

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
 month day year

ISSUED BY: Sheri Richard
 name of officer

Director, Rates & Regulatory Affairs
 title

Joplin, MO
 address