

Rocky Mountain Power
Exhibit RMP__(JKL-4R)
Docket No. 17-035-39
Witness: Jeffrey K. Larsen

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF UTAH

ROCKY MOUNTAIN POWER

Exhibit Accompanying Rebuttal Testimony of Jeffrey K. Larsen
Capital Structure, Property Tax Rate and Net Power Cost Description

October 2017

**PacifiCorp
 Utah**

Wind Repowering - Capital Structure, Property Tax and Net Power Cost Description
 Capital Structure and Property Tax Rate

**13-035-184 Capital Structure & Cost
 Effective 9/1/2014**

Line no.	Capital Structure	Capital Structure	Capital Cost	Weighted Cost	Pre-Tax Cost
1	Debt	48.556%	5.200%	2.525%	2.525%
2	Preferred	0.016%	6.753%	0.001%	0.002%
3	Common	51.428%	9.800%	5.040%	8.123%
4			TOTAL	7.566%	10.649%
5	Consolidated Tax Rate		37.951%		
6	Tax Gross-up factor for PTC = (1/(1 - tax rate))		1.6116		
Property Tax Calculation as filed in Docket Number 13-035-184					
7	Total Company				134,961,526
8	Utah GPS Factor				42.4704%
9	Utah Property Taxes				57,318,700
10	Utah Gross EPIS				10,912,081,614
11	Utah Accum. Depr.				(3,234,910,020)
12	Utah Accum. Amort.				(221,249,967)
13	Utah Net EPIS				7,455,921,626
14	Estimated Utah Property Tax Rate				0.769%
15	Utah SG Factor - Docket No. 13-035-184				42.6283%
16	Utah GPS Factor - Docket No. 13-035-184				42.4704%

Net Power Cost Incremental Savings Calculation and Definitions

Incremental Generation = Wind Plant Generation MWh – Base Wind Plant Generation MWh

Base Wind Plant Generation = Wind Plant Generation MWh / (1 + Project Generation Increase %)

NPC Incremental Savings

$$= [\text{Incremental Gen}_{HLH} \times (\text{Monthly Market Price}_{HLH} - \text{Integration Costs})] + [\text{Incremental Gen}_{LLH} \times (\text{Monthly Market Price}_{LLH} - \text{Integration Costs})]$$

RTM NPC Benefit = NPC Incremental Savings × ECAM Sharing Band

Where:

Incremental Generation = The increase in generation at the wind plant due to repowering

Project Generation Increase % = The percentage change in energy at the wind plant due to repowering (See Confidential Exhibit RMP_TJH-1R)

Incremental Gen_{HLH} = The increase in generation at the wind plant due to repowering during heavy load hours

Incremental Gen_{LLH} = The increase in generation at the wind plant due to repowering during light load hours

Monthly Market Price_{HLH} = Heavy load hour monthly market price

Monthly Market Price_{LLH} = Light load hour monthly market price

Integration Costs = Wind integration costs from the most recent IRP

RTM NPC Benefit = The NPC repowering benefit absorbed by the Company in the ECAM as a result of the sharing band