

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.

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_{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.

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 WRVR’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

DATE OF ISSUE: August 19, 2020
 month day year

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

ISSUED BY: Sheri Richard
 name of officer

Director, Rates & 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 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.

October 1, 2020

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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 S2	10/1/2020	12	9/30/2021	(0.00121)
2021 S1	4/1/2021	12	3/31/2022	0.01208
2021 S2	10/1/2021	12	9/30/2022	(0.01357)

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	0.00083
2021 S1	4/1/2021	12	3/31/2022	(0.0020)
2021 S2	10/1/2021	12	9/30/2022	0.00028

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2021 S1	4/1/2021	6	9/30/2021	0.00970
2021 S2	10/1/2021	6	3/31/2022	(0.00321)

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ISSUED BY: Mike Beatty
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Vice President
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Residential Rates for Southeast District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	0.00696
2021 S1	4/1/2021	12	3/31/2022	0.01265
2021 S2	10/1/2021	12	9/30/2022	(0.00330)

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	(0.00001)
2021 S1	4/1/2021	12	3/31/2022	(0.00006)
2021 S2	10/1/2021	12	9/30/2022	(0.00040)

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2021 S1	4/1/2021	6	9/30/2021	0.01954
2021 S2	10/1/2021	6	3/31/2022	0.00889

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SGS Rates for Northeast and West District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	(0.00041)
2021 S1	4/1/2021	12	3/31/2022	0.00486
2021 S2	10/1/2021	12	9/30/2022	(0.00558)

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	0.00049
2021 S1	4/1/2021	12	3/31/2022	(0.00015)
2021 S2	10/1/2021	12	9/30/2022	0.00019

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2021 S1	4/1/2021	6	9/30/2021	0.00479
2021 S2	10/1/2021	6	3/31/2022	(0.00068)

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SGS Rates for Southeast District:

CSWNA Table:

Period	Rate First Effective	Months	Rate Ending Effective	CSWNA (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	0.00240
2021 S1	4/1/2021	12	3/31/2022	0.00435
2021 S2	10/1/2021	12	9/30/2022	(0.00111)

SRR Table:

Period	Rate First Effective	Months	Rate Ending Effective	SRR (Semiannual)
2020 S2	10/1/2020	12	9/30/2021	(0.00004)
2021 S1	4/1/2021	12	3/31/2022	(0.00039)
2021 S2	10/1/2021	12	9/30/2022	(0.00032)

WNA Rider Rate:

Period	Rate First Effective	Months	Rate Ending Effective	WNA (Semiannual)
2021 S1	4/1/2021	6	9/30/2021	0.00632
2021 S2	10/1/2021	6	3/31/2022	0.00253

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