



**Piedmont
Natural Gas
Company**

Post Office Box 33068
Charlotte, North Carolina 28233

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EXECUTIVE SECRETARY

November 18, 1999

Mr. David Waddell
Executive Secretary
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, Tennessee 37243-0505

Re: Docket No. 99-00994

Dear Mr. Waddell:

Enclosed are 14 copies of Exhibits CWF-1 through CWF-4 which were inadvertently omitted from Nashville Gas Company's general rate case filing on December 30, 1999. Please insert these exhibits directly behind the tab marked *Chuck W. Fleenor Exhibits*.

I apologize for any inconvenience resulting from this omission.

Sincerely,

Bill R. Morris

Bill R. Morris
Director-Rates

Enclosure

c: Vincent Williams, Consumer Advocate

FILE

**PIEDMONT NATURAL GAS COMPANY, INC.
NASHVILLE GAS DIVISION
PRO FORMA REVENUE CALCULATIONS**

Exhibit__ (CWF-1)

(dekatherms)	12 Mon 8/31/99 Test Period Actual (1)	Normalized Adjustment (2)	Normalized (3)	12 Mon 5/31/01 Growth Adj Thru Attrition Period (4)	Proforma Dekatherms (5)	10/01/1999 Billing Rates (6)	Proforma Revenues (7)
Residential 01							
Bills	1,403,882			104,717	1,508,599	\$7.00	\$10,560,194
Winter	6,541,717	1,030,317	7,572,034	635,984	8,208,017	\$6.4881	\$53,254,438
Summer	2,109,852	164,446	2,274,298	174,328	2,448,626	\$6.1252	\$14,998,325
Discounted	13,223		13,223		13,223	\$5.7252	\$75,701
Total Residential	<u>8,664,791</u>	1,194,764	<u>9,859,554</u>	810,312	<u>10,669,866</u>		<u>\$ 78,888,658</u>
Commercial 02							
Bills	188,741			9,359	198,100	\$20.00	\$3,962,004
Winter	4,391,800	509,869	4,901,669	254,451	5,156,120	\$6.7053	\$34,573,335
Summer	1,895,685	174,268	2,069,952	101,449	2,171,402	\$6.3284	\$13,741,498
Discounted	3,272		3,272		3,272	\$5.9284	\$19,398
Total Commercial	<u>6,290,757</u>	684,137	<u>6,974,894</u>	355,900	<u>7,330,794</u>		<u>\$ 52,296,235</u>
Firm Industrial Sales							
Bills	1,295			48	1,343	\$0.00	\$0
Demand dekatherms	144,977			4,594	149,571	\$14.37247	\$2,149,709
First 1,500	1,059,741	0	1,059,741	65,320	1,125,061	\$3.7535	\$4,222,915
Next 2,500	279,900	0	279,900	13,082	292,982	\$3.6831	\$1,079,082
Next 5,000	6,436	0	6,436	0	6,436	\$3.4697	\$22,332
Over 9,000	0	0	0	0	0	\$3.1489	\$0
Total Firm Ind Sales	<u>1,346,077</u>	0	<u>1,346,077</u>	78,402	<u>1,424,479</u>		<u>\$ 7,474,038</u>
Interruptible Industrial Sales							
Bills	188			0	188	\$200.00	\$37,600
First 1,500	188,579	0	188,579	(6,760)	181,819	\$3.7535	\$682,457
Next 2,500	148,213	0	148,213	(2,888)	145,325	\$3.6831	\$535,247
Next 5,000	107,395	0	107,395	0	107,395	\$3.4697	\$372,629
Over 9,000	26,799	0	26,799	0	26,800	\$3.1489	\$84,388
Total Interruptible Ind Sale	<u>470,986</u>	0	<u>470,986</u>	(9,648)	<u>461,339</u>		<u>\$ 1,712,321</u>
Firm Industrial Transportation							
Bills	625			0	625	\$75.00	\$46,875
Demand dekatherms	127,637				127,637	\$14.37247	\$1,834,459
First 1,500	704,748	0	704,748	420	705,168	\$0.8326	\$587,123
Next 2,500	492,312	0	492,312	400	492,712	\$0.7622	\$375,545
Next 5,000	152,475	0	152,475	1,500	153,975	\$0.5488	\$84,501
Over 9,000	175,988	0	175,988	0	175,988	\$0.2280	\$40,125
Total Firm Transp	<u>1,525,522</u>	0	<u>1,525,522</u>	2,320	<u>1,527,843</u>		<u>\$ 2,968,628</u>
Interruptible Industrial Transportation							
Bills	526			0	526	\$275.00	\$144,650
First 1,500	748,260	0	748,260	7,180	755,440	\$0.8326	\$628,979
Next 2,500	970,639	0	970,639	(22,740)	947,900	\$0.7622	\$722,489
Next 5,000	1,170,993	0	1,170,993	(1,631)	1,169,362	\$0.5488	\$641,746
Over 9,000	3,812,003	0	3,812,003	(262,071)	3,549,933	\$0.2280	\$809,385
Total Int Transportation	<u>6,701,895</u>	0	<u>6,701,895</u>	(279,261)	<u>6,422,635</u>		<u>\$ 2,947,249</u>
Smyrna							
	12			0	12		
Demand	15,000	0	15,000	0	15,000	\$10.8010	\$162,015
Commodity	31,160	0	31,160	0	31,160	\$3.4158	\$106,438
Total Bills	1,595,269			114,124	1,709,393		<u>\$ 268,453</u>
Annual Total	<u>25,031,188</u>	<u>1,878,900</u>	<u>26,910,089</u>	<u>958,028</u>	<u>27,868,117</u>		<u>\$ 146,555,583</u>

FILE

PIEDMONT NATURAL GAS COMPANY, INC.
NASHVILLE GAS DIVISION
CALCULATED REVENUE FROM PROPOSED RATES

	Proforma Billing Determinates	Proposed Rate	Proposed Revenue
Residential:			
Customer Charges	1,508,599	\$ 8.00	\$ 12,068,792
Winter Volumes	8,208,017	6.9203	56,801,940
Summer Volumes	2,448,626	6.5574	16,056,620
Air-Conditioning Volumes	13,223	6.1574	81,419
Total Residential	10,669,866		<u>\$ 85,008,771</u>
Commercial:			
Customer Charges	198,100	\$ 22.00	\$ 4,358,200
Winter Volumes	5,156,120	6.8746	35,446,263
Summer Volumes	2,171,402	6.5117	14,139,518
Air-Conditioning Volumes	3,272	6.1118	19,998
Total Commercial	7,330,794		<u>\$ 53,963,979</u>
Industrial:			
Firm Sales:			
Billing Demand	149,571	\$ 14.373	\$ 2,149,784
1st Step Volumes	1,125,061	3.8419	4,322,372
2nd Step Volumes	292,982	3.7644	1,102,901
3rd Step Volumes	6,436	3.5282	22,707
4th Step Volumes	-	3.1739	-
Total Firm Sales	1,424,479		<u>\$ 7,597,765</u>
Interruptible Sales:			
Customer Charges	188	\$ 300.00	\$ 56,400
1st Step Volumes	181,819	4.0235	731,549
2nd Step Volumes	145,325	3.9531	574,484
3rd Step Volumes	107,395	3.7397	401,625
4th Step Volumes	26,799	3.4189	91,623
Total Interruptible Sales	461,338		<u>\$ 1,855,681</u>
Firm Transportation:			
Customer Charges	625	-	-
Billing Demand	127,637	\$ 14.373	\$ 1,834,527
1st Step Volumes	705,168	0.921	649,460
2nd Step Volumes	492,712	0.8435	415,603
3rd Step Volumes	153,975	0.6073	93,509
4th Step Volumes	175,988	0.253	44,525
Total Firm Transportation	1,527,843		<u>\$ 3,037,623</u>
Interruptible Transportation:			
Customer Charges	526	\$ 300.00	\$ 157,800
1st Step Volumes	755,440	0.8326	628,979
2nd Step Volumes	947,900	0.7622	722,489
3rd Step Volumes	1,169,362	0.5488	641,746
4th Step Volumes	3,549,933	0.228	809,385
Total Interruptible Transportation	6,422,635		<u>\$ 2,960,399</u>
Sales For Resale:			
Demand	15,000	\$ 14.373	\$ 215,595
Commodity	31,160	3.6409	113,450
Total Sales For Resale	31,160		<u>\$ 329,045</u>
TOTALS WITHOUT SPECIAL CONTRACTS			<u>\$ 154,753,264</u>
Special Contracts			<u>\$ 889,932</u>
TOTAL PROPOSED REVENUE INCLUDING SPECIAL CONTRACTS			<u>\$ 155,643,196</u>

FILE

COST OF SERVICE STUDY

PIEDMONT NATURAL GAS COMPANY, INC.
 RETURN ON RATE BASE USING EXISTING RATES
 DOCKET NO. 99-

LINE NO	DESCRIPTION	TOTAL NASHVILLE				
		GAS COMPANY	RATE 1	RATE 2	RATE 3 & 7F	RATE 4 & 7I OTHER
1	Operating Revenues -	147,445,502	78,888,657	52,296,230	10,442,660.96	4,659,568.72
2	Other Operating Revenues.....	1,421,045	760,310	504,019	100,643.91	44,907.83
3	TOTAL OPERATING REVENUES.....	148,866,547	79,648,967	52,800,249	10,543,305	4,704,477
						1,158,386
						11,164
						1,169,550
	OPERATING EXPENSES					
4	Cost of Gas.....	71,215,379	38,662,581	25,781,358	5,281,718.16	1,347,518.81
5	Operation & Maintenance.....	31,086,693	20,771,145	7,881,476	1,382,769.92	771,295.39
6	Depreciation Expense.....	14,961,981	11,251,930	2,708,206	368,006.84	395,059.33
7	Taxes Other Than Income.....	6,861,903	4,580,205	1,693,838	295,992.26	195,512.80
8	Income Taxes - State.....	950,250	166,153	567,320	123,872.22	76,944.33
9	Income Taxes - Federal.....	5,210,539	911,075	3,110,807	679,232.89	421,911.55
10	Amortization of Investment Tax Credits	(175,369)	(30,664)	(104,699)	(22,860.67)	(14,200.11)
11	TOTAL OPERATING EXPENSES.....	130,111,376	76,312,426	41,638,305	8,108,731.63	3,194,042.09
						911,883
12	Net Operating Income.....	18,755,171	3,336,542	11,161,944	2,434,573	1,510,434
						257,667
13	Interest on Customer Deposits	(177,757)	(157,124)	(20,633)	0.00	0.00
14	Amortization of Debt Redempt Premium	127,519	91,184	25,947	3,755.26	4,154.97
						2,476
15	Net Operating Income for Return.....	18,704,933	3,270,601	11,167,258	2,438,328	1,514,589
						260,143
16	Rate Base.....	240,603,790	172,046,351	48,957,158	7,085,446.79	7,839,634.72
						4,671,647
17	RETURN ON RATE BASE.....	7.77%	2%	23%	34%	19%
						6%

Exhibit__(CWF-3)

FILE

COST OF SERVICE STUDY

PIEDMONT NATURAL GAS COMPANY, INC.
RETURN ON RATE BASE USING PROPOSED RATES
DOCKET NO. 99-

LINE NO	DESCRIPTION	TOTAL NASHVILLE GAS COMPANY	RATE 1	RATE 2	RATE 3 & 7F	RATE 4 & 7I	OTHER
REVENUES							
1	Operating Revenues -	155,643,195	85,008,771	53,963,979	10,635,387.58	4,816,079.98	1,218,977
2	Other Operating Revenues.....	1,573,007	859,141	545,387	107,486.48	48,673.68	12,320
3	TOTAL OPERATING REVENUES.....	157,216,202	85,867,912	54,509,365	10,742,874	4,864,754	1,231,297
OPERATING EXPENSES							
4	Cost of Gas.....	68,797,080	37,272,033	24,971,016	5,073,801.95	1,347,518.81	132,709
5	Operation & Maintenance.....	31,119,390	20,800,047	7,885,271	1,382,769.92	771,295.39	349,721
6	Depreciation Expense.....	14,961,981	11,251,930	2,708,206	368,006.84	395,059.33	238,779
7	Taxes Other Than Income.....	6,861,903	4,582,391	1,692,275	295,503.32	195,383.52	97,931
8	Income Taxes - State.....	1,594,372	535,374	776,713	163,217.11	97,197.71	18,661
9	Income Taxes - Federal.....	8,742,471	2,935,635	4,258,975	894,973.57	532,967.30	102,325
10	Amortization of Investment Tax Credits	(175,369)	(58,887)	(85,433)	(17,952.66)	(10,691.02)	(2,053)
11	TOTAL OPERATING EXPENSES.....	131,901,828	77,318,524	42,207,024	8,160,320.04	3,328,731.03	938,073
12	Net Operating Income.....	25,314,374	8,549,388	12,302,342	2,582,554	1,536,023	293,224
13	Interest on Customer Deposits	(177,757)	(157,124)	(20,633)	0.00	0.00	0
14	AFUDC	127,519	91,184	25,947	3,755.26	4,154.97	2,476
15	Net Operating Income for Return.....	25,264,136	8,483,447	12,307,656	2,586,309	1,540,178	295,700
16	Rate Base.....	240,603,790	167,065,011	48,020,297	6,993,218.42	7,720,490.67	4,601,624
17	RETURN ON RATE BASE.....	10.50%	5%	26%	37%	20%	6%

Exhibit__ (CWF-4)