

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**  
For service prior to the effective date of this sheet

**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<sub>i</sub> = Weather Normalization Adjustment
- j = the billing cycle
- NDD<sub>ij</sub> = the total normal heating degree days based upon Staff’s daily normal weather as determined in the most recent rate case.
- ADD<sub>ij</sub> = 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.

1. 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<sub>ij</sub> = 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.

1. Monthly WNA<sub>i</sub> = WNA<sub>i</sub> 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	May	Jun	Jul	Aug	Sep	Oct
<b>Summer WRVR</b>						
<b>Pct First Block</b>	59.4%	94.2%	97.8%	98.7%	98.2%	95.2%
<b>1st 30 CCF</b>	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935	\$ 0.32935
<b>Over 30 CCF</b>	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193	\$ 0.38193
<b>Summer WRVR</b>	\$ 0.35072	\$ 0.33239	\$ 0.33048	\$ 0.33004	\$ 0.33029	\$ 0.33187

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month day year

DATE EFFECTIVE: January 8, 2025  
month day year

ISSUED BY: Charlotte Emery  
name of officer

Sr. Director, Rates and Regulatory Affairs  
title

Joplin, MO  
address

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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<sub>i</sub> 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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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)
2023 S2	10/1/2023	12	9/30/2024	0.01185
2024 S1	4/1/2024	12	3/31/2025	0.01137
2024 S2	10/1/2024	12	9/30/2025	0.03215
SRR Table:				
Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	(0.00029)
2024 S1	4/1/2024	12	3/31/2025	0.00133
2024 S2	10/1/2024	12	9/30/2025	0.00247
WNA Rider Rate:				
Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2024 S1	4/1/2024	6	9/30/2024	0.02426
2024 S2	10/1/2024	6	3/31/2025	0.04732

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ISSUED BY: Charlie Evans Director, Rates and Regulatory Affairs  
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Residential Rates for Southeast District:				
CSWNA Table:				
Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	0.02493
2024 S1	4/1/2024	12	3/31/2025	0.00666
2024 S2	10/1/2024	12	9/30/2025	0.02935
SRR Table:				
Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	0.00015
2024 S1	4/1/2024	12	3/31/2025	(0.00222)
2024 S2	10/1/2024	12	9/30/2025	0.00374
WNA Rider Rate:				
Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2024 S1	4/1/2024	6	9/30/2024	0.02952
2024 S2	10/1/2024	6	3/31/2025	0.03753

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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)
2023 S2	10/1/2023	12	9/30/2024	0.00493
2024 S1	4/1/2024	12	3/31/2025	0.00477
2024 S2	10/1/2024	12	9/30/2025	0.01328
SRR Table:				
Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	0.00070
2024 S1	4/1/2024	12	3/31/2025	0.00391
2024 S2	10/1/2024	12	9/30/2025	0.00074
WNA Rider Rate:				
Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2024 S1	4/1/2024	6	9/30/2024	0.01431
2024 S2	10/1/2024	6	3/31/2025	0.02270

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SGS Rates for Southeast District:				
CSWNA Table:				
Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	0.00864
2024 S1	4/1/2024	12	3/31/2025	0.00237
2024 S2	10/1/2024	12	9/30/2025	0.01021
SRR Table:				
Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2023 S2	10/1/2023	12	9/30/2024	0.00000
2024 S1	4/1/2024	12	3/31/2025	(0.00048)
2024 S2	10/1/2024	12	9/30/2025	0.00034
WNA Rider Rate:				
Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2024 S1	4/1/2024	6	9/30/2024	0.01053
2024 S2	10/1/2024	6	3/31/2025	0.01244

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**CALCULATION OF ADJUSTMENT**

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

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

Where:

- i = the applicable billing cycle month
- WNA<sub>i</sub> = Weather Normalization Adjustment
- j = the billing cycle
- n = the number of billing cycles
- NDD<sub>ij</sub> = the total normal heating degree days based upon daily normal weather as determined in the most recent rate case.
- ADD<sub>ij</sub> = the total actual heating degree days, base 65° for residential, base 60° for small general service at the applicable weather station; Kirksville, MO for the Northeast District, Kansas City, MO for the West District and Cape Girardeau, MO for the Southeast District.
- C<sub>ij</sub> = the total number of customer charges charged in billing cycle j and billing month i.
- β = the applicable weather coefficient as indicated in the table below:

District	Residential	SGS
Northeast	0.14109	0.36847
West	0.15092	0.37953
Southeast	0.14080	0.32963

- Monthly WNA<sub>i</sub> = WNA<sub>i</sub> x Volumetric Rate.
- The Volumetric Rate shall be equal to the Distribution Commodity established at the conclusion of each general rate case. For Case No. GR-2024-0106, the volumetric rates per Ccf are in the table below:

District	Residential	SGS
Northeast	\$0.44276	\$0.18594
West	\$0.44276	\$0.18594
Southeast	\$0.31279	\$0.10651

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- 3. The Current Annual WNA (“CWNA”) shall be the sum of the billing cycle WNA for each of the twelve Monthly WNA<sub>i</sub> for the revenue months in the applicable twelve (12) month period divided by the annual volumetric billing determinates set for the residential rate class or the small general service class (whichever is applicable) in the most recent rate case.
- 4. Annual Reconciliation Rate (“ARR”): Three (3) months prior to the end of the twelve (12) months of billing of each CWNA, the over- or under-billing of the numerator of the CWNA 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 ARR, the over- or under-billing of the ARR shall be calculated based on nine (9) months actual sales and three (3) months projected sales. Any remaining over- or underbilling from the ARR shall be applied to the next ARR. The three (3) months projected sales associated with each CWNA and ARR shall be trued-up with actuals upon calculation of the next applicable ARR.
- 5. The Company will make an annual rate filing with the Commission 30 days prior to the first effective day referenced in the CWNA table to adjust the WNA Rider. Each CWNA and ARR will remain in effect for twelve (12) months. The total WNA Rider rate shall be the sum of all effective CWNAs and ARRs.
- 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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WEATHER NORMALIZATION ADJUSTMENT RIDER (CONT'D)
For service after January 7, 2025

Calculation of Current Weather Adjustment Rates for All Areas:

Residential Class

District		Northeast	West	Southeast
Sum of Monthly WNA	a	0	0	0
Rate Case Normalized Ccf	b	12,203,679	2,469,188	17,185,669
Current Annual WNA rate	c = a/b	\$0.00000	\$0.00000	\$0.00000
Annual Reconciliation Rate (ARR)	d	\$0.00000	\$0.00000	\$0.00000
WNA Rider Rate	e = c + d	\$0.00000	\$0.00000	\$0.00000

Small General Service Class

District		Northeast	West	Southeast
Sum of Monthly WNA	a	0	0	0
Rate Case Normalized Ccf	b	3,880,055	907,146	5,009,348
Current Annual WNA rate	c = a/b	\$0.00000	\$0.00000	\$0.00000
Annual Reconciliation Rate (ARR)	d	\$0.00000	\$0.00000	\$0.00000
WNA Rider Rate	e = c + d	\$0.00000	\$0.00000	\$0.00000

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