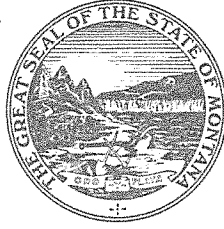


Montana Public Service Commission



Brad Johnson - Chairman
Travis Kavulla - Vice Chairman
Roger Koopman - Commissioner
Bob Lake - Commissioner
Tony O'Donnell - Commissioner

January 4, 2018

Joe Schwartzenberger
Director of Regulatory Affairs
NorthWestern Energy
11 East Park
Butte, MT 59701

RE: Tariff Letter No. 327-E, Docket D2016.5.39

Enclosed please find the tariff schedules listed as follows:

Docket No.:	D2016.5.39
Approved:	January 1, 2018
Effective Date:	January 2, 2018

261 st Revised	1.1	Table of Contents
205 th Revised	1.2	Table of Contents
10 th Revised	74.1	Schedule No. QF - 1
9 th Revised	74.2	Schedule No. QF - 1
5 th Revised	74.3	Schedule No. QF - 1
2 nd Revised	74.4	Schedule No. QF - 1
3 rd Revised	74.5	Schedule No. QF - 1
4 th Revised	74.6	Schedule No. QF - 1

Thank you,

MONTANA PUBLIC SERVICE COMMISSION


Shauna Simpson
Centralized Services Division

Enclosures

TABLE OF CONTENTS

The following listed tariff sheets contain all effective rates, rules and regulations affecting rates, service and information relating thereto in effect on and after the date indicated thereon.

<u>Title of Sheet</u>	<u>MPSC Sheet No.</u>
Title Page	Original 0.1
Table of Contents	261 st Revised 1.1; 205 th Revised 1.2; and 13 th Revised 1.3
<u>PRELIMINARY STATEMENT</u>	
PART A – Recovery Mechanism Local Government Fees	Original 2.1
PART B – Electric Cost and Deferred Accounting Provision	1 st Revised 2.2 thru 2.3 and Original 2.4
PART C - State and Local Taxes and Fees Cost Recovery, Tracking and Deferred Accounting Mechanism	Original 2.5 thru 2.7

RATE SCHEDULES

<u>Schedule No.</u>	<u>Title of Sheet</u>	<u>MPSC Sheet No</u>
EBS-1	Electric Billing Service	Original 6.1
REDS-1	Residential Electric Delivery Service	49 th Revised 10.1; 203 rd revised 10.2; 4 th Revised 10.3
RSCTOUD-1	Residential Smart Grid Time-of-Use Demonstration	Original 11.1 and 11.2
GSEDS-1	General Service Electric Delivery Service	27 th Revised 20.1; 48 th Revised 20.2; 1 st Revised 20.3, Original 20.4
GSEDS-2	General Service Substation/Transmission Electric Delivery Service	27 th Revised 21.1; 3 rd Revised 21.2, 1 st Revised 21.3
ISEDS-1	Irrigation Pumping & Sprinkling Electric Delivery Service	49 th Revised 30.1; 2 nd Revised 30.2, 1 st Revised 30.3
ELDS-1	Electric Lighting Delivery Service	27 th Revised 40.1; 45 th Revised 40.2; 2 nd Revised 40.3, 3 rd Revised 40.4 2 nd Revised 40.5 thru 40.6, Original 40.7

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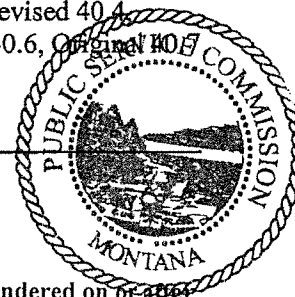


TABLE OF CONTENTS

RATE SCHEDULES

<u>Schedule No.</u>	<u>Title of Sheet</u>	<u>MPSC Sheet No.</u>
E-USBC-1	Electric Universal System Benefits Charge	Original 50.1 thru 50.2
ESS-1	Electricity Supply Service	172 nd Revised 60.1; 30 th Revised 60.2; 2 nd Revised 60.3 and 60.4
CTC-QF-1	Competitive Transition Charge for Qualifying Facilities	15 th Revised 61.1; Original 61.2
CESGTC-1	Competitive Electric Supply General Terms and Conditions	1 st Revised 63.1; 2 nd Revised 63.2 Original 63.3 and 63.4
ECCGP-1	Electric Customer Choice Guidelines and Procedures	2 nd Revised 64.1 thru 64.6
EESS-1	Electric Emergency Supply Service	1 st Revised 65.1 and 65.2
EGPS-1	Electric Green Power Service	1 st Revised 66.1 and 66.2
QFLT-1	Qualifying Facility/Long-Term Power Purchase	Original 70.1 thru 70.3 21 st Revised 70.4
LTQF-1	Long-Term Qualifying Power Purchase Facility	Original 73.1 thru 73.12
QF-1	Qualifying Facility Power Purchase	10 th Revised 74.1 9 th Revised 74.2 5 th Revised 74.3 2 nd Revised 74.4 3 rd Revised 74.5 4 th Revised 74.6
LTPP-1	Cogeneration/SPP – Long-Term Power Purchase	Original 75.1 thru 75.3
WI-1	Wind Integration	2 nd Revised 80.1 and 80.2
CR-1	Contingency Reserves	2 nd Revised 85.1 and 85.2

(continued)



ELECTRIC TARIFF



	10 th	Revised	Sheet No.	74.1
Canceling	9 th	Revised	Sheet No.	74.1

Schedule No. QF-1

QUALIFYING FACILITY POWER PURCHASE

APPLICABILITY: Applicable to any Seller with nameplate capacity of 3 MW or less who enters into a Power Purchase Agreement (Agreement) with the Utility for the sale of electric power to the Utility from a Qualifying Facility (QF) as defined under the Rules of the Commission.

The Utility shall purchase electrical energy for a term of not less than one month and not more than 15 years.

The QF-1 Tariff rates do not reflect Network Upgrade costs. Seller must apply for interconnection and enter into the applicable generation interconnection agreement with the Utility addressing those items in addition to entering into an Agreement under the terms of this Tariff.

RATE OPTIONS: Seller may select from the following two rate options and sub-options:

For all Rate Options, refer to Special Terms and Conditions Item 3 Disposition of RECs, Item 4 Wind Integration, and Item 5 Contingency Reserves.

The selected rate will be adjusted by the value of Contingency Reserves per the current Contingency Reserves Tariff CR-1. Subsequent to this adjustment, QFs must either self-provide or purchase Contingency Reserves as described in Item 5 under Special Terms and Conditions.

QFs selecting Option 1 Rates will be paid the Avoided Energy and Capacity Rate which corresponds to their resource type and Agreement length as reflected in Table 1 below.

(continued)



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Docket No.: D2016.5.39
Agenda No. 17-10-05

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January 2, 2018

PUBLIC SERVICE COMMISSION

Sharon J. ... Administrative Assistant

ELECTRIC TARIFF



Canceling $\frac{9^{th}}{8^{th}}$ Revised Revised Sheet No. 74.2
 Sheet No. 74.2

Schedule No. QF-1

QUALIFYING FACILITY POWER PURCHASE

Option 1(a): Avoided Energy and Capacity Rates:

Option 1 Rates for Energy and Capacity						
Contract Length (years)	Solar		Wind		Hydro/other	
	Off-peak Rate (\$/kWh)	On-peak Rate (\$/kWh)	Off-peak Rate (\$/kWh)	On-peak Rate (\$/kWh)	Off-peak Rate (\$/kWh)	On-peak Rate (\$/kWh)
1	\$0.02156	\$0.03062	\$0.02013	\$0.02779	\$0.02004	\$0.07670
2	\$0.02156	\$0.03062	\$0.02017	\$0.02783	\$0.02008	\$0.07677
3	\$0.02200	\$0.03107	\$0.02062	\$0.02829	\$0.02054	\$0.07725
4	\$0.02244	\$0.03151	\$0.02106	\$0.02873	\$0.02098	\$0.07773
5	\$0.02274	\$0.03181	\$0.02137	\$0.02904	\$0.02128	\$0.07806
6	\$0.02302	\$0.03211	\$0.02165	\$0.02932	\$0.02156	\$0.07837
7	\$0.02335	\$0.03243	\$0.02196	\$0.02964	\$0.02188	\$0.07871
8	\$0.02425	\$0.03334	\$0.02269	\$0.03037	\$0.02259	\$0.07946
9	\$0.02501	\$0.03410	\$0.02332	\$0.03100	\$0.02321	\$0.08010
10	\$0.02566	\$0.03476	\$0.02386	\$0.03155	\$0.02375	\$0.08067
11	\$0.02624	\$0.03535	\$0.02436	\$0.03206	\$0.02425	\$0.08119
12	\$0.02677	\$0.03588	\$0.02483	\$0.03252	\$0.02471	\$0.08168
13	\$0.02725	\$0.03636	\$0.02525	\$0.03295	\$0.02513	\$0.08213
14	\$0.02771	\$0.03683	\$0.02567	\$0.03338	\$0.02555	\$0.08257
15	\$0.02814	\$0.03726	\$0.02606	\$0.03377	\$0.02593	\$0.08298

Payments: Rate x kWh metered during each Off-Peak Hours and On-Peak Hours period.

kWh = Metered kilowatt-hours supplied to the Utility for each Off-Peak Hours and On-Peak Hours period.

(continued)



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 Docket No.: D2016.5.39
 Agenda No. 17-10-05

Effective for service rendered on or after
 January 2, 2018

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ELECTRIC TARIFF

NorthWestern
Energy

Canceling $\frac{5^{th}}{4^{th}}$ Revised Revised Sheet No. 74.3
Sheet No. 74.3

Schedule No. QF-1

QUALIFYING FACILITY POWER PURCHASE

Option 1(b): Agreement lengths: 1 month to 18 months – short-term.

RATE:

Energy (\$/kWh):

- i. Agreement lengths up to 1 year use Year 1 rates from above table.
- ii. Agreement lengths 1 year to 18 months use Year 2 rates from above table.

Payments: Hourly Rate x Hourly kWh

kWh = Metered kilowatt hours supplied to the Utility in each hour.

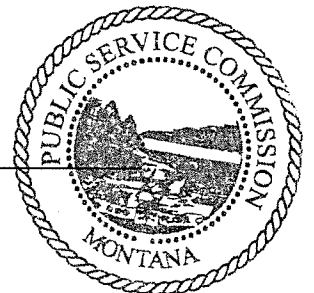
Option 2: Agreement length of up to 25 years.

Rate: This rate is equal to the published Intercontinental Exchange (ICE) Mid-C index price for Heavy Load Hours and Light Load Hours, less \$.00162/kWh basis adjustment between Mid-C and Montana, and applied to the Heavy Load and Light Load metered sales and purchases of Seller. Another Mid-C price index may be substituted if necessary, if ICE is no longer available.

Payments: Daily Heavy Load Hour and Light Load Hour Rate x Heavy Load and Light Load kWh

kWh = Metered kilowatt hours supplied to the Utility in each daily Heavy Load and Light Load period.

(continued)



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Docket No.: D2016.5.39
Agenda No. 17-10-05

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[Signature] Administrative Assistant

ELECTRIC TARIFF



	<u>2nd</u>	Revised	Sheet No.	<u>74.4</u>
Canceling	<u>1st</u>	Revised	Sheet No.	<u>74.4</u>

Schedule No. QF-1

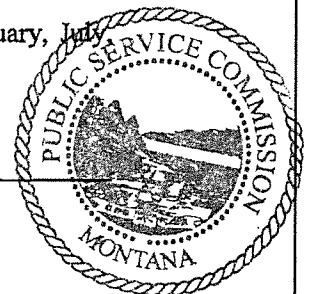
QUALIFYING FACILITY POWER PURCHASE

SPECIAL TERMS AND CONDITIONS:

1) Definitions:

- A. "Agreement" means the Power Purchase Agreement between Seller and the Utility for a term of not less than one month.
- B. "Commission" means the Montana Public Service Commission.
- C. "Contingency Reserves" are an amount of spinning and nonspinning reserves (at least half must be spinning reserve) sufficient to meet the North American Electric Reliability Council (NERC) Disturbance Control Standard BAL-002 consistent with Western Electric Coordinating Council and Northwest Power Pool requirements.
- D. "Contract Length" means the length of a Seller's contract with NorthWestern measured in whole years. For contract terms not in whole years, the length of a Seller's contract will be rounded up to the next whole year for purposes of determining applicable rates.
- E. "Heavy Load Hours" means the weekday and Saturday hours ending 7 and through hour ending 22 inclusive, Pacific Prevailing Time, except NERC defined holidays. For purposes of this Tariff, Heavy Load Hours correspond to Peak hours as used on the ICE web site.
- F. "Intermittent" means generation resources with variable generation output from hour to hour. Specifically, wind and solar PV are considered to be Intermittent resources.
- G. "Light Load Hours" means those hours not included in the definition of Heavy Load Hours. For purposes of this Tariff, Light Load Hours correspond to Off-Peak hours as used on the ICE web site.
- H. "Network Upgrades" means additions, modifications, and upgrades to NorthWestern's transmission system required at or beyond the point at which the Small Generating Facility interconnects with the transmission system to accommodate the interconnection with the Small Generating Facility to NorthWestern's transmission system. Network Upgrades do not include Distribution Upgrades.
- I. "Off-Peak Hours" means those hours in the year not included in the definition of On-Peak Hours.
- J. "On-Peak Hours" means the Heavy Load hours for the months of January, February, July, August, and December.

(continued)



ELECTRIC TARIFF

NorthWestern
Energy

Canceling ^{3rd}
2nd Revised Revised

Sheet No. 74.5
Sheet No. 74.5

Schedule No. QF-1

QUALIFYING FACILITY POWER PURCHASE

- K. "Other QF" means QF facilities other than hydroelectric, wind or solar powered resources.
- L. "RECs" means renewable energy credit. One megawatt hour of renewable energy generation gives rise to one REC, and this REC embodies all environmental attributes of that renewable energy generation.
- M. "Regulating Reserve" is spinning reserve immediately responsive to Automatic Generation Control (AGC) to provide sufficient regulating margin to allow the Balancing Authority to meet NERC's Control Performance Criteria (BAL-001).
- N. "Seller," for purposes of this schedule, is any individual, partnership, corporation, association, government agency, political subdivision, municipality or other entity that:
- a. Operates a QF; and
 - b. Has entered into an Agreement(s) with the Utility stipulating the terms and conditions of the interconnection and separately the sale of electric power to the Utility.
- O. "Utility" means NorthWestern Energy.
- P. "Wind Integration Services" means those services necessary to integrate wind generation into the Utility's electric transmission and/or distribution system(s) in a manner such that all operational and reliability criteria are met. Wind Integration Services include, but are not limited to, Regulating Reserves, imbalance service, and scheduling.
- 2) Net Billing Option: If Seller contracts for Net Billing and the Seller's consumption kWh exceeds its production kWh, Seller shall be billed for power supply for the consumption kWh in excess of the production kWh in accordance with the Utility's applicable rate schedule. If Seller's consumption kWh is less than its production kWh, Seller shall receive a power supply payment (credit) for the production kWh in excess of the consumption kWh at the Rates specified above.
- 3) Disposition of RECs: QFs retain RECs but may still separately attempt to negotiate for the sale of RECs to NWE or other interested parties at any time that an Agreement remains in effect. Any such negotiation occurs separate from the Power Purchase Agreement and does not create a reopener that refreshes the rates in the Agreement.

(continued)



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Agenda No. 17-10-05

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Shirley J. Smith Administrative Assistant

ELECTRIC TARIFF



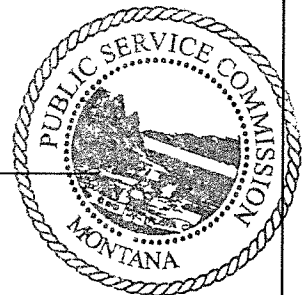
	<u>4th</u>	Revised	Sheet No.	<u>74.6</u>
Canceling	<u>3rd</u>	Revised	Sheet No.	<u>74.6</u>

Schedule No. QF-1

QUALIFYING FACILITY POWER PURCHASE

- 4) Wind Integration: Sellers of Wind Energy must contractually agree to the provision of wind integration services for the term of the Agreement and may either self-supply sufficient within-hour regulating reserves under terms acceptable to NorthWestern or pay the Utility for these services according to the Wind Integration Tariff (WI-1). Payment to the Utility for selection of service through WI-1 will result in a deduction from the total monthly payment made to the QF to reflect the provision of integration services.
- 5) Contingency Reserves: QFs must either self-supply contingency reserves, or purchase the needed reserves from NorthWestern at the rate as specified according to the Contingency Reserves Tariff (CR-1). If the QF purchases reserves from NorthWestern, the CR-1 rate for the appropriate resource type will be deducted from the total monthly payment made to the QF to reflect the provision of contingency reserves.
- 6) Hourly Metering: Sellers are required to install interval metering capability if necessary to support the Rate Option chosen.

SERVICE AND RATES SUBJECT TO COMMISSION JURISDICTION: All rates and service conditions under this Rate Schedule are governed by the rules and regulations of the Public Service Commission of Montana and are subject to revision as the Commission may duly authorize in the exercise of its jurisdiction.



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Sharon King Administrative Assistant