

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities or Liberty

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

NDD_{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 as computed based on the Chillicothe station, as adjusted, for the Northeast and West Districts along with Cape Girardeau, MO for the Southeast district.

- The following factors are to be used to increase the Chillicothe actual HDDs to Kirksville area due to the absence of a weather station in Kirksville:

Jan 2.89%	Mar 7.06%	May 28.83%	Jul 74.94%	Sep 30.93%	Nov 4.26%
Feb 3.98%	Apr 11.25%	Jun 67.18%	Aug 107.58%	Oct 11.14%	Dec 2.88%

C_{ij} = the total number of customer charges charged in billing cycle j and billing month i

= 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.

- 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 WRVR’s are reflected in the table below:

Residential Summer WRVR	May	Jun	Jul	Aug	Sep	Oct
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

DATE OF ISSUE: August 19, 2020
month day year

DATE EFFECTIVE: October 1, 2020
~~September 18, 2020~~
month day year

ISSUED BY: Sheri Richard
name of officer

Director, Rates & Regulatory Affairs
title

Joplin, MO
address

FILED
Missouri Public
Service Commission
GT-2021-0047; JG-2021-0042

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

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

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.

3. The Current Semiannual WNA ("CSWNA") shall be the sum of the billing cycle WNA for each of the six Monthly WNA_i 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.

October 1, 2020

DATE OF ISSUE: September 18, 2020
month day yearDATE EFFECTIVE: October 18, 2020
month day yearISSUED BY: Sheri Richard
name of officerDirector, Rates & Regulatory Affairs
titleJoplin, MO
addressFILED
Missouri Public
Service Commission
GT-2021-0047; YG-2021-0080

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities or Liberty

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

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)
2022 S2	10/1/2022	12	9/30/2023	(0.01938)
2023 S1	4/1/2023	12	3/31/2024	(0.00792)
2023 S2	10/1/2023	12	9/30/2024	0.01185

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	0.00047
2023 S1	4/1/2023	12	3/31/2024	(0.02679)
2023 S2	10/1/2023	12	9/30/2024	(0.00029)

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2023 S1	4/1/2023	6	9/30/2023	(0.05362)
2023 S2	10/1/2023	6	3/31/2024	(0.02315)

DATE OF ISSUE: September 1, 2023
month day yearDATE EFFECTIVE: October 1, 2023
month day yearISSUED BY: Cade Simmons Director, Rates and Regulatory Affairs
name of officer titleJoplin, MO
address

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities or Liberty

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

Residential Rates for Southeast District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	0.00128
2023 S1	4/1/2023	12	3/31/2024	(0.00005)
2023 S2	10/1/2023	12	9/30/2024	0.02493

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	(0.00012)
2023 S1	4/1/2023	12	3/31/2024	(0.02997)
2023 S2	10/1/2023	12	9/30/2024	0.00015

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2023 S1	4/1/2023	6	9/30/2023	(0.02886)
2023 S2	10/1/2023	6	3/31/2024	(0.00494)

DATE OF ISSUE: September 1, 2023
month day yearDATE EFFECTIVE: October 1, 2023
month day yearISSUED BY: Cade Simmons Director, Rates and Regulatory Affairs
name of officer titleJoplin, MO
address

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities or Liberty

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

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)
2022 S2	10/1/2022	12	9/30/2023	(0.00809)
2023 S1	4/1/2023	12	3/31/2024	(0.00333)
2023 S2	10/1/2023	12	9/30/2024	0.00493

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	0.00060
2023 S1	4/1/2023	12	3/31/2024	(0.02113)
2023 S2	10/1/2023	12	9/30/2024	0.00070

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2023 S1	4/1/2023	6	9/30/2023	(0.03195)
2023 S2	10/1/2023	6	3/31/2024	(0.01883)

DATE OF ISSUE: September 1, 2023
month day yearDATE EFFECTIVE: October 1, 2023
month day yearISSUED BY: Cade Simmons Director, Rates and Regulatory Affairs
name of officer titleJoplin, MO
address

Liberty Utilities (Midstates Natural Gas) Corp.

d/b/a Liberty Utilities or Liberty

FOR – All Areas

Name of Issuing Corporation

Community, Town or City

WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)

SGS Rates for Southeast District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	0.00044
2023 S1	4/1/2023	12	3/31/2024	(0.00001)
2023 S2	10/1/2023	12	9/30/2024	0.00864

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2022 S2	10/1/2022	12	9/30/2023	0.00007
2023 S1	4/1/2023	12	3/31/2024	(0.00321)
2023 S2	10/1/2023	12	9/30/2024	0.00000

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2023 S1	4/1/2023	6	9/30/2023	(0.00271)
2023 S2	10/1/2023	6	3/31/2024	0.00542

DATE OF ISSUE: September 1, 2023
month day yearDATE EFFECTIVE: October 1, 2023
month day yearISSUED BY: Cade Simmons Director, Rates and Regulatory Affairs
name of officer titleJoplin, MO
address