

PSC NO: 90 GAS  
NEW YORK STATE ELECTRIC & GAS CORPORATION  
INITIAL EFFECTIVE DATE: 10/17/09

LEAF: 100  
REVISION: 2  
SUPERSEDING REVISION: 1

## GENERAL INFORMATION

### 17. WEATHER NORMALIZATION ADJUSTMENT (WNA): (CONT'D)

#### B. Calculation of the WNA:

- (1) The WNA will be calculated using the following formulas:

$$\text{WAF} = \frac{\text{DDF} * [\text{NHDD} - \text{AHDD}]}{(\text{BP} * \text{BLT}) + (\text{DDF} * \text{AHDD})}$$

$$\text{Therms}_{\text{Normal}} = \text{Therms}_{\text{Actual}} + (\text{Therms}_{\text{Actual}} * \text{WAF})$$

$$\text{WNA}_n = (R_n * \text{Therms}_{\text{Normal}(n)}) - (R_n * \text{Therms}_{\text{Actual}(n)})$$

$$\text{WNA}_{\text{Total}} = \text{Sum}(\text{WNA}_n)$$

- (2) Where,

- (a) "WAF" is the Weather Adjustment Factor.
- (b) "HDD" or Heating Degree Days are the difference between sixty-five degrees (65<sup>1</sup>) Fahrenheit and the average of the minimum and maximum temperature as reported by the applicable National Weather Service station for a particular day. The HDD are zero (0) when the average temperature is greater than sixty-five degrees (65<sup>1</sup>) Fahrenheit. HDD is also used to refer to the cumulative HDD for any defined period greater than one (1) day.
- (c) "NHDD" or Normal Heating Degree Days, for any given calendar day, are based upon a ten-year average of the heating degree days for that calendar day. The applicable ten-year period ends on December 31<sup>st</sup> of the year before the current WNA season. NHDD is also used to refer to the cumulative NHDD for any defined period greater than one (1) day.

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