

Liberty Utilities (Midstates Natural Gas) Corp.
d/b/a Liberty Utilities

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

WEATHER NORMALIZATION ADJUSTMENT RIDER

APPLICABILITY

The Weather Normalization Adjustment (“WNA”) Rider is applicable to each ccf of gas delivered under the terms of the residential and small general service (“SGS”) rate schedules of Liberty Utilities (Midstates Natural Gas) Corp’s d/b/a Liberty Utilities (“Liberty”) until such time as it may be discontinued or modified by order of the Commission in a general rate case. The Northeast and West District and the Southeast District will have separate rider rates that will be applied as a separate line item on a customer’s bill.

CALCULATION OF ADJUSTMENT

The WNA Factor will be calculated for each billing cycle and billing month as follows:

$$WNA_i = \sum_{j=1}^{18} ((NDD_{ij} - ADD_{ij}) \cdot C_{ij}) \cdot \beta$$

Where:

- i = the applicable billing cycle month
- WNA_i = Weather Normalization Adjustment
- j = the billing cycle
- WDD_{ij} = the total normal heating degree days based upon Staff’s daily normal weather as determined in the most recent rate case.
- ADD_{ij} = the total actual heating degree days, base 65° at the applicable weather station; Kirksville, MO for the Northeast and West district and Cape Girardeau, MO for the Southeast district.
- C_{ij} = the total number of customer charges charged in billing cycle j and billing month i
- β = the applicable coefficient; 0.1125474 for the residential class and 0.2389388 for the SGS class in the Northeast and West district, and 0.1108690 for the residential class and 0.2371604 for the SGS class in the Southeast district.

1. Monthly WNA_i = WNA_i x Weighted Volumetric Rate (“WRVR”),

2. For the winter billing months (November through April) the Residential WRVR in the Northeast and West District shall be equal to the Residential Distribution Commodity rate established at the conclusion of each general rate case. For Case No. GR-2018-0013, the amount is \$0.33607. The Residential WRVR in the Northeast and West District for each of the summer billing months (May through October) shall be determined at the conclusion of each general rate case as the percentage of total residential customers whose usage ends in the first rate block multiplied by the volumetric rate of that block plus the percentage of total residential customers whose usage ends in the second rate block multiplied by the volumetric rate of that block. Currently effective summer WR R’s are reflected in the table below:

Residential	May	Jun	Jul	Aug	Sep	Oct
Summer WRVR						
Pct First Block	59.4%	94.2%	97.8%	98.7%	98.2%	95.2%
1st 30 CCF	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935
Over 30 CCF	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193
Summer WRVR	\$ 0.35072	\$ 0.33239	\$ 0.33048	\$ 0.33004	\$ 0.33029	\$ 0.33187

For the Residential class in the Southeast District, the Residential WRVR shall be equal to the Residential Distribution Commodity rate established at the conclusion of each general rate case. For Case No. GR-2018-0013, the amount is \$0.24335.

For the SGS class, the SGS WRVR shall be equal to the SGS Distribution Commodity rate established at the conclusion of each general rate case. For Case No. GR-2018-0013, the SGS WRVR in the Northeast and West District is \$0.14216, and in the Southeast District is \$0.08312.

DATE OF ISSUE: June 8, 2018
month day year

DATE EFFECTIVE: July 1, 2018
month day year

ISSUED BY: Christopher D. Krygier
name of officer

Director, Rates & Regulatory Affairs
title

Jackson, MO
address

FORM NO. 13

P.S.C. MO. No. 2

Original SHEET No. 67.1

Cancelling P.S.C. MO. No. 2

Original SHEET No.

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities

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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

3. The Current Semiannual WNA ("CSWNA") shall be the sum of the billing cycle WNA for each of the six Monthly WNAi for the billing months in the applicable six month period divided by the annual volumetric billing determinates set for the residential rate class in the most recent rate case.

4. Semiannual Reconciliation Rate ("SRR"): Three (3) months prior to the end of the twelve (12) months of billing of each CSWNA, the over- or under-billing of the numerator of the CSWNA shall be calculated based on nine (9) months actual sales and three (3) months projected sales. The amount of over- or under-billing shall be adjusted as ordered by the Commission, if applicable. The resulting amount shall be divided by the annual volumetric billing determinates set for the residential rate class in the most recent rate case. Three (3) months prior to the end of the twelve (12) months of billing of each SRR, the over- or under-billing of the SRR shall be calculated based on nine (9) months actual sales and three (3) months projected sales. Any remaining over- or underbilling from the SRR shall be applied to the next SRR. The three (3) months projected sales associated with each CSWNA and SSR shall be trued-up with actuals upon calculation of the next applicable SSR.

5. The Company will make a semiannual rate filing with the Commission 30 days prior to the first effective day referenced in the CSWNA table to adjust the WNA Rider. Each CSWNA and SRR will remain in effect for twelve (12) months. The total WNA Rider rate shall be the sum of all effective CSWNAs and SRRs.

6. There shall be a limit of \$0.05 per ccf on upward adjustments for the WNA and no limit on downward adjustment. Any WNA adjustment amounts in excess of \$0.05 per ccf will be deferred for recovery from customers in the next WNA adjustment and applicable to part a. below.

- a. Each month, carrying costs, at a simple rate of interest equal to the prime bank lending rate (as published in The Wall Street Journal on the first business day of such month), minus two percentage points, shall be applied to the Company's average beginning and ending monthly WNA balances. In no event shall the carrying cost rate be less than 0%. Corresponding interest income and expense amounts shall be recorded on a net cumulative basis for the WNA deferral period.

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month day year

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~~3rd~~^{4th} Revised Sheet No. 67.2
~~2nd~~^{3rd} Revised Sheet No. 67.2

Liberty Utilities (Midstates Natural Gas) Corp.
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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

Residential Rates for Northeast and West District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.01853
2019 S2	10/1/2019	12	9/30/2020	(0.02045)
2019 S1	4/1/2019	12	3/31/2020	(0.01127)
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	(0.00184)
2019 S2	10/1/2019	12	9/30/2020	0.0000
2019 S1	4/1/2019	12	3/31/2020	0.0000
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2020 S1	4/1/2020	6	9/30/2020	(0.00376)
2019 S2	10/1/2019	12	3/31/2020	(0.03172)

DATE OF ISSUE: August 30, 2019 ~~February 28, 2020~~ DATE EFFECTIVE: October 1, 2019 ~~April 1, 2020~~

ISSUED BY: Sheri Richard month day year
name of officer title address
Director, Rates & Regulatory Affairs
Joplin, MO

FORM NO. 13

P.S.C. MO. No. 2
Cancelling P.S.C. MO. No. 2

~~3rd-4th~~ Revised Sheet No. 67.3
~~2nd-3rd~~ Revised Sheet No. 67.3

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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)				
Residential Rates for Southeast District:				
CSWNA Table:				
Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.01756
2019 S2	10/1/2019	12	9/30/2020	0.00237
2019 S1	4/1/2019	12	3/31/2020	(0.00159)
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000
SRR Table:				
Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.00006
2019 S2	10/1/2019	12	9/30/2020	0.0000
2019 S1	4/1/2019	12	3/31/2020	0.0000
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000
WNA Rider Rate:				
Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2020 S1	4/1/2020	6	9/30/2020	0.01999
2019 S2	10/1/2019	126	3/31/2020	0.00078

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DATE OF ISSUE: August 30, 2019 February 28, 2020 DATE EFFECTIVE: October 1, 2019 April 1, 2020

ISSUED BY: Sheri Richard month day year
name of officer title
Director, Rates & Regulatory Affairs
Joplin, MO month day year
address

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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

SGS Rates for Northeast and West District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.00780
2019 S2	10/1/2019	12	9/30/2020	(0.00856)
2019 S1	4/1/2019	12	3/31/2020	(0.00477)
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.00049
2019 S2	10/1/2019	12	9/30/2020	0.0000
2019 S1	4/1/2019	12	3/31/2020	0.0000
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2020 S1	4/1/2020	6	9/30/2020	(0.00027)
2019 S2	10/1/2019	12	3/31/2020	(0.01333)

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ISSUED BY: Sheri Richard Director, Rates & Regulatory Affairs Joplin, MO
name of officer title address

FORM NO. 13

P.S.C. MO. No. 2

Cancelling P.S.C. MO. No. 2

~~3rd-4th~~ Revised Sheet No. 67.5

~~2nd-3rd~~ Revised Sheet No. 67.5

Liberty Utilities (Midstates Natural Gas) Corp.

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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

SGS Rates for Southeast District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.00598
2019 S2	10/1/2019	12	9/30/2020	0.00080
2019 S1	4/1/2019	12	3/31/2020	(0.00055)
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S1	4/1/2020	12	3/31/2021	0.00007
2019 S2	10/1/2019	12	9/30/2020	0.0000
2019 S1	4/1/2019	12	3/31/2020	0.0000
2018 S2	10/1/2018	12	9/30/2019	0.0000
2018 S1	Effective Date of this Sheet		3/31/2019	0.0000

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WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2020 S1	4/1/2020	6	9/30/2020	0.00685
2019 S2	10/1/2019	12	3/31/2020	0.00025

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month day year
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Director, Rates & Regulatory Affairs
title

Joplin, MO
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