

BEFORE THE TENNESSEE REGULATORY AUTHORITY

NASHVILLE, TENNESSEE

October 5, 2009

IN RE:

**AUDIT OF PIEDMONT NATURAL GAS
COMPANY'S WEATHER NORMALIZATION
ADJUSTMENT FOR THE PERIOD NOVEMBER
1, 2008 THROUGH MARCH 31, 2009**

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**DOCKET NO.
09-00111**

**ORDER ADOPTING WNA AUDIT REPORT OF THE UTILITIES DIVISION
OF THE TENNESSEE REGULATORY AUTHORITY**

This matter came before Chairman Sara Kyle, Director Eddie Roberson, and Director Mary W. Freeman of the Tennessee Regulatory Authority (the "Authority" or "TRA"), the voting panel assigned to this docket, at a regularly scheduled Authority Conference held on September 21, 2009 for consideration of the WNA Audit Report ("Audit Report") of the Authority's Utilities Division (the "Staff") resulting from the Staff's audit of Piedmont Natural Gas Company's ("Piedmont" or the "Company") Weather Normalization Adjustment ("WNA") for the period November 1, 2008 through March 31, 2009. The Audit Report, which was filed on August 27, 2009, is attached hereto as Exhibit 1 and incorporated in this Order by reference.

The Audit Report included no findings. After consideration of the Audit Report, the panel unanimously voted to approve the Audit Report.

IT IS THEREFORE ORDERED THAT:

The WNA Audit Report, a copy of which is attached to this Order as Exhibit 1, is approved and adopted and incorporated in this Order as if fully rewritten herein.


Sara Kyle, Chairman


Eddie Roberson, Director


Mary W. Freeman, Director

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BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE

August 27, 2009

IN RE:)
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PIEDMONT NATURAL GAS) **Docket No. 09-00111**
WEATHER NORMALIZATION ADJ. (WNA) AUDIT)

**NOTICE OF FILING BY THE UTILITIES DIVISION OF THE TENNESSEE
REGULATORY AUTHORITY**

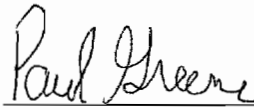
Pursuant to Tenn. Code Ann. §§65-4-104, 65-4-111 and 65-3-108, the Utilities Division of the Tennessee Regulatory Authority (the "Utilities Division") hereby gives notice of its filing of the Piedmont Natural Gas WNA Audit Report in this docket and would respectfully state as follows:

1. The present docket was opened by the Authority to hear matters arising out of the audit of Piedmont Natural Gas (the "Company").
2. The Company's WNA filings were received November 1, 2008, through March 31, 2009, and the Staff completed its audit of same on August 25, 2009.
3. Since there were no findings, the Utilities Division did not issue a preliminary WNA audit report to the Company.
4. The Report is attached hereto as Exhibit A and is fully incorporated herein by this reference. The Report contains the audit findings of the Utilities Division.

Exhibit 1

5. The Utilities Division hereby files its Report with the Tennessee Regulatory Authority for deposit as a public record and approval of the findings and recommendations contained therein.

Respectfully Submitted:

A handwritten signature in cursive script, reading "Paul Greene", positioned above a horizontal line.

Paul Greene
Utilities Division
Tennessee Regulatory Authority

EXHIBIT A

COMPLIANCE AUDIT REPORT

OF

PIEDMONT NATURAL GAS

WEATHER NORMALIZATION ADJUSTMENT (WNA) RIDER

DOCKET NO. 09-00111

TENNESSEE REGULATORY AUTHORITY

UTILITIES DIVISION

August 2009

**COMPLIANCE AUDIT OF
NASHVILLE GAS COMPANY
WEATHER NORMALIZATION ADJUSTMENT (WNA) RIDER
Docket No. 09-00111**

TABLE OF CONTENTS

	<u>PAGE NO.</u>
I. INTRODUCTION AND AUDIT OPINION	1
II. SCOPE OF AUDIT	1
III. BACKGROUND INFORMATION ON NASHVILLE GAS COMPANY	2
IV. BACKGROUND ON WEATHER NORMALIZATION ADJUSTMENT (WNA) RIDER	2
V. IMPACT OF WNA RIDER	3
VI. WNA FINDINGS AND CONCLUSIONS	5
ATTACHMENT 1	
SERVICE SCHEDULE NO. 315	
<u>WEATHER NORMALIZATION ADJUSTMENT RIDER</u>	

COMPLIANCE AUDIT
PIEDMONT NATURAL GAS
WEATHER NORMALIZATION ADJUSTMENT (WNA) RIDER
Docket No. 09-00111

I. INTRODUCTION AND AUDIT OPINION

The subject of this compliance audit is the Weather Normalization Adjustment (WNA) Rider of Piedmont Natural Gas (hereafter "PNG," "Piedmont" or the "Company"). The objective of this audit was to determine if the WNA adjustments were calculated correctly and applied to customers' bills appropriately between November 1, 2008 and March 31, 2009. As a result of the WNA Rider, the Company refunded a net \$1,193,845.36 and \$523,259.78 to the residential and commercial customers respectively during the period. The impact of WNA revenues on the Company's total revenues is detailed in Section V.

The Audit Staff's ("Staff") audit results produced no findings for the audit period under review. Therefore, Staff concludes that the Company is correctly implementing the mechanics of the WNA Rider as specified by the Tennessee Regulatory Authority ("TRA" or the "Authority") and included in the Company's tariff. (See Attachment 1)

II. SCOPE OF AUDIT

In meeting the objective of the audit, the Staff compared the following on a daily basis:

- (1) The Company's actual heating degree days (ADD) to National Oceanic and Atmospheric Administration ("NOAA") actual heating degree days;
- (2) The Company's normal heating degree days (NDD) to the normal heating degree days calculated in the last rate case; and
- (3) The Company's calculation of the WNA factor to Staff's calculation.

The Staff selected a sample of customer bills to verify that the WNA factor had been correctly applied to the bills. The Staff also examined each sample bill to determine whether the Base Rates and Purchased Gas Adjustments were billed correctly.

Patsy Fulton and Paul Greene of the Utilities Division conducted this audit.

III. BACKGROUND INFORMATION ON PIEDMONT NATURAL GAS CO.

Piedmont Natural Gas Company corporate headquarters are located at 4720 Piedmont Row Drive, Charlotte, North Carolina. Local offices are located at 665 Mainstream Drive, Nashville, Tennessee. PNG is a natural gas distributor that provides service to Nashville and several other communities in the Middle Tennessee area, as well as service areas in North and South Carolina. The natural gas used to serve Tennessee is purchased from producers and marketers and transported to Nashville's city gate through the interstate transmission facilities of Tennessee Gas Pipeline (TGP), Columbia Gas Transmission Corporation (CGTC), and Texas Eastern Gas Pipeline (TETCO).

IV. BACKGROUND ON WEATHER NORMALIZATION ADJUSTMENT (WNA) RIDER

On September 26, 1991, the Tennessee Public Service Commission¹ ("TPSC") approved a three-year experimental Weather Normalization Adjustment Rider² to the tariffs of Chattanooga Gas Company, Nashville Gas Company³, a division of Piedmont Gas Company, Inc. and United Cities Gas Company.⁴ The WNA Rider was to be applied to residential and commercial customers' bills during the months of October through May of each year (See Attachment 1). On June 21, 1994, the TPSC issued an Order authorizing the above mentioned gas companies to permanently implement an amended version⁵ of the WNA Rider. Nashville Gas is authorized to calculate WNA adjustments during the months of November through March of each year. The TRA Staff audits these calculations annually.

In setting rates, the Tennessee Regulatory Authority uses a normalized level of revenues and expenses for a test year, which is designed to be the most reasonable estimate of the Company's operations during the time the rates are to be in effect. Use of normalized operating levels eliminates unusual fluctuations that may occur during the test period, which causes rates to be set too high or too low.

Specifically, one part of normalizing revenues consists of either increasing or decreasing the test year weather related sales volumes to reflect the difference between the normal and actual heating degree days. (A heating degree day is calculated as the difference in the average daily temperature and 65 degrees Fahrenheit.) This average daily

¹ By legislative action, the Tennessee Public Service Commission was replaced on July 1, 1996 by the Tennessee Regulatory Authority. See Act of May 24, 1995, ch. 305, 1995 Tenn. Pub. Acts 450. The TRA retains jurisdiction over the above named gas companies. See Tenn. Code Ann. § 65-4-104; see also Tenn. Code Ann. § 65-4-101 (a) (defining public utility).

² See petition of Chattanooga Gas Company, Nashville Gas Company, a Division of Piedmont Natural Gas Company, Inc. and United Cities Gas Company for a Rulemaking Hearing to Adopt a Weather Normalization Adjustment (WNA) Rider, Docket No. 91-01712, Order (September 26, 1991).

³ In January 2008, Piedmont notified the Authority that beginning in March 2008, Nashville Gas' name would be changed to Piedmont Natural Gas.

⁴ Effective October 1, 2002, Atmos Energy Corporation announced that all divisions of the Company would start doing business as Atmos Energy™.

⁵ The amendment directed Chattanooga Gas Company and United Cities Gas Company to eliminate from their WNA Rider the shoulder months of October and May, and Nashville Gas Company to eliminate the shoulder months of October, April and May.

temperature constitutes normal weather and is determined based on the previous thirty years weather data.

Since normal weather rarely occurs, this has two impacts:

- (1) The customers' bills fluctuate dramatically due to changes in weather from month to month; and
- (2) The gas companies earn more or less than their authorized rate of return. For example, if weather is colder than normal, then more gas than anticipated in the rate case will be sold. This results in higher customer bills and overearnings for the company. On the other hand, if weather is warmer than normal, less gas than anticipated in the rate case will be sold, the customers' bills will be lower and the company will underearn.

In recognition of this fact, the TRA approved a WNA mechanism to reduce the impact abnormal weather has on the customers' bills and on the gas utilities' operations. In periods of weather colder than normal, the customer receives a credit (refund) on his bill, while in periods of warmer than normal weather, the customer is billed a surcharge. Thus, customers' monthly bills should not fluctuate as dramatically and the gas company should have a more stable rate of return.

V. IMPACT OF WNA RIDER

The graph (found at the end of this section) compares the actual heating degree days to normal heating degree days for Piedmont during the 2008-2009 heating season. It shows that in all months, except February 2009 and March 2009, the weather (overall) was colder than normal, resulting in a net refund from PNG to its customers for the period. The table below quantifies the number of actual heating degree days by month as compared to the normal heating degree days for that month.

Month	Actual Heating Degree Days	Normal Heating Degree Days	Warmer/Colder than Normal	Percentage Change
October 2008	202	188	Colder	-7.7%
November 2008	552	447	Colder	-23.5%
December 2008	747	738	Colder	-1.2%
January 2009	918	850	Colder	-8.1%
February 2009	583	639	Warmer	8.8%
March 2009	399	453	Warmer	11.9%
<u>Total</u>	<u>3401</u>	<u>3315</u>	<u>Colder</u>	<u>-2.6%</u>

Since the overall weather during the November 1, 2008 through March 31, 2009 period was colder than normal, the net impact of the WNA Rider was that residential and commercial customers were **refunded** \$1,193,845.36 and \$523,259.78 respectively. This equates to a decrease from residential and commercial sales of 1.15% and 0.93% respectively (See Table 1). This is a decrease from the previous year when the residential and commercial customers were **surcharged** \$1,663,456 and \$787,629 respectively (See Table 2).

Table 1

**Impact of WNA Rider on Residential & Commercial Revenues
November 1, 2008 - March 31, 2009**

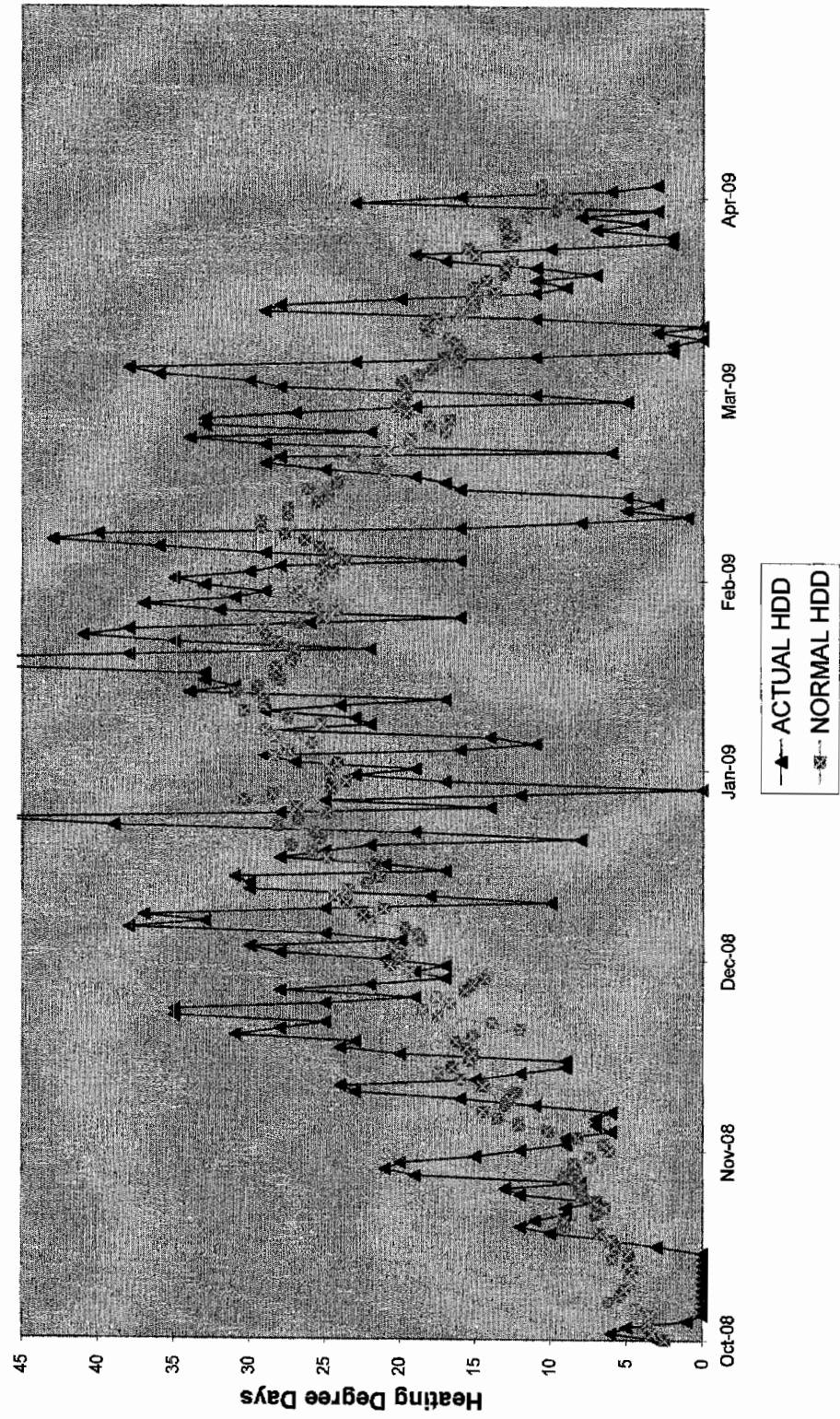
	<u>WNA Rider Revenues</u>	<u>Total Revenues</u>	<u>Percentage Impact of WNA Rider On Revenue</u>
Residential Sales	\$-1,193,845	\$103,765,563	1.15%
Commercial Sales	<u>-523,260</u>	<u>56,462,185</u>	0.93%
Total	<u>\$-1,717,105</u>	<u>\$160,227,748</u>	1.07%

Table 2

**Amount Surcharged (Refunded)
2006 - 2009**

	<u>Residential</u>	<u>Commercial</u>	<u>Total Surcharge/Refund</u>
11/06-3/07	\$ 1,516,798	\$ 839,820	\$ 2,356,618
11/07-3/08	1,663,456	787,629	2,451,085
11/08-3/09	<u>-1,193,845</u>	<u>-523,260</u>	<u>-1,717,105</u>
Total	<u>\$ 1,986,409</u>	<u>\$ 1,104,189</u>	<u>\$ 3,090,598</u>

Piedmont Natural Gas Company
Comparison of Actual to Normal Heating Degree Days
Nashville Weather Station



VI. WNA FINDINGS AND CONCLUSIONS

As noted in Section I of this report, Staff's audit resulted in no findings for the winter heating season of November 2008 through March 2009. Therefore, Staff concludes that the Company is correctly implementing the mechanics of the WNA Rider as specified by the Tennessee Regulatory Authority ("TRA" or the "Authority") and included in the Company's tariff. (See Attachment 1)

ATTACHMENT 1

NASHVILLE GAS COMPANY
665 Mainstream Drive
Nashville, Tennessee 37228
A Division of Piedmont Natural Gas Company
TRA Service Schedule No.315

Page 1 of 2

SERVICE SCHEDULE NO. 315 **Weather Normalization Adjustment** **(WNA) Rider**

I. Provision for Adjustment

The base rates per therm (100,000 Btu) for gas service set forth in any rate schedules utilized by the Authority in determining normalized test period revenues shall be adjusted by an amount hereinafter described, which amount is referred to as the "Weather Normalization Adjustment".

The Weather Normalization Adjustment will be applicable for bills rendered on and after November 1 and continuing through the final billing cycle in March of each year.

II. Definitions

For the purposes of this Rider:

"Authority" means the Tennessee Regulatory Authority.

"Relevant Rate Order" means the final order of the Authority in the most recent litigated rate case of the Company fixing the rates of the Company or the most recent final order of the Authority specifically prescribing or fixing the factors and procedures to be used in the application of this Rider.

III. Computation of Weather Normalization Adjustment

The Weather Normalization Adjustment shall be computed to the nearest one-hundredth cent per therm by the following formula:

$$WNA_i = R_i * \frac{(HSF_i(NDD-ADD))}{(BL_i + (HSF_i \times ADD))}$$

Where:

$I =$ any particular rate schedule or billing classification within any particular rate schedule that contains more than one billing classification.

$WNA_i =$ Weather Normalization Adjustment Factor for the i^{th} rate schedule or classification expressed in cents per therm.

$R_i =$ weighted average base rate (base rate less any embedded gas cost) of temperature sensitive sales for the i^{th} schedule or classification utilized by the Authority in the Relevant Rate Order for the purpose of determining normalized test year revenues.

EFFECTIVE: November 1, 2003
DOCKET NO: 03-00313

- HSF_i = heat sensitive factor for the i^{th} schedule or classification utilized by the Authority in the Relevant Rate Order for the purpose of determining normalized test year revenues.
- NDD = normal billing cycle heating degree days utilized by the Authority in the Relevant Rate Order for the purpose of determining normalized test year revenues.
- ADD = actual billing cycle heating degree days.
- BL_i = base load sales for the i^{th} schedule or classification utilized by the Authority in the Relevant Rate Order for the purpose of determining normalized test year revenues.

IV. Filing with Authority

The Company will file as directed by the Authority (a) a copy of each computation of the Weather Normalization Adjustment, (b) a schedule showing the effective date of each such Weather Normalization Adjustment, and a schedule showing the factors or values derived from the Relevant Rate Order used in calculating such Weather Normalization Adjustment.

Addendum to TRA Service Schedule No. 315

**Piedmont Natural Gas Company, Inc.
Calculation of Factors for WNA Computations
DOCKET NO. 03-00313**

	Base Rate (\$/therms)	Demand (\$/therms)	Commodity (\$/therms)	"R" Value (\$/therms)	Heat Factor (therms/DDD)	Base Factor (therms/mo.)
Residential						
Standard Rate	1.04802	0.05994	0.66808	0.32000	0.15957	3.91564
Value Rate	1.01008	0.02200	0.66808	0.32000	0.21337	23.08653
Commercial						
Rate 302	1.08202	0.05994	0.66808	0.35400	0.79247	0.675169
Rate 332						
first 2,000 therms	1.04408	0.02200	0.66808	0.35400	0.5184	486.2211
over 2,000 therms	1.03308	0.011	0.66808	0.35400	0.5184	486.2211
Rate 352	1.04408	0.02200	0.66808	0.35400	17.6718	2229.5876
Rate 362						
first 5,000 therms	1.04408	0.02200	0.66808	0.35400	5.36775	6229.7053
over 5,000 therms	1.03308	0.011	0.66808	0.35400	5.36775	6229.7053