thousand, effective on June 1, 2017.

DATED this 15th day of March, 2017.

Respectfully submitted,

ROCKY MOUNTAIN POWER

A handwritten signature in blue ink that reads "Yvonne R. Hogle". The signature is written in a cursive style with a large initial "Y".

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Yvonne R. Hogle  
Assistant General Counsel  
1407 West North Temple, Suite 320  
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Rocky Mountain Power  
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Rocky Mountain Power  
Docket No. 17-035-14  
Witness: Mary M. Wiencke

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Direct Testimony of Mary M. Wiencke  
Allocation of RBA Costs

March 2017

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

3 A. My name is Mary M. Wiencke. My business address is 825 NE Multnomah Street,  
4 Suite 600, Portland, Oregon 97232. I am employed by PacifiCorp as Director of  
5 Environmental Policy and Strategy.

6 **Q. Please describe your educational and business background.**

7 A. I have a Bachelor of Arts degree in Environmental Science from Barnard College and  
8 a J.D. from Lewis & Clark Law School. I have been employed by PacifiCorp for nine  
9 years in various positions of responsibility in both legal and policy roles.

10 **Q. Please explain your responsibilities as PacifiCorp’s Director of Environmental**  
11 **Policy and Strategy.**

12 A. My current responsibilities as Director of Environmental Policy and Strategy include  
13 developing PacifiCorp’s environmental policy, strategy, and programs as well as  
14 ensuring compliance for company-wide renewable portfolio standards ("RPS"),  
15 reporting of greenhouse gas for California, Oregon, and Washington, and overseeing  
16 environmental commodity transactions. Most relevant to this docket, I manage  
17 PacifiCorp’s renewable energy credit ("REC") portfolio including the sale of RECs in  
18 excess of compliance requirements.

19 **Summary of Testimony**

20 **Q. Please summarize your testimony.**

21 A. My testimony presents and supports the actual PacifiCorp total Company 2016 REC  
22 Revenues that were used in the calculation to set the Schedule 98 REC Balancing  
23 Account (“RBA”) surcharge that will become effective June 1, 2017. My testimony

24 provides details on the REC contracts associated with 2016 REC revenues. The direct  
25 testimony of Mr. Terrell H Spackman supports and explains the calculation of the  
26 balance in the RBA. Mr. Robert M. Meredith addresses and supports the Company's  
27 proposed rate spread and rates in Schedule 98 to recover the balance in the RBA.

28 **Q. What was the actual REC revenue for calendar year 2016?**

29 A. Actual REC revenue for calendar year 2016 was \$5.4 million on a total Company basis  
30 and \$3.3 million on a Utah-basis, as further discussed in Mr. Spackman's direct  
31 testimony and shown on page 2.1 of its attached Exhibit RMP\_\_\_\_(THS-2).

32 **Q. Is the REC revenue amount allocated to Utah customers for calendar year 2016 a**  
33 **final number?**

34 A. No. The booked REC revenue is determined from the executed contracts in 2016;  
35 however, those contracts rely on the RECs the Company transfers to counterparties  
36 using the Western Renewable Energy Generation Information System ("WREGIS").  
37 After the Company transfers the RECs to WREGIS, it takes approximately 90 days for  
38 WREGIS to verify the RECs and transfer them to the counterparties' WREGIS account.  
39 Thus, the resources related to the RECs for REC revenue in November and December  
40 2016 will not be known until March and April 2017, respectively. Any difference  
41 related to the resource allocation in WREGIS will flow through in subsequent true-ups,  
42 which the Company expects to be minimal. For example, the true-up of November and  
43 December 2015 REC revenue allocated to Utah produced a difference of only \$120.

44 **Q. Have you prepared an exhibit that provides the details of the 2016 actual REC**  
45 **revenue?**

46 A. Yes. Total Company 2016 REC revenue is detailed in Confidential Exhibits

47 RMP\_\_\_(MMW-1), RMP\_\_\_(MMW-2) and RMP\_\_\_(MMW-3).

48 **Detailed Accounting of REC Revenues**

49 **Q. Please explain Confidential Exhibits RMP\_\_\_(MMW-1), RMP\_\_\_(MMW-2) and**  
50 **RMP\_\_\_(MMW-3).**

51 A. Confidential Exhibits RMP\_\_\_(MMW-1), RMP\_\_\_(MMW-2) and RMP\_\_\_(MMW-3)  
52 provide a detailed accounting of REC revenues received for calendar year 2016.  
53 Confidential Exhibit RMP\_\_\_(MMW-1) contains a summary table of actual REC  
54 revenues by month and by resource for calendar year 2016 on a total Company basis.  
55 The resource assignments for November and December 2016 are estimated and will be  
56 updated in subsequent true-ups. Confidential Exhibit RMP\_\_\_(MMW-2) provides a  
57 summary table of actual REC sales by entity, tag price, resource, and vintage for  
58 January through October 2016. Details are provided through October 2016 because the  
59 level of detail provided in Exhibit RMP\_\_\_(MMW-2) is not yet known for November  
60 and December 2016 estimates. Confidential Exhibit RMP\_\_\_(MMW-3) provides a  
61 summary of RECs sold by entity, per REC price, resource, and vintage estimated for  
62 November to December 2016. All of the contracts contributing to 2016 REC revenues  
63 qualify for the ten percent incentive calculation that is allowed pursuant to the  
64 agreement reached in the settlement stipulation in Docket No. 11-035-200. Mr.  
65 Spackman provides further description of the ten percent incentive in his direct  
66 testimony.

67 **Q. Have you prepared an exhibit that provides the details of the final November and**  
68 **December 2015 actual REC revenue by resource? Please explain.**

69 A. Yes. Total Company November and December 2015 REC revenue by resource is

70 detailed in Confidential Exhibit RMP\_\_\_\_(MMW-4). At the time of filing the 2016  
71 RBA, the Company did not know the resource allocation of the REC revenue for these  
72 months due to the timing in the WREGIS system described above. In that filing, the  
73 Company utilized estimates of the resources for those months and committed to provide  
74 a subsequent true-up of those numbers. The true-up of the November and December  
75 2015 actual amounts is included in this filing. The difference between the estimates for  
76 those months that was used to calculate Utah-allocated REC revenue in the 2016 RBA  
77 and the actual resource allocations is discussed in the direct testimony of Mr.  
78 Spackman.

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

80 A. Yes, it does.

**CONFIDENTIAL**

Rocky Mountain Power

Exhibit RMP\_\_\_\_(MMW-1)

Docket No. 17-035-14

Witness: Mary M. Wiencke

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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**CONFIDENTIAL**

Exhibit Accompanying Direct Testimony of Mary M. Wiencke  
Actual REC Revenue Sales by Resource

March 2017



**THIS EXHIBIT IS CONFIDENTIAL  
AND IS PROVIDED UNDER  
SEPARATE COVER**

**CONFIDENTIAL**

Rocky Mountain Power  
Exhibit RMP\_\_\_\_(MMW-2)  
Docket No. 17-035-14  
Witness: Mary M. Wiencke

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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**CONFIDENTIAL**

Exhibit Accompanying Direct Testimony of Mary M. Wiencke  
Actual REC Revenue Sales by Entity, Tag Price, Resource, and Vintage – January  
through October 2016

March 2017

**THIS EXHIBIT IS CONFIDENTIAL  
AND IS PROVIDED UNDER  
SEPARATE COVER**

**CONFIDENTIAL**

Rocky Mountain Power  
Exhibit RMP\_\_\_(MMW-3)  
Docket No. 17-035-14  
Witness: Mary M. Wiencke

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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**CONFIDENTIAL**

Exhibit Accompanying Direct Testimony of Mary M. Wiencke  
Estimated REC Sales by Date, Entity, Tag Price, and Resource – November and  
December 2016

March 2017

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AND IS PROVIDED UNDER  
SEPARATE COVER**

**CONFIDENTIAL**

Rocky Mountain Power

Exhibit RMP\_\_\_(MMW-4)

Docket No. 17-035-14

Witness: Mary M. Wiencke

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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**CONFIDENTIAL**

Exhibit Accompanying Direct Testimony of Mary M. Wiencke  
Actual REC Revenue Sales by Resource – November and December 2015

March 2017

**THIS EXHIBIT IS CONFIDENTIAL  
AND IS PROVIDED UNDER  
SEPARATE COVER**

Rocky Mountain Power  
Docket No. 17-035-14  
Witness: Terrell H Spackman

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Direct Testimony of Terrell H Spackman  
Calculation of the Balance in the RBA

March 2017



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

3 A. My name is Terrell H Spackman, and my business address is 1407 West North Temple  
4 Street, Suite 330, Salt Lake City, Utah 84116.

5 **Qualifications**

6 **Q. What is your present position with the Company and what is your employment**  
7 **history?**

8 A. I am currently employed as a Manager of Revenue Requirements for the Company. I  
9 have been employed by PacifiCorp and its predecessor, Utah Power and Light  
10 Company since 1984. Prior to my current position, I was manager of Planning and  
11 Financial Analysis.

12 **Q. What are your responsibilities as Manager of Revenue Requirements?**

13 A. My responsibilities include managing the calculation of the Company’s revenue  
14 requirement, the preparation of business plan regulatory results, and the preparation of  
15 the Company’s Renewable Energy Credit (“REC”) filings in various states.

16 **Q. What is your educational background?**

17 A. I received a Bachelor of Science degree in Accounting and a Master of Accountancy  
18 degree from Brigham Young University with an emphasis in Management Accounting.  
19 I have also attended various educational, professional, and electric-industry related  
20 seminars in connection with my employment.

21 **Q. Have you testified in previous proceedings?**

22 A. Yes. I have provided testimony in proceedings before the Public Service Commission  
23 of Utah.

24 **Purpose of Testimony**

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

26 A. The purpose of my testimony is to support and explain the calculation of the balance in  
27 the REC Balancing Account (“RBA”). Specifically, I describe the calculation of the  
28 \$1.4 million balance the Company is requesting to return to Utah customers, which is  
29 the true-up of calendar year 2016 REC sales. My testimony also describes the \$414  
30 thousand deferral balance remaining to be collected that was approved by the  
31 Commission in Docket No. 14-035-30 (“2014 RBA”) and Docket No. 15-035-27  
32 (“2015 RBA”). Together, the deferrals from these three filings result in a total balance  
33 of \$968 thousand to be returned to customers over a one year period beginning June 1,  
34 2017 pursuant to Schedule 98. My testimony provides details on how these numbers  
35 were calculated, including:

- 36 • The split of the total \$968 thousand deferral balance between the \$1.4 million  
37 request in this filing ("2017 RBA") and the \$414 thousand that is remaining to be  
38 collected related to the 2014 RBA and 2015 RBA.
- 39 • The calculation of the \$1.4 million 2017 RBA deferral balance, which is being  
40 requested for approval in this filing (the "2017 RBA Deferral Balance"), including:
  - 41 • The allocation of calendar year 2016 REC revenues;
  - 42 • The calculation of the ten percent incentive as provided in the settlement  
43 stipulation in Docket No. 11-035-200 (the "2012 Stipulation”);
  - 44 • The revenues associated with the Leaning Juniper contract;
  - 45 • The calculation of the calendar year 2016 REC revenues included in base  
46 rates; and

- 47                   • The calculation of carrying charges that were applied to the 2017 RBA  
48                   deferral balance.
- 49                   • The calculation of the \$414 thousand remaining of the 2014 RBA deferral balance  
50                   and the 2015 RBA deferral balance, approved in the 2014 RBA (the "Remaining  
51                   2014 RBA Deferral Balance") and the 2015 RBA (the "Remaining 2015 RBA  
52                   Deferral Balance"), including:
- 53                   • The determination of the beginning RBA balance January 1, 2016; and  
54                   • The amount of surcharges that were paid by Utah customers.

55 **Q. Please provide a brief summary of how the RBA is calculated.**

56 A. On September 13, 2011, a stipulation (the "2011 Stipulation") was approved by the  
57 Commission that resolved several dockets, including Docket Nos. 10-035-14 and 10-  
58 035-124. In the 2011 Stipulation, the parties established a REC balancing account  
59 mechanism to track the difference between REC revenues included in rates and actual  
60 REC revenues collected. Under the RBA, the variances are identified and deferred each  
61 month for one calendar year (the "Deferral Period"). In this 2017 RBA filing, the  
62 deferral period was January 1, 2016 through December 31, 2016. Annually on March  
63 15, an RBA application is filed pursuant to Schedule 98 for approval of collection or  
64 refund of the true-up amount, representing the differences, including applicable  
65 carrying charges.

66 **Q. Please describe the Company's RBA filing.**

67 A. By employing the methodology described above, the total RBA deferral balance related  
68 to calendar year 2016 REC sales to be credited to customers through Schedule 98 is  
69 approximately \$1.4 million. This amount will be credited over one year beginning June

70 1, 2017. Also, in the 2014 RBA, the Commission approved a deferral balance of  
 71 approximately \$17.0 million, to be collected over three years beginning June 1, 2014.  
 72 In the 2015 RBA, the Commission approved a deferral balance of approximately \$5.6  
 73 million, to be collected over two years beginning June 1, 2015. Schedule 98 rates were  
 74 approved in the 2015 RBA, effective June 1, 2015, and in the 2016 RBA, effective June  
 75 1, 2016, to continue to collect the 2014 RBA and the 2015 RBA balances. The Company  
 76 will continue to collect the 2014 RBA deferral balance and the 2015 RBA deferral  
 77 balance, of which \$414 thousand remains, through May 31, 2018. The table below  
 78 provides a summary of these amounts.

**2017 RBA Deferral Balance Calculation:**

2016 REC Revenue Deferred Balance @ December 31, 2016	\$ 361,127
True Up for using actual resource allocations for Nov.15 & Dec.15	456
REC Revenue Deferred Balance @ December 31, 2016 in this RBA filing	<u>361,582</u>
2016 Actual REC Revenue	3,313,125
10% retention incentive on incremental REC sales	(331,313)
2016 Leaning Juniper Contract Revenue	3,087
2016 REC Revenues in Base Rates	(2,000,000)
Carrying Charges for Deferral Period (January - December 2016)	11,149
Carrying Charges for Interim Period (January 2017 - May 2017)	<u>24,465</u>
<b>Total 2017 RBA Deferral Balance</b>	<b>\$ 1,382,095</b>

**Remaining 2014 & 2015 RBA Deferral Balance Calculation:**

2014 RBA Deferred Balance @ December 31, 2015	\$ (7,843,679)
2015 RBA Deferred Balance @ December 31, 2015	(3,831,032)
REC Revenue Deferred Balance @ December 31, 2015 in this RBA filing	<u>(11,674,711)</u>
Carrying Charges for Collection Period (June 2016 - May 2017)	-
2016 Schedule 98 Surcharges	7,962,043
Estimated Schedule 98 Surcharge January 1 - May 31, 2017	<u>3,298,700</u>
<b>Total 2014 RBA &amp; 2015 RBA Remaining Deferral Balance</b>	<b>\$ (413,967)</b>

<b>Total Deferral Balance to be Returned to Customers</b>	<b>\$ 968,128</b>
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79 Exhibit RMP\_\_\_\_(THS-1) is an electronic version of the table shown above,  
 80 including supporting calculations and is linked to Exhibits RMP\_\_\_\_(THS-2) and  
 81 RMP\_\_\_\_(THS-3).

82 **Q. Why is it necessary to track the deferral balances related to the 2017, 2015, and**  
83 **2014 RBA filings separately?**

84 A. Until the 2015 RBA filing, remaining balances related to prior years' RBA filings were  
85 simply rolled into the balance as of January 1, combined with the current deferral, and  
86 walked forward as one deferral balance. In the 2012 Stipulation, paragraphs 37 and 38  
87 stated:

88 37. The parties agree that any difference between base REC  
89 revenues and actual REC revenues as determined by the  
90 Commission for calendar year 2013 should be recovered or  
91 returned over a three-year period from the effective date of the  
92 approved rate change to collect or refund such balance, with no  
93 carrying charges during such three-year collection or refund  
94 period.

95 38. The Parties agree that any difference between base REC  
96 revenues and actual REC revenues as determined by the  
97 Commission for calendar year 2014 should be recovered or  
98 returned over a two-year period from the effective date of the  
99 approved rate change to collect or refund such balance, with no  
100 carrying charges during such two-year collection or refund  
101 period.

102 In order to calculate carrying charges correctly, the deferral amounts related to  
103 the 2014 and 2015 RBA balances are shown separately from the deferral amount related  
104 to the 2017 RBA in Exhibits RMP\_\_\_\_(THS-2) and RMP\_\_\_\_(THS-3). The calculation

105 of carrying charges that were applied to each deferral balance is described later in my  
106 testimony.

107 **Q. Please describe how your Exhibits RMP\_\_(THS-2) and RMP\_\_(THS-3) are**  
108 **organized.**

109 A. Exhibits RMP\_\_(THS-2) and RMP\_\_(THS-3) include the supporting documents for  
110 the Company's proposed change to tariff Schedule 98 rates and provide the detailed  
111 calculation of the \$968 thousand total deferral balance presented in this filing. Exhibit  
112 RMP\_\_(THS-2) shows the monthly detail for calendar year 2016 for the 2017 RBA  
113 Deferral Balance and the Remaining 2014 & 2015 RBA Balances. Exhibit  
114 RMP\_\_(THS-3) shows the monthly detail for calendar year 2017 for the 2017 RBA  
115 Deferral Balance and the Remaining 2014 & 2015 RBA Balances. Page 2.1 of the  
116 exhibit shows the calculation used to determine the Utah allocated actual 2016 REC  
117 revenues, illustrating the reallocation of revenue for renewable portfolio standard  
118 ("RPS") eligibility. Page 2.2 provides the calculation of the System Generation ("SG")  
119 allocation factor that was used on page 2.1 as the basis to allocate REC revenue to Utah.  
120 The allocation factors are consistent with those used in the energy balancing account  
121 ("EBA") filing.

## 122 **Calculation of the 2017 RBA Deferral Balance**

123 **Q. Please describe how the 2017 RBA Deferral Balance was calculated.**

124 A. The \$1.4 million 2017 RBA Deferral Balance represents the difference between actual  
125 REC revenue booked by the Company during calendar 2016, less the ten percent  
126 incentive retained by the Company, and the amount of REC revenue set in base rates.  
127 This balance accrued carrying charges during the deferral period (calendar year 2016)

128 and the interim period (January through May 2017). Each of these items is described  
129 below.

130 **Q. Please describe how the 2016 Utah allocated booked REC revenue was calculated.**

131 A. During calendar year 2016, the Company booked \$5.4 million from REC sales on a  
132 total Company basis. Utah's allocated share of REC revenue is determined using the  
133 SG factor, including a reallocation of revenue initially allocated system wide to reflect  
134 compliance with state renewable portfolio standards. The resulting Utah allocated  
135 amount of REC revenue during 2016 was \$3.3 million, as shown in Exhibit  
136 RMP\_\_\_\_(THS-2) on page 2.1.

137 **Q. Please describe the ten percent incentive that parties agreed to in the 2012**  
138 **Stipulation.**

139 A. The parties to the 2012 Stipulation agreed that the Company would be allowed to retain  
140 ten percent of the revenues obtained from sales of RECs incremental to the forecast  
141 REC revenue included in that case of \$25 million through May 31, 2013, and thereafter  
142 incremental to the revenues received under contracts memorialized in Confidential  
143 Exhibit B to the 2012 Stipulation. The contracts that were listed as excludable from the  
144 ten percent incentive calculation all expired during 2012. Thus, all of the REC revenue  
145 booked in calendar year 2016 qualifies for the ten percent incentive calculation. The  
146 Company calculated the incentive by taking ten percent of the Utah allocated REC  
147 revenue as shown in Exhibit RMP\_\_\_\_(THS-2), line 4, resulting in \$331 thousand.

148 **Q. Please explain the REC revenue attributable to the Leaning Juniper contract REC**  
149 **revenues shown on Exhibit RMP\_\_\_\_(THS-2), line 6.**

150 A. The Leaning Juniper contract revenues shown on line 6 represent the REC revenue the

151 Company received from the Leaning Juniper contract. The Company booked  
152 approximately \$7 thousand during calendar year 2016 related to the REC component  
153 of the contract. The Utah allocated amount of these revenues is approximately \$3  
154 thousand and is included as a credit to Utah customers in this RBA filing.

155 **Q. How was the amount of 2016 REC revenue in base rates determined?**

156 A. The REC revenue in rates during 2016 was determined in accordance with the amounts  
157 set in Docket No. 13-035-184 ("2014 GRC"). The amount of REC revenue in base rates  
158 was set to \$2.0 million Utah-allocated, which equates to approximately \$167 thousand  
159 per month. These monthly amounts are reflected accordingly in Exhibit RMP\_\_\_\_(THS-  
160 2) and produce a total of \$2 million in Utah-allocated REC revenues during calendar  
161 year 2016.

162 **Q. Did you apply carrying charges to the 2017 RBA Deferral Balance in this filing?**  
163 **If so, please describe how they were calculated.**

164 A. Yes. Approximately \$36 thousand in carrying charges were applied to arrive at the \$1.4  
165 million 2017 RBA Deferral Balance. Of this amount, approximately \$11 thousand were  
166 accrued during the deferral period (calendar year 2016) and approximately \$25  
167 thousand were accrued during the interim period (January through May 2017). The  
168 Company's most recently approved weighted cost of debt was applied to the monthly  
169 deferral balance to calculate the monthly carrying charge from January 2016 to  
170 February 2016. The weighted cost of debt used from January 1, 2016 to February 29,  
171 2016 was 5.20 percent as stipulated in the 2014 GRC. The carrying charge rate used  
172 from March 1, 2016 to February 28, 2017 was 4.45 percent as ordered in Docket No.  
173 15-035-69.



174 **Q. Please describe how carrying charges were calculated for the January 1, 2017**  
175 **through May 31, 2017 period in Exhibit RMP\_\_\_(THS-3).**

176 A. Carrying charges for January and February 2017 were calculated using the carrying  
177 charge rate of 4.45 percent as ordered in Docket No. 15-035-69. From March 2017  
178 through May 2017, the carrying charge rate of 4.19 percent was used as ordered in  
179 Dockets No. 17-035-T02 and 15-035-69.

180 **Remaining 2014 and 2015 RBA Deferral Balances**

181 **Q. Please clarify what the Remaining 2014 RBA Deferral Balance in this filing**  
182 **represents and why the Company included it in this filing.**

183 A. In the 2014 RBA, the Company requested a total deferral balance to be collected from  
184 customers of approximately \$17 million, related to the deferral of the difference in  
185 calendar year 2013 REC revenue and the amount in base rates. Consistent with the  
186 2012 Stipulation, the amount was to be collected from customers over a three year  
187 period, June 1, 2014 through May 31, 2017. Thus the \$278 thousand Remaining 2014  
188 RBA Deferral Balance represents the remaining deferral balance that has not yet been  
189 collected from customers. This balance includes carrying charges accrued during the  
190 deferral period (calendar year 2013) and the interim period (January through May  
191 2014). Carrying charges are not applied during the collection period (June 2014 through  
192 May 2017).

193 **Q. Please clarify what the Remaining 2015 RBA Deferral Balance in this filing**  
194 **represents and why the Company included it in this filing.**

195 A. In the 2015 RBA, the Company requested a total deferral balance to be collected from  
196 customers of approximately \$5.6 million, related to the deferral of the difference in

197 calendar year 2014 REC revenue and the amount in base rates. Per the 2012 Stipulation,  
198 that amount was to be collected from customers over a two year period, June 1, 2015  
199 through May 31, 2017. The \$136 thousand Remaining 2015 RBA Deferral Balance  
200 represents the remaining deferral balance that has not yet been collected from  
201 customers. This balance includes carrying charges accrued during the deferral period  
202 (calendar year 2014) and the interim period (January through May 2015). Carrying  
203 charges are not applied during the collection period (June 2015 through May 2017).

204 **Q. How was the \$278 thousand Remaining 2014 RBA Deferral Balance and the \$136**  
205 **thousand Remaining 2015 RBA Deferral Balance determined?**

206 A. To calculate the \$278 thousand Remaining 2014 RBA Deferral Balance, the Company  
207 started with the \$7.8 million 2014 RBA deferred balance as of December 31, 2015.  
208 From this, actual amounts collected through Schedule 98 were subtracted to arrive at  
209 the total amount remaining.

210 To calculate the \$136 thousand Remaining 2015 RBA Deferral Balance, the  
211 Company started with the \$3.8 million 2015 RBA deferred balance as of December 31,  
212 2015. From this, actual amounts collected through Schedule 98 were subtracted to  
213 arrive at the total amount remaining.

214 **Q. How did the Company determine the REC revenue beginning deferred balance as**  
215 **of January 1, 2016?**

216 A. The REC revenue deferred balance of \$11.7 million for January 1, 2016 consists of the  
217 December 31, 2015 ending deferred balance for the 2014 and 2015 RBAs shown in  
218 Exhibit RMP\_\_\_\_(THS-2), line 21 in the 2016 RBA.

219 **Q. Are any adjustments to the January 1, 2016 beginning balance necessary?**

220 A. Yes. In the 2016 RBA filing, the resource assignments for the November and December  
221 2015 REC revenue were estimated. The total Company REC sales amounts for those  
222 months were known at the time of filing; however, the specific assignment of RECs  
223 sold by individual resources in November and December 2015 was not finalized. The  
224 updated resource assignments for November and December 2015 are provided in Ms.  
225 Mary M. Wiencke's Confidential Exhibit RMP\_\_(MMW-4). The Company  
226 committed to flow through the difference in this filing. The update increases the Utah  
227 allocated share of November and December 2015 actual REC sales by approximately  
228 \$456. The January 1, 2016 starting balance was increased by this amount to reflect the  
229 final amounts. A similar true-up was included in the 2016 RBA to true-up November  
230 and December 2014 resources and will also be necessary in the 2018 RBA to reflect  
231 the update of the November and December 2016 resources that are currently estimated  
232 in this filing.

233 **Q. What was the total 2016 Schedule 98 collection level approved by the**  
234 **Commission?**

235 A. The 2016 RBA established a \$7.1 million surcharge, which reset the rate on June 1,  
236 2016. In total, the Company collected approximately \$8 million in surcharges through  
237 Schedule 98 during calendar year 2016. The monthly amounts are shown in Exhibit  
238 RMP\_\_(THS-2), line 15.

239 **Q. Please describe what the Estimated Schedule 98 January 1, 2017 - May 31, 2017**  
240 **represents.**

241 A. This represents an estimate of the collections from current Schedule 98 rates from

242 January through May 2017. With the exception of January 2017, the monthly amounts  
243 shown on Exhibit RMP\_\_\_\_(THS-3), line 5 are estimated, as the actual amounts were  
244 not known at the time of filing. The Company will update the February through May  
245 actual collections as part of the 2018 RBA filing.

246 **Q. Why are the Estimated Schedule 98 charges for January through May of 2017**  
247 **included in your deferral calculation?**

248 A. As discussed earlier, the deferral balance established in the 2014 RBA and 2015 RBA  
249 were to be collected from customers through May 31, 2017. Thus, it is necessary to  
250 subtract the January through May 2017 collections to correctly represent the May 31,  
251 2017 ending balance.

252 **Q. Please explain why a portion of the Estimated Schedule 98 January 1 through May**  
253 **31 appears in the June 2017 section of Exhibit RMP\_\_\_\_(THS-3).**

254 A. This represents the amount that is related to customer usage prior to June 1, 2017, but  
255 due to billing cycle lag, will not be included on customer bills until June 2017.

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

257 A. Yes.

Rocky Mountain Power  
Exhibit RMP\_\_(THS-1)  
Docket No. 17-035-14  
Witness: Terrell H Spackman

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Terrell H Spackman  
Summary of Utah REC Balancing Account

March 2017

Rocky Mountain Power  
 Utah REC Balancing Account  
 March 15, 2017

Summary of REC Balancing Account (Schedule 98)

Line No.	Reference	Amount
<b>2017 RBA Deferral Balance Calculation:</b>		
1	2016 REC Revenue Deferred Balance @ December 31, 2016	\$ 361,127
2	True Up for using actual resource allocations for Nov.15 & Dec.15	456
3	REC Revenue Deferred Balance @ December 31, 2016 in this RBA filing	361,582
4	2016 Actual REC Revenue	3,313,125
5	10% retention incentive on incremental REC sales	(331,313)
6	2016 Leaning Juniper Contract Revenue	3,087
7	2016 REC Revenues in Base Rates	(2,000,000)
8	Carrying Charges for Deferral Period (January - December 2016)	11,149
9	Carrying Charges for Interim Period (January 2017 - May 2017)	24,465
10	<b>Total 2017 RBA Deferral Balance</b>	<b>\$ 1,382,095</b>
<b>Remaining 2014 &amp; 2015 RBA Deferral Balance Calculation:</b>		
11	2014 RBA Deferred Balance @ December 31, 2015	\$ (7,843,679)
12	2015 RBA Deferred Balance @ December 31, 2015	(3,831,032)
13	REC Revenue Deferred Balance @ December 31, 2015 in this RBA filing	(11,674,711)
14	Carrying Charges for Collection Period (June 2016 - May 2017)	-
15	2016 Schedule 98 Surcharges	7,962,043
16	Estimated Schedule 98 Surcharge January 1 - May 31, 2017	3,298,700
	<b>Total 2014 RBA &amp; 2015 RBA Remaining Deferral Balance</b>	<b>\$ (413,967)</b>
	<b>Total Deferral Balance to be Returned to Customers</b>	<b>\$ 968,128</b>

Rocky Mountain Power  
Exhibit RMP\_\_(THS-2)  
Docket No. 17-035-14  
Witness: Terrell H Spackman

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Terrell H Spackman  
Calculation of REC Revenue Deferred Balance – Calendar Year 2016

March 2017

Rocky Mountain Power  
 Utah REC Balancing Account  
 March 15, 2017  
 Calendar Year 2016

2017 RBA (Deferral of CY 2016 REC Revenue)

Line No.	Reference	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
1	Actual REC Revenue	49,772	(5,297)	(5,297)	201	275,854	595,891	595,891	602,669	1,322,748	2,09,825	1,482,093	613,512	5,397,171
2	Total Company REC Revenue	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%	61.39%
3	Allocation Rate	30,553	(3,252)	(3,252)	124	169,337	365,796	365,796	369,956	811,986	1,29,804	909,802	376,619	3,313,125
4	Utah Allocated	3,055	(325)	(325)	12	16,834	36,500	36,500	36,996	81,199	12,880	90,980	37,661	331,313
5	10% Incentive	27,698	(2,926)	(2,926)	111	152,403	329,216	329,216	332,961	730,788	115,924	818,822	339,951	2,981,813
6	Net Utah Allocated REC Revenue	182	82	82	886	203	258	258	249	206	208	139	140	3,087
7	Leaning Juniper Revenue CY 201	27,680	(2,844)	(2,844)	947	152,606	329,474	329,474	333,210	730,994	116,132	818,961	339,091	2,984,899
8	Total Utah Allocated REC Revenue	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	2,000,000
9	Docket No. 13-035-184 Projected UT Allocated Step 1	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	2,000,000
10	Total in Rates	(139,886)	(169,511)	(169,511)	(165,720)	(14,060)	162,807	(28,309)	166,543	564,327	(50,535)	652,295	172,425	984,899
11	CY 2016 Deferral Balance	361,662	203,865	203,865	54,663	(110,670)	(105,367)	37,277	(139,071)	8,155	673,659	525,057	1,100,609	984,899
12	Monthly Deferral	(139,886)	(169,511)	(169,511)	(165,720)	(14,060)	162,807	(28,309)	166,543	564,327	(50,535)	652,295	172,425	1,148
13	Monthly Deferral	1,266	603	603	(103)	(437)	(163)	(170)	1,077	3,157	2,033	3,157	4,697	11,148
14	Ending Deferral Balance - 2017 RBA	223,882	54,953	54,953	(110,670)	(125,367)	37,277	(129,271)	(158,111)	8,155	573,559	525,057	1,180,509	1,357,631

Remaining 2014 RBA & 2015 RBA Deferral Balance (Footnote 5)

Line No.	Reference	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Total
15	Schedule 88 Surcredits/(Surcharges) Billed	(759,651)	(670,326)	(595,500)	(564,575)	(598,898)	(729,759)	(816,779)	(860,826)	(720,820)	(556,270)	(499,400)	(591,259)	(7,962,043)
16	2014 RBA Beginning Deferral Balance	(7,843,079)	(7,333,373)	(6,883,014)	(6,482,926)	(6,103,615)	(5,702,588)	(5,212,305)	(4,683,550)	(4,085,135)	(3,600,850)	(3,227,119)	(2,891,597)	(2,891,597)
17	2015 RBA Beginning Deferral Balance	(3,931,032)	(3,391,797)	(2,851,821)	(2,316,408)	(1,781,145)	(1,245,808)	(700,493)	(159,274)	(1,995,273)	(1,759,737)	(1,576,199)	(1,412,322)	(1,412,322)
18	Total Deferral Balance	(12,705,762)	(11,815,546)	(11,017,835)	(10,501,842)	(9,884,658)	(9,174,152)	(8,319,572)	(7,502,398)	(6,728,058)	(5,966,877)	(5,252,946)	(4,604,119)	(4,604,119)
19	Total Surcharges	759,651	670,326	595,500	564,575	598,898	729,759	816,779	860,826	720,820	556,270	499,400	591,259	7,962,043
20	Carrying Charge	(10,915,160)	(10,244,835)	(9,649,335)	(9,084,760)	(8,487,853)	(7,758,113)	(6,941,334)	(6,080,408)	(5,359,588)	(4,603,918)	(4,303,918)	(3,712,668)	(3,712,668)
21	Ending Deferral Balance - 2014 RBA & 2015 RBA	(10,691,298)	(10,169,882)	(9,750,205)	(9,210,127)	(8,650,586)	(7,987,383)	(7,099,445)	(6,072,253)	(4,766,029)	(4,278,260)	(3,123,410)	(2,355,037)	(2,355,037)

Carrying Charge Rates  
 23 Carrying Charge Rate (Jan 2016 - Feb 2016) 5.20%  
 24 Carrying Charge Rate (Mar 2016 - Feb 2017) 4.45%

FOOTNOTES:  
 1) The Stipulation in Docket No. 11-035-200, paragraph 39 permits the Company to retain 10% of Utah-allocated REC revenue received after July 31, 2013, incremental to certain contracts executed before July 1, 2012. The excludable contracts listed in Exhibit B to the 2012 GRC stipulation terminated during 2012, so all REC revenue booked January 1, 2016 through December 31, 2016 is eligible for the 10% retention.  
 2) The REC revenue for January 1, 2016 through December 31, 2016 is consistent with the stipulation in Docket No. 13-035-184, page 9, paragraph 29 (\$2 million Utah allocated per year).  
 3) The beginning balance shown for January represents the \$361,127 ending December 31, 2015 balance from Docket No. 16-035-10, plus a true up of \$456 related to replace the November 2016 and December 2016 resource allocation estimates with actual resource allocated estimates for November 2016 and December 2016.  
 4) The carrying charge of 5.20 percent applied to January through February represents the weighted cost of debt determined in Docket No. 13-035-184. The carrying charge of 4.45 percent applied to March through December represents the carry charge determined in Docket No. 15-035-69.  
 5) This section represents the 2014 RBA and 2015 RBA balance activity during the calendar year 2016.  
 6) The beginning balance shown for January represents the \$7.8 million ending December 31, 2015 balance from Docket No. 16-035-10 on line 16 of RMP (THS-2).  
 7) The beginning balance shown for January represents the \$3.6 million ending December 31, 2015 balance from Docket No. 16-035-10 on line 17 of RMP (THS-2).  
 8) For the stipulation in the 2012 GRC, carrying charges for the 2014 RBA will not be applied during the three year collection period, June 2014 through May 2017. Carrying charges for the 2015 RBA will not be applied during the two year collection period, June 2015 - May 2017.



Rocky Mountain Power  
 Utah REC Balancing Account  
 March 15, 2017

Calculation of Utah Allocated REC Actuals for CY 2016

Jan - Dec 2016 - Actual REC Revenues - CA/ORWA Eligible Resources(1)	\$ 1,450,969
Jan - Dec 2016 - Actual REC Revenues - CA/OR Eligible Resources(1)	\$ 3,658,735
Jan - Dec 2016 - Actual REC Revenues - CA Eligible Resources(1)	\$ 287,466
Total Jan - Dec 2016 REC Revenues	\$ 5,397,171

Reallocate Jan - Dec 2016 REC Revenues for Renewable Portfolio Standards

	Factor	Total	California	Oregon	Washington	Wyoming	Utah	Idaho	FERC
		100.000%	1.528%	25.636%	7.998%	14.945%	43.865%	5.993%	0.035%
CY 2016 Actual SG Factor - See Page 2.2	SG	1,450,969	22,164	371,975	116,042	216,850	636,469	86,956	512
Actual Jan - Dec 2016 REC Rev - Eligible for CA/ORWA RPS	SG	786,848	12,019	201,719	62,929	117,596	345,152	47,156	278
Adjustment for RPS/Commission Order	SG	(786,848)	(34,183)	(573,693)	(178,971)				
Adjustment for RPS/Commission Order	Situs								
Actual Jan - Dec 2016 REC Revenues - Reallocated totals		1,450,969	-	-	-	334,446	981,621	134,112	790
Actual Jan - Dec 2016 REC Rev - Eligible for CA/OR RPS	SG	3,658,735	55,888	937,964	292,610	546,805	1,604,909	219,267	1,292
Adjustment for RPS/Commission Order	SG	1,364,504	20,843	349,808	109,127	203,928	598,541	81,774	482
Adjustment for RPS/Commission Order	Situs	(1,364,504)	(76,731)	(1,287,773)					
Actual Jan - Dec 2016 REC Revenues - Reallocated totals		3,658,735	-	-	401,738	750,733	2,203,450	301,041	1,773
Actual Jan - Dec 2016 REC Rev - Eligible for CA RPS Only	SG	287,466	4,391	73,696	22,990	42,962	126,097	17,228	101
Adjustment for RPS/Commission Order	SG	4,459	68	1,143	357	666	1,956	267	2
Adjustment for RPS/Commission Order	Situs	(4,459)	(4,459)	(80,102)					
Actual Jan - Dec 2016 REC Revenues - Reallocated totals		287,466	-	(5,263)	23,347	43,629	128,054	17,495	103
Reallocated REC Revenues for Jan - Dec 2016	SG	2,155,811	32,931	552,670	172,413	322,190	945,649	129,197	761
	Situs	(2,155,811)	(115,374)	(1,941,568)	(178,971)				
Actual Jan - Dec 2016 REC Revenues - Total Reallocated		5,397,171	-	(5,263)	425,085	1,128,808	3,313,125	452,648	2,666

Reference  
 61.39% C = B / A  
 3,313,125 D = C \* A

SG Factor  
 Total  
 7,037  
 3,087  
 43.87%

Learning Juniper Revenue - amounts booked in SAF  
 Utah allocated Learning Juniper Revenue

1) Exhibit RMP (MMW-1) provides the actual 2016 REC revenue by resource.  
 2) November 2016 and December 2016 REC revenue sales by resource are estimated as they were not available at the time of filing.

Rocky Mountain Power  
Utah REC Balancing Account  
March 15, 2017

Calculation of Utah CY 2016 Actual Allocation Factors

Coincident Peaks:

Year	Month	Day	hour	CA	OR	WA	UT	ID	WY	FERC	Total
2016	1	4	18	134	2,288	738	3,374	446	1,235	3	8,218
2016	2	2	8	145	2,297	712	3,299	425	1,187	3	8,068
2016	3	15	8	125	2,058	604	2,909	346	1,166	2	7,211
2016	4	26	8	119	1,926	508	2,826	368	1,083	2	6,833
2016	5	31	17	122	1,970	590	3,194	495	1,090	2	7,463
2016	6	28	16	134	2,202	772	4,563	839	1,232	3	9,745
2016	7	28	17	139	2,463	817	4,812	503	1,201	3	9,939
2016	8	1	17	134	2,157	687	4,716	646	1,219	3	9,562
2016	9	1	15	110	1,821	588	4,080	588	1,222	3	8,381
2016	10	19	8	114	1,917	601	2,868	380	1,089	2	6,971
2016	11	30	18	124	2,089	607	3,415	383	1,237	3	7,858
2016	12	14	18	124	2,584	818	3,477	408	1,255	5	8,672
Total 12 CP				1,524	25,774	8,042	43,532	5,798	14,216	35	98,921
System Capacity Factor				1.5404%	26.0549%	8.1299%	44.0071%	5.8612%	14.3709%	0.0355%	100.0000%

Energy:

Year	Month	CA	OR	WA	UT	ID	WY	FERC	Total		
2016	1	79,586	1,354,868	436,418	2,184,174	291,364	885,736	1,917	5,234,063		
2016	2	66,291	1,152,783	354,439	1,969,948	255,515	784,618	1,607	4,585,201		
2016	3	68,639	1,168,755	344,465	1,921,046	246,428	805,519	1,513	4,556,366		
2016	4	62,106	1,035,377	302,898	1,843,949	238,594	748,859	1,382	4,233,165		
2016	5	71,221	1,072,150	326,684	1,962,707	307,756	748,789	1,333	4,490,640		
2016	6	77,001	1,151,914	346,858	2,294,097	472,531	802,107	1,653	5,146,161		
2016	7	84,308	1,206,505	384,563	2,586,805	474,834	827,096	1,769	5,565,881		
2016	8	85,033	1,299,557	410,499	2,480,642	386,852	812,863	1,657	5,477,101		
2016	9	63,127	1,060,343	344,166	2,014,297	275,247	804,787	1,369	4,563,336		
2016	10	60,814	1,105,201	352,151	1,926,162	252,514	813,365	1,342	4,511,548		
2016	11	65,771	1,134,000	354,260	1,940,762	231,092	795,706	1,489	4,523,081		
2016	12	84,255	1,475,032	474,671	2,205,376	292,328	889,894	3,173	5,424,728		
Total Energy				868,152	14,216,484	4,432,072	25,329,966	3,725,055	9,719,338	20,203	58,311,271
System Energy Factor				1.4888%	24.3803%	7.6007%	43.4392%	6.3882%	16.6680%	0.0346%	100.0000%
System Generation Factor				1.5275%	25.6363%	7.9976%	43.8651%	5.9930%	14.9452%	0.0353%	100.0000%

Rocky Mountain Power  
Exhibit RMP\_\_(THS-3)  
Docket No. 17-035-14  
Witness: Terrell H Spackman

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Terrell H Spackman  
Calculation of REC Revenue Deferred Balance – Calendar Year 2017

March 2017

Rocky Mountain Power  
 Utah REC Balancing Account  
 March 15, 2017

Calendar Year 2017 (Footnote 1)

2017 RBA

Line No.	Reference	2017 RBA - Interim Period						Total
		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	
1	Beginning Deferral Balance	1,357,631	1,362,665	1,367,718	1,372,494	1,377,286	1,382,095	
2	Monthly Deferral	-	-	-	-	-	-	
3	Carrying Charge	5,035	5,053	4,776	4,792	4,809	N/A	
4	<b>Ending Deferral Balance - 2017 RBA</b>	<b>1,362,665</b>	<b>1,367,718</b>	<b>1,372,494</b>	<b>1,377,286</b>	<b>1,382,095</b>	<b>1,382,095</b>	

2014 & 2015 RBA

Line No.	Reference	2014 & 2015 RBA - Collection Period						Total
		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	
5	Schedule 98 Surcharge	(598,700)	(600,000)	(600,000)	(600,000)	(600,000)	(300,000)	
6	2014 RBA Beginning Deferral Balance	(2,494,364)	(2,092,125.53)	(1,689,014)	(1,285,903)	(882,792)	(479,680)	
7	2015 RBA Beginning Deferral Balance	(1,218,304)	(1,021,841.80)	(824,953)	(628,064)	(431,176)	(234,287)	
8	Beginning Deferral Balance	(3,712,668)	(3,113,967)	(2,513,967)	(1,913,967)	(1,313,967)	(713,967)	
9	Schedule 98 Surcharge	598,700	600,000	600,000	600,000	600,000	300,000	
10	Carrying Charge	-	-	-	-	-	-	
11	<b>Ending Deferral Balance - 2014 RBA &amp; 2015 RBA</b>	<b>(3,113,967)</b>	<b>(2,513,967)</b>	<b>(1,913,967)</b>	<b>(1,313,967)</b>	<b>(713,967)</b>	<b>(413,967)</b>	

Carrying Charge Rates

12	Carrying Charge Rate (Mar 2016 - Feb 2017)	4.45%
13	Carrying Charge Rate (Mar 2017 - Jun 2017)	4.19%

FOOTNOTES:

- 1) These 2017 amounts are shown to calculate the balance as of May 31, 2017 including applicable Schedule 98 surcharges that will continue through May 31. Differences between the 2017 amount in base rates and actual sales will be deferred and presented in the Company's RBA filing on March 15, 2018.
- 2) The carrying charge was applied to the 2017 RBA deferral balance using the 4.45 percent determined in Docket No. 15-035-69 with an effective date of March 1, 2016 to February 28, 2017.
- 3) The surcharge shown for January 2017 represents the actual surcharge billed. The February through June 2017 amounts were not available at the time of filing and represent estimates. The June 2017 amount represents the surcharges that are related to May 2017 usage, but are not billed until June 2017 due to lag in the Company's billing cycles.
- 4) There are no carrying charges after May 2014 for the 2014 RBA as per the stipulation in Docket No. 11-035-200, page 8, paragraph 38.
- 5) The carrying charge was applied to the 2017 RBA deferral balance using the 4.19 percent as ordered in Docket Nos. 17-035-T02 and 15-035-69 with an effective date of March 1, 2017 to March 31, 2018.

Rocky Mountain Power  
Docket No. 17-035-14  
Witness: Robert M. Meredith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Direct Testimony of Robert M. Meredith  
Rate Spread and Rate Design

March 2017

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

3 A. My name is Robert M. Meredith. My business address is 825 NE Multnomah Street,  
4 Suite 2000, Portland, Oregon 97232. My present position is Manager, Pricing and Cost  
5 of Service.

6 **Qualifications**

7 **Q. Briefly describe your educational and professional background.**

8 A. I graduated magna cum laude from Oregon State University in 2004 with a Bachelor  
9 of Science degree in Business Administration and a minor in Economics. In addition to  
10 my formal education, I have attended various industry-related seminars. I have worked  
11 for the Company for twelve years in various roles of increasing responsibility in the  
12 Customer Service, Regulation, and Integrated Resource Planning departments. I have  
13 over six years of experience preparing cost of service and pricing related analyses for  
14 all of the six states that PacifiCorp serves. I assumed my present position in March  
15 2016.

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

17 A. Yes. I have testified in regulatory proceedings in Utah, Washington and California.

18 **Purpose and Summary of Testimony**

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

20 A. The purpose of my testimony is to present and support the Company’s proposed rate  
21 spread and rates under Schedule 98 to recover the deferred renewable energy credit  
22 (“REC”) revenues in the REC Balancing Account (“RBA”).

23 **Q. Please summarize the rate impacts of the proposed rate changes pursuant to**  
24 **Schedule 98 in this filing.**

25 A. The net change in Schedule 98 is a rate decrease of \$8.1 million, or 0.4 percent. This  
26 net change is the difference between the current collection level of \$7.1 million and the  
27 new proposed collection level of (\$1.0) million for the 2017 RBA. Exhibit  
28 RMP\_\_\_(RMM-1), page 1, shows the net impact by rate schedule.

29 **Proposed RBA Rate Spread**

30 **Q. What is the total deferred RBA balance in this case and the requested annual**  
31 **recovery amount in Schedule 98?**

32 A. The total deferred REC revenue balance for the 2017 RBA is a credit to customers of  
33 \$1.0 million, as shown in Mr. Terrell Spackman's Exhibit RMP\_\_(THS-1). Of this  
34 amount, \$0.4 million is related to the balance of ongoing amortization for the 2013 and  
35 2014 deferrals, approved in Docket No. 14-035-30 ("2014 RBA") and Docket No. 15-  
36 035-27 ("2015 RBA"), respectively, and (\$1.4) million is related to the 2016 deferral<sup>1</sup>.  
37 Consistent with the terms of the stipulation approved by the Public Service  
38 Commission of Utah in Docket No. 11-035-200 ("2012 GRC"), the Company proposes  
39 to recover the 2016 deferral plus the balance of the 2014 RBA and the 2015 RBA over  
40 one year, beginning June 1, 2017, for the proposed combined annual recovery on  
41 Schedule 98 of (\$1.0) million.

42 **Q. How does the Company propose to allocate the 2017 RBA deferral revenue across**  
43 **customer classes?**

44 A. The Company proposes to allocate the 2017 RBA deferral revenue across customer

---

<sup>1</sup> The 2016 deferral also reflects the ending deferred balance related to the 2015 deferral approved in Docket No. 16-035-10 ("2016 RBA").

45 classes based on the rate spread approved in the rate cases where the corresponding  
46 Base RBA revenues were set. Specifically, the Company proposes to use the rate spread  
47 from Docket No. 13-035-184 (“2014 GRC”) (Step 2).

48 **Q. Did the Company make any other modifications to rate spread?**

49 A. Yes. The Company made two modifications, both of which are consistent with  
50 modifications made in past RBA filings. First, since the rate spreads in the 2014 GRC  
51 for Schedules 7, 11, 12 and 15 were zero, the deferred RBA revenue allocations for  
52 Schedules 7, 11, 12 and 15 were calculated with the total deferred RBA revenue times  
53 the percentage of these schedules’ deferred RBA revenue allocation from the last RBA  
54 proceeding in Docket No. 12-035-68.

55 Second, consistent with the terms of the contract approved by the Public Service  
56 Commission of Utah in Docket No. 15-035-81, the 2017 RBA revenue allocation for  
57 Contract Customer 1 is based on the overall 2017 RBA percentage to tariff customers  
58 in Utah. The rest of the deferred REC revenues are allocated to the other customer  
59 classes consistent with the approved rate spread in the corresponding general rate case.  
60 Exhibit RMP\_\_\_(RMM-1), page 2, contains the Company’s proposed rate spread.  
61 Based on the forecast test period 12-months ending June 2015 from the 2014 GRC, this  
62 proposal would result in an overall decrease of 0.4 percent from current rates.

63 **Proposed Rates for Schedule 98**

64 **Q. How were the proposed Schedule 98 rates developed for each rate schedule?**

65 A. Consistent with the previous RBA filings, the proposed rate for each schedule was  
66 developed as a percentage surcharge to apply to customers’ Monthly Power Charges  
67 and Energy Charges. The percentage for each rate schedule is calculated by dividing



68 the allocated deferred REC revenue amount by the corresponding present revenues.  
69 Exhibit RMP\_\_\_(RMM-2) contains the billing determinants and the calculations of the  
70 proposed RBA rates in this case.

71 **Q. Please describe Exhibit RMP\_\_\_(RMM-3).**

72 A. Exhibit RMP\_\_\_(RMM-3) contains the proposed Schedule 98 reflecting the new rates.  
73 The Company requests that the proposed Schedule 98 rates become effective on June  
74 1, 2017.

75 **Q. Did you include workpapers with this filing?**

76 A. Yes. Workpapers have been included with this filing that detail the calculations shown  
77 in my exhibits.

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

79 A. Yes, it does.

Rocky Mountain Power  
Exhibit RMP\_\_(RMM-1)  
Docket No. 17-035-14  
Witness: Robert M. Meredith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Robert M. Meredith  
Estimated Effect of Proposed Changes

March 2017

Table A  
 Rocky Mountain Power  
 Estimated Effect of Proposed Changes  
 on Revenues from Electric Sales to Ultimate Consumers in Utah  
 Base Period 12 Months Ending June 2013  
 Forecast Test Period 12 Months Ending June 2015

Line No.	Description (1)	Sch No. (2)	No. of Customers Forecast (3)	MWh Forecast (4)	Present Revenue (\$000)		Proposed Revenue (\$000)		Change				
					Base (5)	RBA (6)	Base (8)	RBA (9)	Base (\$000) (11)	% (12)	Net (\$000) (13)	% (14)	
<b>Residential</b>													
1	Residential	1,3	740,189	6,200,666	\$684,505	\$2,902	\$684,505	(\$379)	\$684,126	\$0	0.00%	(\$3,281)	-0.48%
2	Residential-Optional TOD	2	447	3,186	\$351	\$1	\$351	(\$0)	\$351	\$0	0.00%	(\$2)	-0.48%
3	AGA/Revenue Credit	--			\$33		\$33		\$33	\$0	0.00%	\$0	0.00%
4	<b>Total Residential</b>		740,636	6,203,852	\$684,889	\$2,904	\$684,889	(\$379)	\$684,511	\$0	0.00%	(\$3,282)	-0.48%
<b>Commercial &amp; Industrial &amp; OSPA</b>													
5	General Service-Distribution	6	13,072	5,783,806	\$494,681	\$1,554	\$494,681	(\$252)	\$494,430	\$0	0.00%	(\$1,806)	-0.36%
6	General Service-Distribution-Energy TOD	6A	2,276	292,031	\$34,227	\$103	\$34,330	(\$19)	\$34,209	\$0	0.00%	(\$122)	-0.35%
7	General Service-Distribution-Demand TOD	6B	37	3,907	\$346	\$1	\$347	(\$0)	\$346	\$0	0.00%	(\$1)	-0.35%
8	<i>Subtotal Schedule 6</i>		15,385	6,079,745	\$529,255	\$1,657	\$530,912	(\$271)	\$528,984	\$0	0.00%	(\$1,928)	-0.36%
9	General Service-Distribution > 1,000 kW	8	274	2,187,047	\$167,313	\$641	\$167,954	(\$87)	\$167,226	\$0	0.00%	(\$728)	-0.43%
10	General Service-High Voltage	9	149	5,027,436	\$284,876	\$1,137	\$286,013	(\$211)	\$284,665	\$0	0.00%	(\$1,348)	-0.47%
11	General Service-High Voltage-Energy TOD	9A	9	42,591	\$3,293	\$13	\$3,305	(\$2)	\$3,290	\$0	0.00%	(\$15)	-0.46%
12	<i>Subtotal Schedule 9</i>		158	5,070,026	\$288,169	\$1,149	\$289,318	(\$214)	\$287,955	\$0	0.00%	(\$1,363)	-0.47%
13	Irrigation	10	2,784	173,133	\$13,210	\$54	\$13,264	(\$6)	\$13,204	\$0	0.00%	(\$60)	-0.46%
14	Irrigation-Time of Day	10TOD	261	16,757	\$1,286	\$5	\$1,291	(\$1)	\$1,285	\$0	0.00%	(\$6)	-0.46%
15	<i>Subtotal Irrigation</i>		3,045	189,890	\$14,496	\$59	\$14,555	(\$7)	\$14,489	\$0	0.00%	(\$66)	-0.46%
16	Electric Furnace	21	5	4,049	\$476	\$1	\$477	(\$0)	\$476	\$0	0.00%	(\$2)	-0.38%
17	General Service-Distribution-Small	23	82,668	1,390,888	\$139,103	\$465	\$139,568	\$0	\$139,103	\$0	0.00%	(\$465)	-0.33%
18	Back-up, Maintenance, & Supplementary	31	4	56,282	\$4,576	\$14	\$4,590	(\$3)	\$4,573	\$0	0.00%	(\$17)	-0.36%
19	Contract 1	--	1	535,721	\$27,959	\$100	\$28,058	(\$13)	\$27,946	\$0	0.00%	(\$113)	-0.40%
20	Contract 2	--	1	795,799	\$35,063	\$0	\$35,063	\$0	\$35,063	\$0	0.00%	\$0	0.00%
21	Contract 3	--	1	621,809	\$30,035	\$118	\$30,153	\$0	\$30,035	\$0	0.00%	(\$118)	-0.39%
22	AGA/Revenue Credit	--			\$2,928		\$2,928		\$2,928	\$0	0.00%	\$0	0.00%
23	<b>Total Commercial &amp; Industrial &amp; OSPA</b>		101,542	16,931,257	\$1,239,372	\$4,205	\$1,243,577	(\$595)	\$1,238,777	\$0	0.00%	(\$4,800)	-0.39%
<b>Public Street Lighting</b>													
24	Security Area Lighting	7	8,046	12,441	\$2,999	\$3	\$3,002	(\$0)	\$2,999	\$0	0.00%	(\$4)	-0.12%
25	Street Lighting - Company Owned	11	809	16,496	\$4,979	\$5	\$4,985	(\$0)	\$4,979	\$0	0.00%	(\$6)	-0.12%
26	Street Lighting - Customer Owned	12	839	56,517	\$4,145	\$5	\$4,149	(\$0)	\$4,144	\$0	0.00%	(\$5)	-0.12%
27	Metered Outdoor Lighting	15	2,466	6,178	\$1,235	\$3	\$1,237	(\$0)	\$1,234	\$0	0.00%	(\$3)	-0.24%
28	Traffic Signal Systems	15	515	17,536	\$682	\$2	\$684	(\$0)	\$682	\$0	0.00%	(\$2)	-0.36%
29	<i>Subtotal Public Street Lighting</i>		12,675	109,168	\$14,040	\$18	\$14,058	(\$2)	\$14,038	\$0	0.00%	(\$20)	-0.14%
30	Security Area Lighting-Contracts (PTL)	--	5	8	\$1	\$0	\$1	\$0	\$1	\$0	0.00%	\$0	0.00%
31	AGA/Revenue Credit	--			\$5		\$5		\$5	\$0	0.00%	\$0	0.00%
32	<b>Total Public Street Lighting</b>		12,680	109,176	\$14,045	\$18	\$14,063	(\$2)	\$14,043	\$0	0.00%	(\$20)	-0.14%
33	<b>Total Sales to Ultimate Customers</b>		854,859	23,244,285	\$1,938,306	\$7,127	\$1,945,433	(\$976)	\$1,937,331	\$0	0.00%	(\$8,103)	-0.42%

**Rate Spread**  
**Rocky Mountain Power**  
**Estimated Effect of Proposed Changes**  
**on Revenues from Electric Sales to Ultimate Consumers in Utah**  
**Base Period 12 Months Ending June 2013**  
**Forecast Test Period 12 Months Ending June 2015**

Line No.	Description (1)	Sch No.	9/1/2015		2014 GRC Step 2 Spread (\$000)	RBA	
			Present Revenues (\$000)	(3)		2016 Deferral** (\$000)	% (6)
<b>Residential</b>							
1	Residential	1,3	\$684,505		\$6,968	(\$359)	-0.05%
2	Residential-Optional TOD	2	\$351		\$4	(\$0)	-0.05%
3	AGA/Revenue Credit	--	\$33		\$0		
4	<b>Total Residential</b>		\$684,889		\$6,971	(\$359)	-0.05%
<b>Commercial &amp; Industrial &amp; OSPA</b>							
5	General Service-Distribution	6	\$494,681		\$5,036	(\$259)	-0.05%
6	General Service-Distribution-Energy TOD	6A	\$34,227		\$348	(\$18)	-0.05%
7	General Service-Distribution-Demand TOD	6B	\$346		\$4	(\$0)	-0.05%
8	<i>Subtotal Schedule 6</i>		\$529,255		\$5,388	(\$277)	-0.05%
9	General Service-Distribution > 1,000 kW	8	\$167,313		\$1,703	(\$88)	-0.05%
10	General Service-High Voltage	9	\$284,876		\$4,117	(\$212)	-0.07%
11	General Service-High Voltage-Energy TOD	9A	\$3,293		\$48	(\$2)	-0.07%
12	<i>Subtotal Schedule 9</i>		\$288,169		\$4,164	(\$214)	-0.07%
13	Irrigation	10	\$13,210		\$134	(\$7)	-0.05%
14	Irrigation-Time of Day	10TOD	\$1,286		\$13	(\$1)	-0.05%
15	<i>Subtotal Irrigation</i>		\$14,496		\$148	(\$8)	-0.05%
16	Electric Furnace	21	\$476		\$7	(\$0)	-0.07%
17	General Service-Distribution-Small	23	\$139,103		\$39	(\$2)	0.00%
18	Back-up, Maintenance, & Supplementary	31	\$4,576		\$66	(\$3)	-0.07%
19	Contract 1	--	\$27,959		\$277	(\$14)	-0.05%
20	Contract 2	--	\$35,063		\$0		
21	Contract 3	--	\$30,035		\$437	\$0	0.00%
22	AGA/Revenue Credit	--	\$2,928		\$0		
23	<b>Total Commercial &amp; Industrial &amp; OSPA</b>		\$1,239,372		\$12,229	(\$607)	-0.05%
<b>Public Street Lighting</b>							
24	Security Area Lighting	7 *	\$2,999		\$0	(\$0)	-0.01%
25	Street Lighting - Company Owned	11 *	\$4,979		\$0	(\$1)	-0.01%
26	Street Lighting - Customer Owned	12 *	\$4,145		\$0	(\$1)	-0.01%
27	Metered Outdoor Lighting	15 *	\$1,235		\$0	(\$0)	-0.03%
28	Traffic Signal Systems	15 *	\$682		\$0	(\$0)	-0.03%
29	<i>Subtotal Public Street Lighting</i>		\$14,040		\$0	(\$2)	-0.02%
30	Security Area Lighting-Contracts (PTL)	--	\$1		\$0		
31	AGA/Revenue Credit	--	\$5		\$0		
32	<b>Total Public Street Lighting</b>		\$14,045		\$0	(\$2)	-0.02%
33	<b>Total Sales to Ultimate Customers</b>		\$1,938,306		\$19,200	(\$968)	-0.05%

\* The rate spread is based on the percentage of the rate spread from 2012 REC. The zero value is due to rounding to \$1,000.

\*\* The rate spread is based 2014 GRC Step 2 rate spread.

2017 Deferral	(\$968)
%	-0.05%

Rocky Mountain Power  
Exhibit RMP\_\_(RMM-2)  
Docket No. 17-035-14  
Witness: Robert M. Meredith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Robert M. Meredith  
Billing Determinants and Calculations of the Proposed RBA Rates

March 2017

**Rate Design**  
**Rocky Mountain Power - State of Utah**  
**Blocking Based on Adjusted Actuals and Forecasted Loads**  
**Base Period 12 Months Ending June 2013**  
**Forecast Test Period 12 Months Ending June 2015**

	Forecasted Units	Step 2 - 9/1/2015		Present RBA		Proposed RBA	
		Price	Revenue Dollars	Price	Revenue Dollars	Price	Revenue Dollars
<b>Schedule No. 1- Residential Service</b>							
Total Customer	8,511,800						
Customer Charge - 1 Phase	8,398,777	\$6.00	\$50,392,662				
Customer Charge - 3 Phase	14,094	\$12.00	\$169,128				
Net Metering Facilities Charge	23,932						
First 400 kWh (May-Sept)	1,274,636,742	8.8498 ¢	\$112,802,802	0.46%	\$518,893	-0.06%	(\$67,682)
Next 600 kWh (May-Sept)	1,040,456,011	11.5429 ¢	\$120,098,797	0.46%	\$552,454	-0.06%	(\$72,059)
All add'l kWh (May-Sept)	358,873,906	14.4508 ¢	\$51,860,150	0.46%	\$238,557	-0.06%	(\$31,116)
All kWh (Oct-Apr)							
<i>First 400 kWh (Oct-Apr)</i>	<i>1,613,094,234</i>	<i>8.8498 ¢</i>	<i>\$142,755,614</i>	<i>0.46%</i>	<i>\$656,676</i>	<i>-0.06%</i>	<i>(\$85,653)</i>
<i>All add'l kWh (Oct-Apr)</i>	<i>1,704,644,903</i>	<i>10.7072 ¢</i>	<i>\$182,519,739</i>	<i>0.46%</i>	<i>\$839,591</i>	<i>-0.06%</i>	<i>(\$109,512)</i>
Minimum 1 Phase	98,763	\$8.00	\$790,104				
Minimum 3 Phase	166	\$16.00	\$2,656				
Minimum Seasonal	0	\$96.00	\$0				
kWh in Minimum	501,472						
kWh in Minimum - Summer	223,485						
kWh in Minimum - Winter	277,987						
Unbilled	0		\$0				
<b>Total</b>	<b>5,992,207,269</b>		<b>\$661,391,652</b>		<b>\$2,806,171</b>		<b>(\$366,022)</b>

**Schedule No. 3- Residential Service - Low Income Lifeline Program**

Total Customer	370,465						
Customer Charge - 1 Phase	369,457	\$6.00	\$2,216,742				
Customer Charge - 3 Phase	257	\$12.00	\$3,084				
Net Metering Facilities Charge	0						
First 400 kWh (May-Sept)	47,435,117	8.8498 ¢	\$4,197,913	0.46%	\$19,310	-0.06%	(\$2,519)
Next 600 kWh (May-Sept)	31,907,309	11.5429 ¢	\$3,683,029	0.46%	\$16,942	-0.06%	(\$2,210)
All add'l kWh (May-Sept)	10,205,740	14.4508 ¢	\$1,474,811	0.46%	\$6,784	-0.06%	(\$885)
All kWh (Oct-Apr)							
<i>First 400 kWh (Oct-Apr)</i>	<i>64,598,419</i>	<i>8.8498 ¢</i>	<i>\$5,716,831</i>	<i>0.46%</i>	<i>\$26,297</i>	<i>-0.06%</i>	<i>(\$3,430)</i>
<i>All add'l kWh (Oct-Apr)</i>	<i>54,308,077</i>	<i>10.7072 ¢</i>	<i>\$5,814,874</i>	<i>0.46%</i>	<i>\$26,748</i>	<i>-0.06%</i>	<i>(\$3,489)</i>
Minimum 1 Phase	751	\$8.00	\$6,008				
Minimum 3 Phase	0	\$16.00	\$0				
Minimum Seasonal	0	\$96.00	\$0				
kWh in Minimum	4,249						
kWh in Minimum - Summer	2,043						
kWh in Minimum - Winter	2,206						
Unbilled	0		\$0				
<b>Total</b>	<b>208,458,911</b>		<b>\$23,113,292</b>		<b>\$96,082</b>		<b>(\$12,532)</b>

**Schedule No. 2 - Residential Service - Optional Time-of-Day**

Total Customer	5,364						
Customer Charge - 1 Phase	5,243	\$6.00	\$31,458				
Customer Charge - 3 Phase	0	\$12.00	\$0				
Net Metering Facilities Charge	1,185						
On-Peak kWh (May - Sept)	280,149	4.3560 ¢	\$12,203				
Off-Peak kWh (May - Sept)	954,590	(1.6334) ¢	(\$15,592)				
First 400 kWh (May-Sept)	675,062	8.8498 ¢	\$59,742	0.46%	\$275	-0.06%	(\$36)
Next 600 kWh (May-Sept)	474,415	11.5429 ¢	\$54,761	0.46%	\$252	-0.06%	(\$33)
All add'l kWh (May-Sept)	185,128	14.4508 ¢	\$26,752	0.46%	\$123	-0.06%	(\$16)
All kWh (Oct-Apr)							
<i>First 400 kWh (Oct-Apr)</i>	<i>912,816</i>	<i>8.8498 ¢</i>	<i>\$80,782</i>	<i>0.46%</i>	<i>\$372</i>	<i>-0.06%</i>	<i>(\$48)</i>
<i>All add'l kWh (Oct-Apr)</i>	<i>937,823</i>	<i>10.7072 ¢</i>	<i>\$100,415</i>	<i>0.46%</i>	<i>\$462</i>	<i>-0.06%</i>	<i>(\$60)</i>
Minimum 1 Phase	121	\$8.00	\$968				
Minimum 3 Phase	0	\$16.00	\$0				
Minimum Seasonal	0	\$96.00	\$0				
kWh in Minimum	428						

kWh in Minimum - Summer	118							
kWh in Minimum - Winter	310							
Unbilled	0		\$0					
Total	<u>3,185,671</u>		<u>\$351,489</u>		<u>\$1,483</u>		<u>(\$193)</u>	

**Schedule No. 6 - Composite**

Customer Charge	156,864	\$54.00	\$8,470,675					
All kW (May - Sept)	7,568,683							
All kW (Oct - Apr)	9,009,450							
Voltage Discount	679,134	(\$0.96)	(\$651,969)					
Facilities kW	16,578,133	\$4.04	\$66,975,657					
All kW (May - Sept)	7,568,683	\$14.62	\$110,654,145	0.37%	\$409,420	-0.06%	(\$66,392)	
All kW (Oct - Apr)	9,009,450	\$10.91	\$98,293,100	0.37%	\$363,684	-0.06%	(\$58,976)	
All kWh	5,783,806,261							
kWh (May - Sept)	2,573,577,152	3.8127 ¢	\$98,122,776	0.37%	\$363,054	-0.06%	(\$58,874)	
kWh (Oct - Apr)	3,210,229,109	3.5143 ¢	\$112,817,082	0.37%	\$417,423	-0.06%	(\$67,690)	
Seasonal Service	0	\$648.00	\$0					
Unbilled	0		\$0					
Total	<u>5,783,806,261</u>		<u>\$494,681,466</u>		<u>\$1,553,582</u>		<u>(\$251,932)</u>	

**Schedule No. 6B - Demand Time-of-Day Option - Composite**

Customer Charge	438	\$54.00	\$23,652					
All On-peak kW (May - Sept)	6,224							
All On-peak kW (Oct - Apr)	4,264							
Voltage Discount	0	(\$0.96)						
Facilities kW	10,488	\$4.04	\$42,372					
All On-peak kW (May - Sept)	6,224	\$14.62	\$90,995	0.37%	\$337	-0.06%	(\$55)	
All On-peak kW (Oct - Apr)	4,264	\$10.91	\$46,520	0.37%	\$172	-0.06%	(\$28)	
All kWh	3,907,497							
kWh (May-Sept)	1,628,124	3.8127 ¢	\$62,075	0.37%	\$230	-0.06%	(\$37)	
kWh (Oct-Apr)	2,279,373	3.5143 ¢	\$80,104	0.37%	\$296	-0.06%	(\$48)	
Seasonal Service	0	\$648.00	\$0					
Unbilled	0		\$0					
Total	<u>3,907,497</u>		<u>\$345,718</u>		<u>\$1,035</u>		<u>(\$168)</u>	

**Schedule No. 6A - Energy Time-of-Day Option - Composite**

Customer Charge	27,307	\$54.00	\$1,474,578					
Facilities kW (May - Sept)	918,610	\$6.52	\$5,989,337					
Facilities kW (Oct - Apr)	1,059,783	\$5.47	\$5,797,013					
Voltage Discount	39,296	(\$0.61)	(\$23,971)					
On-Peak kWh (May - Sept)	62,251,233	11.9266 ¢	\$7,424,456	0.49%	\$36,380	-0.09%	(\$6,682)	
Off-Peak kWh (May - Sept)	59,556,790	3.5908 ¢	\$2,138,565	0.49%	\$10,479	-0.09%	(\$1,925)	
On-Peak kWh (Oct - Apr)	90,625,426	9.9693 ¢	\$9,034,721	0.49%	\$44,270	-0.09%	(\$8,131)	
Off-Peak kWh (Oct - Apr)	79,597,650	3.0060 ¢	\$2,392,705	0.49%	\$11,724	-0.09%	(\$2,153)	
Unbilled	0		\$0					
Total	<u>292,031,100</u>		<u>\$34,227,404</u>		<u>\$102,853</u>		<u>(\$18,891)</u>	

**Schedule No. 7 - Security Area Lighting - Composite**

*MERCURY VAPOR LAMPS*

4,000 Lumen Energy Only	29	24	\$5.68	\$136.00	0.11%	\$0	-0.01%	(\$0)
7,000 Lumen	1	45,001	\$16.38	\$737,116	0.11%	\$811	-0.01%	(\$74)
7,000 Lumen Energy Only	28	0	\$8.05	\$0	0.11%	\$0	-0.01%	\$0
20,000 Lumen	2	10,830	\$26.78	\$290,027	0.11%	\$319	-0.01%	(\$29)

*SODIUM VAPOR LAMPS*

5,600 Lumen New Pole	3	3,563	\$14.60	\$52,020	0.11%	\$57	-0.01%	(\$5)
5,600 Lumen No New Pole	4	1,746	\$12.23	\$21,354	0.11%	\$23	-0.01%	(\$2)
9,500 Lumen New Pole	5	23,403	\$15.47	\$362,044	0.11%	\$398	-0.01%	(\$36)
9,500 Lumen No New Pole	6	23,123	\$13.31	\$307,767	0.11%	\$339	-0.01%	(\$31)
16,000 Lumen New Pole	7	2,646	\$19.46	\$51,491	0.11%	\$57	-0.01%	(\$5)
16,000 Lumen No New Pole	8	2,564	\$17.13	\$43,921	0.11%	\$48	-0.01%	(\$4)
22,000 Lumen	9	114	\$21.07	\$2,402	0.11%	\$3	-0.01%	(\$0)
27,500 Lumen New Pole	10	3,134	\$23.51	\$73,680	0.11%	\$81	-0.01%	(\$7)
27,500 Lumen No New Pole	11	4,178	\$21.23	\$88,699	0.11%	\$98	-0.01%	(\$9)
50,000 Lumen New Pole	12	1,248	\$28.30	\$35,318	0.11%	\$39	-0.01%	(\$4)
50,000 Lumen No New Pole	13	2,456	\$25.99	\$63,831	0.11%	\$70	-0.01%	(\$6)

*SODIUM VAPOR FLOOD LAMPS*

16,000 Lumen New Pole	14	4,670	\$19.46	\$90,878	0.11%	\$100	-0.01%	(\$9)
16,000 Lumen No New Pole	15	4,976	\$17.13	\$85,239	0.11%	\$94	-0.01%	(\$9)

27,500 Lumen New Pole	16	1,102	\$23.51	\$25,908	0.11%	\$28	-0.01%	(\$3)
27,500 Lumen No New Pole	17	1,570	\$21.23	\$33,331	0.11%	\$37	-0.01%	(\$3)
50,000 Lumen New Pole	18	9,734	\$28.30	\$275,472	0.11%	\$303	-0.01%	(\$28)
50,000 Lumen No New Pole	19	11,772	\$25.99	\$305,954	0.11%	\$337	-0.01%	(\$31)
<i>METAL HALIDE LAMPS</i>								
12,000 Lumen New Pole	20	0	\$29.40	\$0	0.11%	\$0	-0.01%	\$0
12,000 Lumen No New Pole	21	265	\$21.79	\$5,774	0.11%	\$6	-0.01%	(\$1)
19,500 Lumen New Pole	22	110	\$34.34	\$3,777	0.11%	\$4	-0.01%	(\$0)
19,500 Lumen No New Pole	23	97	\$27.43	\$2,661	0.11%	\$3	-0.01%	(\$0)
32,000 Lumen New Pole	24	469	\$36.69	\$17,208	0.11%	\$19	-0.01%	(\$2)
32,000 Lumen No New Pole	25	630	\$29.72	\$18,724	0.11%	\$21	-0.01%	(\$2)
107,000 Lumen New Pole	26	24	\$57.58	\$1,382	0.11%	\$2	-0.01%	(\$0)
107,000 Lumen No New Pole	27	60	\$49.10	\$2,946	0.11%	\$3	-0.01%	(\$0)
Subtotal		159,509		\$2,999,060		\$3,299		(\$300)
kWh Included		12,440,931						
Unbilled		0		\$0				
Customers		8,046						
Total (kWh)		12,440,931		\$2,999,060		\$3,299		(\$300)

**Schedule No. 8 - Composite**

Customer Charge	3,282	\$70.00		\$229,740				
Facilities kW	5,010,201	\$4.76		\$23,848,557				
On-Peak kW (May - Sept)	2,097,818	\$15.56		\$32,642,048	0.44%	\$143,625	-0.06%	(\$19,585)
On-Peak kW (Oct - Apr)	2,761,958	\$11.19		\$30,906,310	0.44%	\$135,988	-0.06%	(\$18,544)
Voltage Discount	2,132,830	(\$1.13)		(\$2,410,098)				
On-Peak kWh (May - Sept)	260,094,535	5.0474 ¢		\$13,128,012	0.44%	\$57,763	-0.06%	(\$7,877)
On-Peak kWh (Oct - Apr)	625,992,212	3.9511 ¢		\$24,733,578	0.44%	\$108,828	-0.06%	(\$14,840)
Off-Peak kWh	1,300,960,579	3.4002 ¢		\$44,235,262	0.44%	\$194,635	-0.06%	(\$26,541)
Unbilled	0			\$0				
Total	2,187,047,326			\$167,313,409		\$640,839		(\$87,387)

**Schedule No. 9 - Composite**

Customer Charge	1,791	\$259.00		\$463,869				
Facilities kW	9,053,509	\$2.22		\$20,098,790				
On-Peak kW (May - Sept)	3,715,246	\$13.96		\$51,864,834	0.43%	\$223,019	-0.08%	(\$41,492)
On-Peak kW (Oct - Apr)	5,150,021	\$9.47		\$48,770,699	0.43%	\$209,714	-0.08%	(\$39,017)
On-Peak kWh (May-Sept)	507,349,132	4.6531 ¢		\$23,607,462	0.43%	\$101,512	-0.08%	(\$18,886)
On-Peak kWh (Oct-Apr)	1,382,941,034	3.4989 ¢		\$48,387,724	0.43%	\$208,067	-0.08%	(\$38,710)
Off-Peak kWh	3,137,145,375	2.9225 ¢		\$91,683,074	0.43%	\$394,237	-0.08%	(\$73,346)
Unbilled	0			\$0				
Total	5,027,435,541			\$284,876,452		\$1,136,549		(\$211,451)

**Schedule No. 9A - Energy TOD - Composite**

Customer Charge	108	\$259.00		\$27,972				
Facilities Charge per kW	235,118	\$2.22		\$521,962				
On-Peak kWh	23,805,248	8.6029 ¢		\$2,047,942	0.47%	\$9,625	-0.09%	(\$1,843)
Off-Peak kWh	18,785,533	3.6981 ¢		\$694,708	0.47%	\$3,265	-0.09%	(\$625)
Unbilled	0			\$0				
Total	42,590,781			\$3,292,584		\$12,890		(\$2,468)

**Schedule No. 10 - Irrigation**

Annual Cust. Serv. Chg. - Primary	6	\$125.00		\$750				
Annual Cust. Serv. Chg. - Secondary	2,778	\$38.00		\$105,577				
Monthly Cust. Serv. Chg.	12,565	\$14.00		\$175,910				
All On-Season kW	323,633	\$7.33		\$2,372,230	0.42%	\$9,963	-0.05%	(\$1,186)
Voltage Discount	10,067	(\$2.05)		(\$20,637)				
First 30,000 kWh	71,130,178	7.2971 ¢		\$5,190,440	0.42%	\$21,800	-0.05%	(\$2,595)
All add'l kWh	51,830,436	5.3936 ¢		\$2,795,526	0.42%	\$11,741	-0.05%	(\$1,398)
Total On Season	122,960,614			\$10,619,796		\$43,504		(\$5,179)
Post Season								
Customer Charge	5,886	\$14.00		\$82,404				
kWh	50,172,778	4.9983 ¢		\$2,507,786	0.42%	\$10,533	-0.05%	(\$1,254)
Total Post Season	50,172,778			\$2,590,190		\$10,533		(\$1,254)
Unbilled	0			\$0				
TOTAL RATE 10	173,133,392			\$13,209,986		\$54,037		(\$6,433)

**Schedule No. 10-TOD**

Annual Cust. Serv. Chg. - Primary	5	\$125.00		\$625				
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Annual Cust. Serv. Chg. - Secondary	256	\$38.00	\$9,728					
Monthly Cust. Serv. Chg.	1,143	\$14.00	\$16,002					
All On-Season kWh	37,541	\$7.33	\$275,176	0.42%	\$1,156	-0.05%	(\$138)	
Voltage Discount kWh	1,037	(\$2.05)	(\$2,126)					
On-Peak kWh	2,262,299	14.4164 ¢	\$326,142	0.42%	\$1,370	-0.05%	(\$163)	
Off-Peak kWh	8,574,215	4.1542 ¢	\$356,190	0.42%	\$1,496	-0.05%	(\$178)	
<b>Total On Season</b>	<b>10,836,514</b>		<b>\$981,737</b>		<b>\$4,022</b>		<b>(\$479)</b>	
Post Season								
Customer Charge	570	\$14.00	\$7,980					
kWh	5,920,094	4.9983 ¢	\$295,904	0.42%	\$1,243	-0.05%	(\$148)	
<b>Total Post Season</b>	<b>5,920,094</b>		<b>\$303,884</b>		<b>\$1,243</b>		<b>(\$148)</b>	
Unbilled	0		\$0					
<b>TOTAL RATE 10-TOD</b>	<b>16,756,608</b>		<b>\$1,285,621</b>		<b>\$5,264</b>		<b>(\$627)</b>	

**Schedule No. 11 - Street Lighting - Company-Owned System**

*Sodium Vapor Lamps (HPS)*

5,600 Lumen - Functional	34,757	\$11.80	\$410,133	0.11%	\$451	-0.01%	(\$41)
9,500 Lumen - Functional	218,738	\$12.78	\$2,795,472	0.11%	\$3,075	-0.01%	(\$280)
9,500 Lumen - Functional @ 90%	132	\$11.50	\$1,518	0.11%	\$2	-0.01%	(\$0)
9,500 Lumen - S1	409	\$46.54	\$19,035	0.11%	\$21	-0.01%	(\$2)
9,500 Lumen - S2	60	\$38.05	\$2,283	0.11%	\$3	-0.01%	(\$0)
16,000 Lumen - Functional	21,158	\$16.94	\$358,417	0.11%	\$394	-0.01%	(\$36)
16,000 Lumen - Functional @ 90%	96	\$15.25	\$1,464	0.11%	\$2	-0.01%	(\$0)
16,000 Lumen - S1	2,421	\$47.83	\$115,796	0.11%	\$127	-0.01%	(\$12)
16,000 Lumen - S2	886	\$39.34	\$34,855	0.11%	\$38	-0.01%	(\$3)
27,500 Lumen - Functional	26,178	\$21.14	\$553,403	0.11%	\$609	-0.01%	(\$55)
27,500 Lumen - Functional @ 90%	12	\$19.03	\$228	0.11%	\$0	-0.01%	(\$0)
27,500 Lumen - S1	1,253	\$51.48	\$64,504	0.11%	\$71	-0.01%	(\$6)
27,500 Lumen - S2	0	\$43.01	\$0	0.11%	\$0	-0.01%	\$0
50,000 Lumen - Functional	11,406	\$26.02	\$296,784	0.11%	\$326	-0.01%	(\$30)
125,000 Lumen	0	\$51.54	\$0	0.11%	\$0	-0.01%	\$0

*Metal Halide Lamps (MH)*

9,000 Lumen - S1	36	\$48.74	\$1,755	0.11%	\$2	-0.01%	(\$0)
9,000 Lumen - S2	602	\$40.27	\$24,243	0.11%	\$27	-0.01%	(\$2)
12,000 Lumen - Functional	127	\$20.13	\$2,557	0.11%	\$3	-0.01%	(\$0)
12,000 Lumen - S1	0	\$50.65	\$0	0.11%	\$0	-0.01%	\$0
12,000 Lumen - S2	1,598	\$42.17	\$67,388	0.11%	\$74	-0.01%	(\$7)
19,500 Lumen - Functional	386	\$22.13	\$8,542	0.11%	\$9	-0.01%	(\$1)
19,500 Lumen - S1	41	\$53.69	\$2,201	0.11%	\$2	-0.01%	(\$0)
19,500 Lumen - S2	365	\$45.20	\$16,498	0.11%	\$18	-0.01%	(\$2)
32,000 Lumen - Functional	61	\$25.78	\$1,573	0.11%	\$2	-0.01%	(\$0)
32,000 Lumen - S1	0	\$55.33	\$0	0.11%	\$0	-0.01%	\$0
32,000 Lumen - S2	0	\$46.86	\$0	0.11%	\$0	-0.01%	\$0

*Mercury Vapor Lamps (No New Service) (MV)*

4,000 Lumen	3,279	\$11.09	\$36,364	0.11%	\$40	-0.01%	(\$4)
7,000 Lumen	9,152	\$13.83	\$126,572	0.11%	\$139	-0.01%	(\$13)
10,000 Lumen	186	\$19.40	\$3,608	0.11%	\$4	-0.01%	(\$0)
10,000 Lumen @ 90%	0	\$17.46	\$0	0.11%	\$0	-0.01%	\$0
20,000 Lumen	996	\$24.43	\$24,332	0.11%	\$27	-0.01%	(\$2)

*Incandescent Lamps (No New Service) (INC)*

500 Lumen	0	\$11.99	\$0	0.11%	\$0	-0.01%	\$0
600 Lumen	145	\$4.24	\$615	0.11%	\$1	-0.01%	(\$0)
2,500 Lumen	32	\$17.11	\$548	0.11%	\$1	-0.01%	(\$0)
4,000 Lumen	162	\$20.43	\$3,310	0.11%	\$4	-0.01%	(\$0)
6,000 Lumen	161	\$23.82	\$3,835	0.11%	\$4	-0.01%	(\$0)
10,000 Lumen	24	\$31.47	\$755	0.11%	\$1	-0.01%	(\$0)

*Fluorescent Lamps (No New Service) (FLOUR)*

21,000 Lumen	12	\$27.85	\$334	0.11%	\$0	-0.01%	(\$0)
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*Special Service (No New Service)*

50,000 Lumen - Flood	12	\$39.04	\$468	0.11%	\$1	-0.01%	(\$0)
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Subtotal	334,883		\$4,979,390		\$5,477		(\$498)
kWh Included	16,496,197						
Customers	809						
Unbilled	0		\$0				
<b>Total</b>	<b>16,496,197</b>		<b>\$4,979,390</b>		<b>\$5,477</b>		<b>-\$498</b>

**Schedule No. 12 - Street Lighting - Customer-Owned System**

**1. Energy Only, No Maintenance**

*High Pressures Sodium Vapor Lamps*

5,600 Lumen	103,438	\$1.83	\$189,292	0.11%	\$208	-0.01%	(\$19)
9,500 Lumen	159,006	\$2.50	\$397,515	0.11%	\$437	-0.01%	(\$40)
16,000 Lumen	134,332	\$3.66	\$491,655	0.11%	\$541	-0.01%	(\$49)
27,500 Lumen	48,293	\$6.52	\$314,870	0.11%	\$346	-0.01%	(\$31)
50,000 Lumen	65,553	\$10.02	\$656,841	0.11%	\$723	-0.01%	(\$66)
<i>Metal Halide Lamps</i>							
9,000 Lumen	6,583	\$2.55	\$16,787	0.11%	\$18	-0.01%	(\$2)
12,000 Lumen	18,818	\$4.46	\$83,928	0.11%	\$92	-0.01%	(\$8)
19,500 Lumen	28,281	\$6.17	\$174,494	0.11%	\$192	-0.01%	(\$17)
32,000 Lumen	27,914	\$9.77	\$272,720	0.11%	\$300	-0.01%	(\$27)
<i>Non-listed Luminaries kWh</i>	10,059,553	6.5279 ¢	\$656,678	0.11%	\$722	-0.01%	(\$66)
<i>Subtotal kWh</i>	49,653,570		\$3,254,780		\$3,580		(\$325)
<i>Unbilled</i>							
<i>Total</i>	49,653,570		\$3,254,780		\$3,580		(\$325)
<i>Customer</i>	519						

**2a - Partial Maintenance (No New Service)**

*Incandescent Lamps*

2,500 Lumen or Less	76	\$8.96	\$681	0.11%	\$1	-0.01%	(\$0)
4,000 Lumen	91	\$12.19	\$1,109	0.11%	\$1	-0.01%	(\$0)
<i>Mercury Vapor Lamps</i>							
<i>4,000 Lumen</i>	47	\$4.64	\$218	0.11%	\$0	-0.01%	(\$0)
7,000 Lumen	546	\$7.00	\$3,822	0.11%	\$4	-0.01%	(\$0)
20,000 Lumen	140	\$13.33	\$1,866	0.11%	\$2	-0.01%	(\$0)
54,000 Lumen	0	\$28.38	\$0	0.11%	\$0	-0.01%	\$0
<i>High Pressure Sodium Vapor Lamps</i>							
5,600 Lumen	34,609	\$4.08	\$141,205	0.11%	\$155	-0.01%	(\$14)
<i>9,500 Lumen</i>	15,632	\$5.37	\$83,944	0.11%	\$92	-0.01%	(\$8)
9,500 Lumen - Decorative	8,817	\$6.96	\$61,366	0.11%	\$68	-0.01%	(\$6)
16,000 Lumen	2,548	\$6.52	\$16,613	0.11%	\$18	-0.01%	(\$2)
16,000 Lumen - Decorative	799	\$8.27	\$6,608	0.11%	\$7	-0.01%	(\$1)
22,000 Lumen	0	\$8.26	\$0	0.11%	\$0	-0.01%	\$0
27,500 Lumen	5,601	\$9.59	\$53,714	0.11%	\$59	-0.01%	(\$5)
27,500 Lumen - Decorative	143	\$11.93	\$1,706	0.11%	\$2	-0.01%	(\$0)
50,000 Lumen	10,133	\$14.00	\$141,862	0.11%	\$156	-0.01%	(\$14)
<i>50,000 Lumen - Decorative</i>	157	\$15.56	\$2,443	0.11%	\$3	-0.01%	(\$0)
<i>Metal Halide Lamps</i>							
9,000 Lumen - Decorative	702	\$9.19	\$6,451	0.11%	\$7	-0.01%	(\$1)
12,000 Lumen	1,617	\$13.57	\$21,943	0.11%	\$24	-0.01%	(\$2)
12,000 Lumen - Decorative	225	\$11.09	\$2,495	0.11%	\$3	-0.01%	(\$0)
19,500 Lumen	518	\$13.71	\$7,102	0.11%	\$8	-0.01%	(\$1)
19,500 Lumen - Decorative	6,034	\$14.13	\$85,260	0.11%	\$94	-0.01%	(\$9)
32,000 Lumen	544	\$14.58	\$7,932	0.11%	\$9	-0.01%	(\$1)
32,000 Lumen - Decorative	669	\$15.79	\$10,564	0.11%	\$12	-0.01%	(\$1)
<i>Fluorescent Lamps</i>							
1,000 Lumen	0	\$3.75	\$0	0.11%	\$0	-0.01%	\$0
21,800 Lumen	83	\$13.92	\$1,155	0.11%	\$1	-0.01%	(\$0)
<i>Subtotal kWh</i>	5,219,065		\$660,059		\$726		(\$66)
<i>Unbilled</i>							
<i>Total</i>	5,219,065		\$660,059		\$726		(\$66)
<i>Customer</i>	221						

**2b - Full Maintenance (No New Service)**

*Incandescent Lamps*

6,000 Lumen	36	\$17.73	\$638	0.11%	\$1	-0.01%	(\$0)
10,000 Lumen	12	\$23.40	\$281	0.11%	\$0	-0.01%	(\$0)
<i>Mercury Vapor Lamps</i>							
7,000 Lumen	42	\$8.03	\$337	0.11%	\$0	-0.01%	(\$0)
20,000 Lumen	0	\$15.30	\$0	0.11%	\$0	-0.01%	\$0
54,000 Lumen	96	\$32.48	\$3,118	0.11%	\$3	-0.01%	(\$0)
<i>Sodium Vapor Lamps</i>							
5,600 Lumen	4,275	\$4.68	\$20,007	0.11%	\$22	-0.01%	(\$2)
9,500 Lumen	14,686	\$6.16	\$90,466	0.11%	\$100	-0.01%	(\$9)
16,000 Lumen	1,259	\$7.47	\$9,405	0.11%	\$10	-0.01%	(\$1)
22,000 Lumen	0	\$9.44	\$0	0.11%	\$0	-0.01%	\$0
27,500 Lumen	2,408	\$10.99	\$26,464	0.11%	\$29	-0.01%	(\$3)
50,000 Lumen	1,967	\$16.02	\$31,511	0.11%	\$35	-0.01%	(\$3)
<i>Metal Halide Lamps</i>							
12,000 Lumen	1,188	\$15.58	\$18,509	0.11%	\$20	-0.01%	(\$2)

19,500 Lumen	724	\$15.73	\$11,389	0.11%	\$13	-0.01%	(\$1)
32,000 Lumen	881	\$16.72	\$14,730	0.11%	\$16	-0.01%	(\$1)
107,000 Lumen	96	\$33.05	\$3,173	0.11%	\$3	-0.01%	(\$0)
<i>Subtotal kWh</i>	1,644,140		\$230,028		\$253		(\$23)
<i>Unbilled</i>							
<i>Total</i>	1,644,140		\$230,028		\$253		(\$23)
<i>Customer</i>	99						
kWh Street Lighting	56,516,774		\$4,144,867		\$4,559		(\$414)
Customers	839						
Unbilled			\$0				
<b>Total</b>	<b>56,516,774</b>		<b>\$4,144,867</b>		<b>\$4,559</b>		<b>-\$414</b>

**Schedule 15.1 - Metered Outdoor Nighttime Lighting - Composite**

Annual Facility Charge	20,286	\$11.00	\$223,146				
Annual Customer Charge	497	\$72.50	\$36,033				
Annual Minimum Charge	0	\$127.50	\$0				
Monthly Customer Charge	6,182	\$6.20	\$38,328				
All kWh	17,536,445	5.3437 ¢	\$937,095	0.28%	\$2,624	-0.04%	(\$375)
Unbilled	0		\$0				
<b>Total</b>	<b>17,536,445</b>		<b>\$1,234,602</b>		<b>\$2,624</b>		<b>(\$375)</b>

**Schedule 15.2 - Traffic Signal Systems - Composite**

Customer Charge	29,596	\$5.50	\$162,778				
All kWh	6,177,947	8.4049 ¢	\$519,250	0.44%	\$2,285	-0.04%	(\$208)
Unbilled	0		\$0				
<b>Total</b>	<b>6,177,947</b>		<b>\$682,028</b>		<b>\$2,285</b>		<b>(\$208)</b>

**Schedule No. 21 - Electric Furnace Operations - Limited Service - Industrial**

Primary Voltage

Customer Charge	36	\$127.00	\$4,572				
Charge per kW (Facilities)	10,893	\$4.30	\$46,840				
First 100,000 kWh	423,833	6.8447 ¢	\$29,010	0.68%	\$197	-0.16%	(\$46)
All add'l kWh	0	5.7472 ¢	\$0	0.68%	\$0	-0.16%	\$0
Unbilled	0		\$0				
<b>Subtotal</b>	<b>423,833</b>		<b>\$80,422</b>		<b>\$197</b>		<b>(\$46)</b>

44KV or Higher

Customer Charge	24	\$127.00	\$3,048				
Charge per kW (Facilities)	47,371	\$4.30	\$203,695				
First 100,000 kWh	2,660,898	5.3851 ¢	\$143,292	0.68%	\$974	-0.16%	(\$229)
All add'l kWh	963,969	4.7169 ¢	\$45,469	0.68%	\$309	-0.16%	(\$73)
Unbilled	0		\$0				
<b>Subtotal</b>	<b>3,624,867</b>		<b>\$395,504</b>		<b>\$1,284</b>		<b>(\$302)</b>
<b>Total</b>	<b>4,048,700</b>		<b>\$475,926</b>		<b>\$1,481</b>		<b>(\$348)</b>

**Schedule No. 23 - Composite**

Customer Charge	992,018	\$10.00	\$9,920,180				
kW over 15 (May - Sept)	387,746	\$8.65	\$3,354,003	0.36%	\$12,074	0.00%	\$0
kW over 15 (Oct - Apr)	347,761	\$8.70	\$3,025,521	0.36%	\$10,892	0.00%	\$0
Voltage Discount	7,029	(\$0.48)	(\$3,374)				
First 1,500 kWh (May - Sept)	295,977,608	11.7336 ¢	\$34,728,829	0.36%	\$125,024	0.00%	\$0
All Add'l kWh (May - Sept)	309,000,008	6.5783 ¢	\$20,326,948	0.36%	\$73,177	0.00%	\$0
First 1,500 kWh (Oct - Apr)	424,820,226	10.8000 ¢	\$45,880,584	0.36%	\$165,170	0.00%	\$0
All Add'l kWh (Oct - Apr)	361,090,369	6.0567 ¢	\$21,870,160	0.36%	\$78,733	0.00%	\$0
Seasonal Service	0	\$120.00	\$0				
Unbilled	0		\$0				
<b>Total</b>	<b>1,390,888,211</b>		<b>\$139,102,851</b>		<b>\$465,070</b>		<b>\$0</b>

**Schedule No.31 - Composite**

Secondary Voltage

Customer Charge per month	0	\$133.00	\$0				
Facilities Charge, per kW month	0	\$5.60	\$0				
Back-up Power Charge							
Regular, per On-Peak kW day	0						
May - Sept	0	\$0.88	\$0				
Oct - Apr	0	\$0.62	\$0				
Maintenance, per On-Peak kW day	0						
May - Sept	0	\$0.440	\$0				

Oct - Apr	0	\$0.310	\$0				
Excess Power, per kW month	0						
May - Sept	0	\$40.81	\$0				
Oct - Apr	0	\$32.04	\$0				
<i>Primary Voltage</i>							
Customer Charge per month	24	\$605.00	\$14,520				
Facilities Charge, per kW month	38,791	\$4.46	\$173,008				
Back-up Power Charge							
Regular, per On-Peak kW day	195,683						
May - Sept	79,030	\$0.86	\$67,966				
Oct - Apr	116,653	\$0.60	\$69,992				
Maintenance, per On-Peak kW day							
May - Sept	24,254	\$0.430	\$10,429				
Oct - Apr	0	\$0.300	\$0				
Excess Power, per kW month							
May - Sept	30	\$38.54	\$0				
Oct - Apr	30	\$29.77	\$893				
<i>Transmission Voltage</i>							
Customer Charge per month	24	\$678.00	\$16,272				
Facilities Charge, per kW month	153,429	\$2.63	\$403,518				
Back-up Power Charge							
Regular, per On-Peak kW day	391,585						
May - Sept	239,920	\$0.76	\$182,339				
Oct - Apr	151,665	\$0.51	\$77,349				
Maintenance, per On-Peak kW day							
May - Sept	0	\$0.380	\$0				
Oct - Apr	0	\$0.255	\$0				
Excess Power, per kW month							
May - Sept	0	\$32.35	\$0				
Oct - Apr	0	\$23.36	\$0				
Subtotal			\$1,016,286		\$0		\$0
<i>Supplemental billed at Schedule 6/8/9 rate</i>							
<b>Schedule 8</b>							
Facilities kW	16,065	\$4.76	\$76,469				
On-Peak kW (May - Sept)	0	\$15.56	\$0	0.44%	\$0	-0.06%	\$0
On-Peak kW (Oct - Apr)	16,065	\$11.19	\$179,767	0.44%	\$791	-0.06%	(\$108)
Voltage Discount	16,065	(\$1.13)	(\$18,153)				
On-Peak kWh (May - Sept)	1,044,794	5.0474 ¢	\$52,735	0.44%	\$232	-0.06%	(\$32)
On-Peak kWh (Oct - Apr)	3,934,668	3.9511 ¢	\$155,463	0.44%	\$684	-0.06%	(\$93)
Off-Peak kWh	5,030,285	3.4002 ¢	\$171,040	0.44%	\$753	-0.06%	(\$103)
<b>Schedule 9</b>							
Facilities kW	103,313	\$2.22	\$229,355				
On-Peak kW (May - Sept)	49,491	\$13.96	\$690,894	0.43%	\$2,971	-0.08%	(\$553)
On-Peak kW (Oct - Apr)	50,080	\$9.47	\$474,258	0.43%	\$2,039	-0.08%	(\$379)
On-Peak kWh (May-Sept)	7,647,176	4.6531 ¢	\$355,831	0.43%	\$1,530	-0.08%	(\$285)
On-Peak kWh (Oct-Apr)	10,898,121	3.4989 ¢	\$381,314	0.43%	\$1,640	-0.08%	(\$305)
Off-Peak kWh	27,727,401	2.9225 ¢	\$810,333	0.43%	\$3,484	-0.08%	(\$648)
Subtotal			\$3,559,306		\$14,124		(\$2,506)
Unbilled	0		\$0				
Total (Aggregated)	56,282,445		\$4,575,592		\$14,124		(\$2,506)
<b>Contract 1</b>							
Fixed Customer Charge	12		\$2,455.14				
Customer Charge			\$1,757,448				
kW High Load Hours	949,050		\$9,607,156	0.38%	\$36,507	-0.05%	(\$4,804)
kWh High Load Hours	237,232,647		\$8,613,813	0.38%	\$32,732	-0.05%	(\$4,307)
kWh Low Load Hours	298,488,523		\$7,977,879	0.38%	\$30,316	-0.05%	(\$3,989)
Total	535,721,170		\$27,958,751		\$99,556		(\$13,099)
<b>Contract 2</b>							
Customer Charge	12						
Interruptible kWh	795,798,676		\$35,062,890				
Total	795,798,676		\$35,062,890				
<b>Contract 3</b>							
Customer Charge	12		\$8,136				
Facilities Charge per kW - Back-Up	422,498		\$921,045				
kW Back-Up							

Regular, per On-Peak kW day	3,435,490					
May - Sept	3,253,488		\$1,673,920			
Oct - Apr	182,002		\$93,640			
Maintenance, per On-Peak kW day	0					
May - Sept			\$0			
Oct - Apr			\$0			
Excess Power, per kW month	0					
May - Sept			\$0			
Oct - Apr			\$0			
kW Supplemental						
On-Peak kW (May - Sept)	24,807		\$346,306	0.43%	\$1,489	
On-Peak kW (Oct - Apr)	765,402		\$7,248,357	0.43%	\$31,168	
kWh Supplemental						
On-Peak kWh (May-Sept)	22,796,861	¢	\$1,060,761	0.43%	\$4,561	
On-Peak kWh (Oct-Apr)	204,228,863	¢	\$7,145,764	0.43%	\$30,727	
Off-Peak kWh	394,783,609	¢	\$11,537,551	0.43%	\$49,611	
<b>Total</b>	<u>621,809,333</u>		<u>\$30,035,480</u>		<u>\$117,557</u>	<u>\$0</u>
<b>Lighting Contract - Post Top Lighting - Composite</b>						
Energy Only Res	60	\$2.18	\$131			
Energy Only Non-Res	207	\$2.1858	\$452			
Subtotal	<u>267</u>		<u>\$583</u>		<u>\$0</u>	<u>\$0</u>
KWH Included	7,737					
Customers	5					
Unbilled	<u>0</u>		<u>\$0</u>			
<b>Total</b>	<u>7,737</u>		<u>\$583</u>		<u>\$0</u>	<u>\$0</u>
<b>Annual Guarantee Adjustment</b>						
Residential			\$33,040			
Commercial			\$2,726,578			
Industrial			(\$5,447)			
Irrigation			\$206,563			
Public Street & Highway Lighting			\$4,662			
Other Sales Public Authorities			\$0			
<b>Total AGA</b>			<u>\$2,965,396</u>		<u>\$0</u>	<u>\$0</u>
<b>TOTAL - ALL CLASSES</b>	<u>23,244,284,922</u>		<u>\$1,938,306,489</u>		<u>\$7,126,818</u>	<u>(\$975,854)</u>

Rocky Mountain Power  
Exhibit RMP\_\_(RMM-3)  
Docket No. 17-035-14  
Witness: Robert M. Meredith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Direct Testimony of Robert M. Meredith  
Proposed Revisions to Schedule 98

March 2017

**P.S.C.U. No. 50**
**~~Second-Third~~ Revision of Sheet No. 98  
 Canceling ~~First-Second~~ Revision of Sheet No. 98**

**ROCKY MOUNTAIN POWER**  
**ELECTRIC SERVICE SCHEDULE NO. 98**

**STATE OF UTAH**

**REC Revenue Adjustment**

**AVAILABILITY:** At any point on the Company's interconnected system.

**APPLICATION:** This Schedule shall be applicable to all retail tariff Customers taking service under the terms contained in this Tariff.

**MONTHLY BILL:** In addition to the Monthly Charges contained in the Customer's applicable schedule, all monthly bills shall have the following percentage adjustments applied to the Monthly Power Charges and Energy Charges of the Customer's applicable schedule.

Schedule 1	<del>0.46-0.06</del> %
Schedule 2	<del>0.46-0.06</del> %
Schedule 3	<del>0.46-0.06</del> %
Schedule 6	<del>0.37-0.06</del> %
Schedule 6A	<del>0.49-0.09</del> %
Schedule 6B	<del>0.37-0.06</del> %
Schedule 7*	<del>0.11-0.01</del> %
Schedule 8	<del>0.44-0.06</del> %
Schedule 9	<del>0.43-0.08</del> %
Schedule 9A	<del>0.47-0.09</del> %
Schedule 10	<del>0.42-0.05</del> %
Schedule 11*	<del>0.11-0.01</del> %
Schedule 12*	<del>0.11-0.01</del> %
Schedule 15 (Traffic and Other Signal Systems)	<del>0.44-0.04</del> %
Schedule 15 (Metered Outdoor Nighttime Lighting)	<del>0.28-0.04</del> %
Schedule 21	<del>0.68-0.16</del> %
Schedule 23	<del>0.36-0.00</del> %
Schedule 31	**
Schedule 32	**

\* The rate for Schedules 7, 11 and 12 shall be applied to the Charge per Lamp.

\*\* The rate for Schedule 31 and Schedule 32 shall be the same as the applicable general service schedule.

Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. ~~16-035-1017-035-14~~

**FILED:** March 15, ~~2016~~2017

**EFFECTIVE:** June 1, ~~2016~~2017

**P.S.C.U. No. 50**

**Third Revision of Sheet No. 98  
Canceling Second Revision of Sheet No. 98**

**ROCKY MOUNTAIN POWER**  
**ELECTRIC SERVICE SCHEDULE NO. 98**  
**STATE OF UTAH**

**REC Revenue Adjustment**

**AVAILABILITY:** At any point on the Company's interconnected system.

**APPLICATION:** This Schedule shall be applicable to all retail tariff Customers taking service under the terms contained in this Tariff.

**MONTHLY BILL:** In addition to the Monthly Charges contained in the Customer's applicable schedule, all monthly bills shall have the following percentage adjustments applied to the Monthly Power Charges and Energy Charges of the Customer's applicable schedule.

Schedule 1	-0.06%
Schedule 2	-0.06%
Schedule 3	-0.06%
Schedule 6	-0.06%
Schedule 6A	-0.09%
Schedule 6B	-0.06%
Schedule 7*	-0.01%
Schedule 8	-0.06%
Schedule 9	-0.08%
Schedule 9A	-0.09%
Schedule 10	-0.05%
Schedule 11*	-0.01%
Schedule 12*	-0.01%
Schedule 15 (Traffic and Other Signal Systems)	-0.04%
Schedule 15 (Metered Outdoor Nighttime Lighting)	-0.04%
Schedule 21	-0.16%
Schedule 23	0.00%
Schedule 31	**
Schedule 32	**

\* The rate for Schedules 7, 11 and 12 shall be applied to the Charge per Lamp.

\*\* The rate for Schedule 31 and Schedule 32 shall be the same as the applicable general service schedule.

Issued by authority of Report and Order of the Public Service Commission of Utah in Docket No. 17-035-14

**FILED:** March 15, 2017

**EFFECTIVE:** June 1, 2017