

Rocky Mountain Power
Exhibit RMP___(JKL-5)
Docket No. 20000-___-EA-17
Witness: Jeffrey K. Larsen

BEFORE THE WYOMING PUBLIC SERVICE
COMMISSION

ROCKY MOUNTAIN POWER

Exhibit Accompanying Direct Testimony of Jeffrey K. Larsen

Proposed Schedule 97A

June 2017

Resource Tracking Mechanism – Wind Repowering Schedule 97A

Available

In all territory served by the Company in the State of Wyoming.

Applicable

This schedule shall be applicable to all retail tariff Customers taking service under the terms contained in this tariff. All retail tariff rate schedules shall be subject to the rate elements in this Schedule, which tracks the costs and benefits associated with the wind repowering projects as approved in Docket Number 20000-___-EA-17.

Definitions

RTM is the Resource Tracking Mechanism.

RTM Filing Date shall be on or before April 15 of each year under normal circumstances.

RTM Rate Effective Date shall be June 15 of each year on an interim basis under normal circumstances, subject to investigation, protest, hearing and final order of the Commission. The Company may file a properly executed application with the Commission to implement the RTM Rate Adjustment on an interim basis, and if approved by the Commission, the RTM Rate Adjustment shall continue until a final order is issued by the Commission and is adjusted accordingly.

Deferred RTM Comparison Period is the historical 12-month period beginning January 1 and extending through December 31 preceding the RTM Rate Effective Date.

RTM Deferral for wind repowering is the sum of the Plant Revenue Requirement, RTM NPC Benefits, and RTM PTC Benefits for the resources approved for recovery in this mechanism that are not otherwise reflected in retail rates. Once the Plant Revenue Requirement, RTM NPC Benefits, and RTM PTC Benefits for eligible resources are reflected in base rates following a general rate case, the RTM Deferral will consist of the difference between the Base PTC Benefits set in base rates and New PTC Benefits calculated from actual megawatt-hour generation for repowered turbines. The applicable FERC accounts where the costs and benefits will most

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Definitions *(continued)*

likely be booked, as defined in Code of Federal Regulations, Subchapter C, Part 101, are listed, where applicable, with the noted clarifications and exclusions.

Plant Revenue Requirement consists of the capital investment, accumulated depreciation reserve, accumulated deferred income tax, operations and maintenance expense, depreciation expense, Wyoming wind generation tax and property tax associated with the wind repowering projects.

Net Power Cost or NPC is comprised of fuel, wholesale purchases and sales of electricity (including financial hedges), wheeling expenses, and wholesale purchases and sales of natural gas (including financial hedges), as provided for in Schedule 95, Energy Cost Adjustment Mechanism (ECAM).

RTM NPC Benefit is the value of the Incremental Wind Generation from the repowered wind turbines that exceeds the customer proportion of the sharing band established in Schedule 95.

Incremental Generation is the estimated increase in generation at the wind plant due to repowering. The Incremental Generation is calculated as the new wind plant generation MWh less the Base Wind Plant Generation MWh.

Project Generation Increase (%) is the percentage change in energy at the wind plant due to repowering.

Incremental Generation_{HLH} is the increase in generation at the wind plant due to repowering during heavy load hours.

Incremental Generation_{LLH} is the increase in generation at the wind plant due to repowering during light load hours.

Monthly Market Price_{HLH} is the heavy load hour monthly market price.

Monthly Market Price_{LLH} is the light load hour monthly market price.

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Integration Costs are the wind integration costs from the most recent Integrated Resource Plan.

Production Tax Credits or PTCs are federal tax credits for energy produced from wind energy facilities. The credit is generally applicable for a period of 10 years after the wind facility is operational and is calculated by taking the actual megawatt-hours of generation from repowered wind turbines multiplied by the applicable IRS rate.

New PTC Benefits are calculated as actual MWh eligible for PTCs produced by repowered wind plants multiplied by the production tax rate. This amount is grossed up using the tax gross-up rate from the most recently approved general rate case.

Base PTC Benefits are calculated as the PTCs related to the wind repowering project that have been included in base rates through a general rate case. This amount is grossed up using the tax gross-up rate from the most recently approved general rate case. Before the next general rate case, the Base PTC Benefits amount will be zero. After rates from the general rate case become effective, the Base PTC Benefit will be the amount included in the test period, beginning on the rate effective date. Applicable FERC Account: FERC 409xxxx - Income Taxes, Utility Operating Income.

New Capital Investment is the actual monthly electric plant-in-service balances associated with the wind repowering. Applicable FERC Accounts: FERC 101xxxx - Electric Plant in Service, FERC Sub Accounts: 340xxxx through 347xxxx - Other Production Plant.

Base Capital Investment is the amount booked into electric plant-in-service related to the wind repowering projects that have been included in base rates through a general rate case. After rates from the general rate case become effective, the Base Capital Investment will be the amount included in the test period, beginning on the rate effective date. Applicable FERC Accounts: FERC 101xxxx - Electric Plant in Service, FERC Sub Accounts: 340xxxx through 347xxxx - Other Production Plant.

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New Accumulated Depreciation Reserve will be the monthly accumulated depreciation reserve of the repowered assets. Applicable FERC Accounts: FERC 108xxxx - Accumulated Depreciation Reserve, FERC Sub Accounts: 340xxxx through 347xxxx - Other Production Plant.

Base Accumulated Depreciation Reserve is the amount booked into accumulated depreciation reserve related to the wind repowering projects that have been included in base rates through a general rate case. After rates from the general rate case become effective, the Base Accumulated Depreciation Reserve will be the amount included in the test period, beginning on the rate effective date. Applicable FERC Accounts: FERC 108xxxx - Accumulated Depreciation Reserve, FERC Sub Accounts: 340xxxx through 347xxxx - Other Production Plant.

New Accumulated Deferred Income Tax is the actual accumulated deferred income tax balances associated with the repowering investment. Applicable FERC Account: FERC 282xxxx - ADIT Other Property.

Base Accumulated Deferred Income Tax is the amounts booked into accumulated deferred income tax related to the wind repowering projects that have been included in base rates through a general rate case. After rates from the general rate case become effective, the Base Accumulated Deferred Income Tax will be the amount included in the test period, beginning on the rate effective date. Applicable FERC Account: FERC 282xxxx - ADIT Other Property.

New Operations and Maintenance Expense is the actual operations and maintenance expense incurred associated with the wind repowering projects. Applicable FERC Accounts: FERC 546xxxx, 548xxxx through 554xxxx - Other Power Generation, FERC 556xxxx, 557xxxx - Other Power Supply.

Base Operations and Maintenance Expense is the four year historical average of calendar years 2014, 2015, 2016, and 2017 associated with wind operations. Applicable FERC Accounts: FERC 546xxxx, 548xxxx through 554xxxx - Other Power Generation, FERC 556xxxx, 557xxxx - Other Power Supply.

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New Depreciation Expense is the New Capital Investment monthly balances less the Base Capital Investment, multiplied by the current depreciation rates. The New Capital Investment will be reduced by the replaced assets until the impact is included in the next depreciation study.

New Property Tax Expense is calculated as the New Capital Investment balance as of the beginning of the calendar year less the Base Capital Investment multiplied by the average property tax rate from the last approved general rate case. Applicable FERC Account: FERC 408xxxx - Taxes Other Than Income.

New Wyoming Wind Tax Expense is calculated as Incremental Generation multiplied by the Wyoming Wind tax rate. Applicable FERC Account: FERC 408xxxx - Taxes Other Than Income.

RTM Rate Adjustment will be rates derived to recover the RTM Deferral allocated to all applicable retail tariff rate schedules and, where appropriate, to the demand and energy rate components within each Schedule based on the applicable allocation factors and cost of service study relationships established in the most recent Commission-approved general rate case. The allocated and classified costs shall then be divided by appropriate billing determinants consistent with those used to calculate the Deferred Energy Cost Adjustment Mechanism Adjustment in Schedule 95. The RTM Adjustment shall be applicable during the RTM Rate Effective Period.

Calculation of the RTM Deferral

The RTM Deferral will be calculated monthly as the sum of the Plant Revenue Requirement Deferral, the RTM NPC Benefit and the RTM PTC Benefit. Each deferral component shall be determined as follows:

1. Plant Revenue Requirement Deferral will be calculated as:

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Calculation of the RTM Deferral (*continued*)

A. Sum of the following rate case components, beginning in the first month following the in-service date for each facility, multiplied by the Company's most recently-approved weighted average cost of capital:

- i. New Capital Investment less Base Capital Investment
- ii. New Accumulated Depreciation Reserve less Base Accumulated Depreciation Reserve
- iii. New Accumulated Deferred Income Tax less Base Accumulated Deferred Income Tax

B. Plus the sum of the following:

- i. New Operations and Maintenance Expense less Base Operations and Maintenance Expense
- ii. New Depreciation Expense
- iii. New Property Tax Expense
- iv. New Wyoming Wind Tax Expense

2. The RTM NPC Savings will be calculated as follows:

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

NPC Incremental Savings = [Incremental Generation_{HLH} x (Monthly Market Price_{HLH} - Integration Costs)] + [Incremental Generation_{LLH} x (Monthly Market Price_{LLH} - Integration Costs)]

RTM NPC Benefit = NPC Repowering Benefit x ECAM Sharing Band

3. The RTM PTC Benefit will be calculated as the difference between the New PTC Benefit less the Base PTC Benefit. This deferral will continue to be tracked and included in the RTM until PTCs associated with wind repowering have expired and are no longer included in base rates.

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Calculation of the RTM Deferral *(continued)*

Until the next general rate case, the RTM will be capped so that, after taking into account the wind repowering benefits that will flow through the ECAM, it will not operate to surcharge customers.

Symmetrical Interest

Interest shall be computed on the monthly balance at the rate consistent with Rule 241 of the Commission Rules and Regulations.

Monthly Billing

All charges and provisions of the applicable rate schedule will be applied in determining a Customer’s bill except that the Customer’s total electric bill will be adjusted by an amount equal to the product of all kilowatt demand multiplied by the following dollar per kilowatt rate plus all kilowatt-hours of energy use multiplied by the following cents per kilowatt-hour.

Schedule	Delivery Voltage	Billing Units	RTM Adjustment - Repowering
2	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
15	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
18	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
25	Secondary	Demand per kWh	\$0.00
		Energy per kWh	0.000¢
	Primary	Demand per kWh	\$0.00
		Energy per kWh	0.000¢

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Monthly Billing *(continued)*

Schedule	Delivery Voltage	Billing Units	RTM Adjustment - Repowering
28	Secondary	Demand per kWh	\$0.00
		Energy per kWh	0.000¢
	Primary	Demand per kWh	\$0.00
		Energy per kWh	0.000¢
33	Primary	Supplementary Demand per kW	\$0.00
		Energy per kWh	0.000¢
	Transmission	Supplementary Demand per kW	\$0.00
		Energy per kWh	0.000¢
40	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
46	Secondary	On-Peak Demand per kW	\$0.00
		Energy per kWh	0.000¢
	Primary	On-Peak Demand per kW	\$0.00
		Energy per kWh	0.000¢
48T	Transmission	On-Peak Demand per kW	\$0.00
		Energy per kWh	0.000¢
51	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
53	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢

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Monthly Billing *(continued)*

Schedule	Delivery Voltage	Billing Units	RTM Adjustment - Repowering
54	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
57	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
58	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
207	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
210	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
211	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
212	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
213-1	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢
213-2	**	Demand per kWh	0.000¢
		Energy per kWh	0.000¢

** Rates will be applicable for all Delivery Voltage levels.

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Rules

Service under this Schedule is subject to the General Rules contained in the tariff of which this Schedule is a part, and to those prescribed by the Wyoming Public Service Commission.

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