

Sheet No. 32.1

WEATHER NORMALIZATION ADJUSTMENT RIDER (WNAR)

(cont.)

The Weather Normalization Adjustment to usage (WNU) in Ccf will be calculated for each billing month as follows:

$$WNU_i = \sum_{j=1}^{21} ((NDD_{ij} - ADD_{ij}) * \beta) * C_{ij}$$

Where:

- i = the applicable billing month
j = billing cycle
- β = Residential Service weather response coefficient of 0.10918 Ccf per heating degree day (HDD) as established in Case No. GR-2021-0241 applicable through the day through the day before the effective date of this tariff sheet.
or
Residential Service weather response coefficient of 0.09639 Ccf per HDD as established in Case No. GR-2024-0369 applicable beginning on the effective date of this tariff sheet and thereafter.
- C_{ij} = the total number of customer charges charged in billing cycle j and billing month i.
- NDD_{ij} = the total normal HDD as ordered in Case No. GR-2024-0369 for the days in the applicable billing month and billing cycle. Normal HDDs for the WNAR are calculated as the weighted average of 87.0% of daily normal HDD for the National Oceanic and Atmospheric Administration (NOAA) Columbia, MO Airport weather station and 13.0% of the normal HDD of the NOAA Cape Girardeau, MO Airport weather station.
- ADD_{ij} = the total actual HDDs for the days in the applicable billing month and billing cycle. Actual HDDs are a weighted average based on 87.0% of HDD observed at the NOAA Columbia, MO Airport weather station and 13.0% of the HDD observed at the NOAA Cape Girardeau, MO Airport weather station.

The dollar amount to be recovered or returned is calculated as:

$$\text{Monthly WNA}_i = WNU_i * DC$$

Where:

- DC = the Residential Delivery Charge of:
- \$0.3536 per Ccf as established in Case No. GR-2021-0241 applicable through the effective date of this tariff sheet.
 - \$0.5334 per Ccf as established in Case No. GR-2024-0369 applicable after the effective date of this tariff sheet.

Each month, monthly interest at the Company's monthly short-term borrowing rate shall be applied to the Company's average beginning and ending monthly WNA balances. Corresponding interest income and expense amounts shall be recorded on a net cumulative basis for the WNA deferral period.

WEATHER NORMALIZATION ADJUSTMENT RIDER (WNAR)

(cont.)

The ~~WNA Factor~~ Weather Normalization Adjustment to usage (WNU) in Ccf will be calculated for each billing month as follows:

$$WNUA_i = \sum_{j=1}^{21} ((NDD_{ij} - ADD_{ij}) * \beta) * C_{ij}$$

Where:

~~WNA_i~~ = ~~Weather Normalization Adjustment~~

i = the applicable billing month

j = billing cycle

β = Residential Service weather response coefficient of 0.10918 Ccf per heating degree day (HDD) as established in Case No. GR-2021-0241 applicable through the day before the effective date of this tariff sheet.

or

Residential Service weather response coefficient of 0.09639 Ccf per HDD as established in Case No. GR-2024-0369 applicable beginning on after the effective date of this tariff sheet.

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

NDD_{ij} = the total normal ~~heating degree days~~ HDD as ordered in Case No. GR-2024-0369 for the days in the applicable billing month and billing cycle. ~~The nNormal HDDs~~ degree days for the WNAR are calculated as the weighted average of 87.0% of ~~heating degree days~~ daily normal HDDs observed at for the National Oceanic and Atmospheric Administration (NOAA) Columbia, MO Airport weather station and 13.0% ~~of the heating degree days observed at~~ normal HDDS for the Cape Girardeau, MO Airport weather station.

ADD_{ij} = the total actual ~~heating degree days~~ HDDs for the days in the applicable billing month and billing cycle. Actual HDDs are a weighted average ~~will be~~ calculated based on 87.0% of ~~heating degree days~~ HDD observed at the NOAA Columbia, MO Airport weather station and 13.0% of the ~~heating degree days~~ HDD observed at the NOAA Cape Girardeau, MO Airport weather station.

The dollar amount to be recovered or returned is calculated as:

$$\text{Monthly WNA}_i = WNUA_i * \text{Weighted Volumetric Rate} (\text{"WVR"})DC$$

Where:

DCWVR = the Residential ~~Distribution~~ Delivery Rate Charge of:

- \$0.3536 per Ccf as established in Case No. GR-2021-0241 applicable through the day before the effective date of this tariff sheet.
- \$0.53347 per Ccf as established in Case No. GR-2024-0369 applicable on and after the effective date of this tariff sheet.

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~~There shall be a limit of \$0.05 per Ccf on upward adjustments for the WA, and no limit on downward adjustments. Any WA adjustment amounts in excess of \$0.05 per Ccf will be deferred for recovery from customers in the next WA adjustment.~~

Each month, monthly interest at the Company's monthly short-term borrowing rate shall be applied to the Company's average beginning and ending monthly WNA balances. Corresponding interest income and expense amounts shall be recorded on a net cumulative basis for the WNA deferral period.