

Rocky Mountain Power  
Exhibit RMP\_\_\_(RMM-2R)  
Docket No. 16-035-36  
Witness: Robert M. Meredith

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

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Exhibit Accompanying Rebuttal Testimony of Robert M. Meredith

Estimated Savings from Energy Efficiency on Time-of-Use

April 2017

**Estimated Savings from Energy Efficiency on Time-of-Use**

**1,000 kWh of Annual Cooling Energy Efficiency**

	<b>On-Peak</b>	<b>Off-Peak</b>	<b>Total</b>	<b>Average</b>
<b>Energy (kWh)</b>	364	636	1,000	
<b>TOU Option 1 Price (¢ per kWh)</b>	22.2755	6.7881		12.4277
<b>TOU Option 2 Price (¢ per kWh)</b>	34.3753	3.4003		14.6796
	<b>Summer</b>	<b>Winter</b>	<b>Total</b>	
<b>Energy (kWh)</b>	984	16	1,000	
<b>Price for Customer on Lowest Tier (¢ per kWh)</b>	8.8498	8.8498		8.8498
<b>Price for Customer on Highest Tier (¢ per kWh)</b>	14.4508	10.7072		14.3895

**1,000 kWh of Annual Lighting Efficiency**

	<b>On-Peak</b>	<b>Off-Peak</b>	<b>Total</b>	<b>Average</b>
<b>Energy (kWh)</b>	226	774	1,000	
<b>TOU Option 1 Price (¢ per kWh)</b>	22.2755	6.7881		10.2936
<b>TOU Option 2 Price (¢ per kWh)</b>	34.3753	3.4003		10.4114
	<b>Summer</b>	<b>Winter</b>	<b>Total</b>	
<b>Energy (kWh)</b>	341	659	1,000	
<b>Price for Customer on Lowest Tier (¢ per kWh)</b>	8.8498	8.8498		8.8498
<b>Price for Customer on Highest Tier (¢ per kWh)</b>	14.4508	10.7072		11.9840

**Footnote:**

This analysis used the same end use load shapes used to develop Utah Class 2 DSM inputs for the 2017 Integrated Resource Plan. The cooling load shape was developed through building simulation modeling with Utah weather. The lighting load shape is based on metering results from the Northwest Energy Efficiency Alliance’s Residential Building Stock Assessment.