ORIGINAL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Purchased Gas Adjustment)	
(PGA) True-up)	DOCKET NO. 980003-GU

DIRECT TESTIMONY OF A. KARA

On Behalf of South Florida Natural Gas Company

Submitted for filing: October 12, 1998

	collected during the period to be \$450,259. This amount includes a refund of
	prior period overcollections in the amount of \$103,176. Therefore, the revenue
	collected to cover the current period's gas cost is estimated to be \$553,435.
Q.	What is the revised true-up amount, including interest estimated for the April
	1998 - December 1998 period?
	Q.

A. The company estimates the revised true-up, including interest, and the transitional true-up of \$34,392, to be an overcollection of \$82,111.

January 1999 - December 1999 Projection

How did you develop your projection of SFNG's cost of gas for the January 1999

- December 1999 period?
A. Our first step was to estimate our supply requirements for each of the twelve months in the period. Our projected supply requirements are based on our projected sales and company use for each month. Once we develop our supply requirements, we can then determine how these requirements will be met. In other words, we match our estimated requirements with the gas supply that is available to us. All of our gas requirements will be met utilizing firm transportation service on FGT for the projected period of January 1999 - December 1999. Due to the complexity of transporting on FGT's system after implementation of FERC Order 636, and the new gas control requirements on all transporters, we have contracted with an energy services firm who furnishes our

gas supply, arranges for transportation of the supply to our system, monitors

1		volumes and adjusts receipts/deliveries as necessary, and makes all nominations
2		and balancing arrangements.
3	Q.	Please describe the general steps or mechanics of projecting the total cost of gas
4		for the January 1999 - December 1999 period.
5	A.	As shown on Schedule E-1 lines 1 - 11, the total cost of gas consists of the cost
6		of no-notice transportation service (NNTS) on FGT, the demand and commodity
7		costs of firm transportation service (FTS) on FGT, and the commodity cost of
8		gas estimated to be paid to our supplier during the period.
9		The cost of NNTS service (line 2) is based on SFNG's contract level with
10		FGT and an estimation of FGT's reservation charge for this service. The
11		reservation charge utilized for the period is the current rate in effect.
12		The demand and commodity portions of transportation system supply are
13		shown on Schedule E-1, lines 1, 4, and 5. The commodity pipeline amount (line
14		1) is based on FGT's current FTS commodity rate multiplied by the number of
15		therms projected to be transported for system supply.
16		The commodity other (line 4) is based on data shown on Schedule E-3
17		which details our projected direct supplier purchases for the twelve-month
18		period. We projected the "FTS" commodity cost on line 4 using a combination
19		of analyses. We analyzed the 1997 and 1998 monthly prices of natural gas
20		delivered to FGT by zone as reported in Inside FERC Gas Market Report. We

also reviewed the recent NYMEX postings for the period November 1998

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through December 1999. We developed our monthly index price of gas using the above data and allowing for seasonal trends and current market pricing. To this index, we added compressor fuel and our supplier's estimated margin for first of the month pricing and swing service.

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The demand component of SFNG's cost of gas (line 5) for the months of January 1999 - December 1999 is calculated by multiplying SFNG's contract level for capacity with FGT by FGT's current FTS demand rate.

- 8 Q. Based on the projected total cost of gas and projected sales, what is the weighted
 9 average cost per therm for the twelve-month period ended December 1999?
- 10 A. This figure is shown on Schedule E-1, line 40, and is 33.564 cents per therm. To

 11 arrive at the total PGA factor, the 33.564 cents per therm is adjusted for the

 12 estimated total true-up through December 1998 (shown on Schedule E-4) and

 13 for revenue-related taxes.
- 14 Q. What is the projected PGA factor for the period January 1999 December 1999?
- 15 A. The projected PGA factor for the period is 30.644 cents per therm.
- Q. The estimated total true-up for the nine months ended December 1998 as calculated on Schedule E-4 is included in the projected PGA factor for the period

 January 1999 December 1999. Please explain how it was calculated.
- A. The final true-up amount for the period April 1997 -March 1998 is added to the estimated end of period net true-up for April 1998 March 1998. The April 1998 December 1998 estimated true-up is based on five months' actual data

plus four months' projected data. Additionally, the true-up is adjusted for the 1 remaining estimated prior period overcollection for March 1998, which will be 2 unrefunded as of December 31, 1998. 3 What is the impact of the total true-up as of December 31, 1998 on the Q. 4 projected PGA factor for the January 1999 - December 1999 period? 5 The projected true-up as of December 31, 1998 is an overrecovery of \$82,111 A. 6 (Schedule E-4). Dividing the overrecovery by the January 1999 - December 7 1999 projected therm sales of 2,705,109 results in a refund of 3.035 cents per 8 therm to be included in the proposed PGA factor. 9 What is the maximum levelized purchased gas factor (cap) that you are proposing Q. 10 for the January 1999 - December 1999 period? 11 The maximum levelized purchased gas factor (cap) that we are proposing for the A. 12 13 period is 30.644 cents per therm. Does this conclude your testimony? 14 Q.

Yes, it does.

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A.

SOUTH FLORIDA NATURAL GAS CO.

JANUARY 1999 - DECEMBER 1999

PURCHASED GAS PROJECTION FILING

EXHIBIT AK-2

COMPANY: SOUTH RO	SOUTH ROBIDA MATURAL GAS CO. DRIGHAL ESTAMIT FOR THE PROJECTED PERSON:		PUSOWSED GAS ADJUSTMENT COST RECOVERY CLAUSE CALCULATION	SED GAS AQUE STY CLAUSE CO JAN 95 T		065 300					DODGET NO. SOUTH PLO	SOUTH FLORIDA WITHOUT AK-1 OF (DODGET NO. 980003-GU SOUTH FLORIDA WITHAN GAS CO MC-1 CF (
						-ARD	PROJECTION				11.			
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S DRAWD		元の	23,288	25.764	20.278	6.817	6.597	6,017	5,817	6.597	10,758	24.00	25,72	57,5001
B MANAGONERI FEE		1,000	901	1000	1000	8	3	9	9	100	900	8	881	12,000
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13 COMPANY USE			0	0	0	0	0	0	0 1	0	0	0	2	2 000
14 TOTAL THERM SALES		127.03	77,750	17534	68249	23.144	1,882	21/8/	51.578	51,070	75,219	10,511	225	XXCX
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19 DEMMO	BRIDGE DETERMINANTS CHLY	082,530	817.400	682,550	27,500	180,730	174 800	180,730	180,730	174,000	8282	8,48	200	20430
20 UPER CAPLACE COMPACT		9	5	9	•	•	9	•	•	•	•	•	•	,
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27 TOTAL THERM SAUES		227,711	250,057	695622	00000	228,100	PSS 122	222.514	221,810	221,147	221/88	224.788	222,455	2,706,109
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30 TITLE COST	(1104)	30 778	37,080	77.16	10 8DH	26.298	26210	26.430	35,35	28,187	37.468	040	43,804	33,554
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	(13/26)	0000	900	0000	0,70	0000	0000	0000	0000	800	0000	0000	0000	0000
	(1127)	39,778	37,083	36.754	22.601	26.288	25.210	26,430	26,338	26.187	37.468	43,443	43.804	11.56
	E-21	3005	SEUT	2005	907	2005	2007	3005	3035	2005	7007	5007	-2008	917
42 TOTAL COST OF GAS	(40+41)	36.743	34.058	20.719	20,500	23.263	23.175	23.38	DE 22	20.00	34.422	40.408	40.788	Section .
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14 TUDY DEPAY SALES	67,449	38,933	28,127	41,123	34,866	59,418	59,563	60,400	00,500				450,258
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15 CONDICOTTY Phonismal BILLING DETISTABLANTS CHLY	211,030	156.250	131,950	137,050	134.540	713,007	214,410	277,622	218,071				1,534,350
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24 COMMUNITY PRINTS (7/21)	88	88	888	000	98	300							
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37 TOTAL COST 1112-0	32 800	28.428	25 500	29.380	25,280	22 164	25,539	36,800	29.200				30.015
NET UNBILLED	27.576	27.877	27.576	27 550	27.574	0000	0000	0000	0000				37.576
COMPANY USE	0000	0000	0000	0000	0000	0000	0000	0000	0000			_	0000
40 TOTAL THERM SALES (11/27)	28,479	31.576	33,190	27.081	27.174	22.164	25,939	36,860	39,290				20.22
	5.3810	5.3810	5.3810	5,3810	5.3810	5,3810	-5.3010	5,3810	-5.3810				3,3980
	23,098	25. 155	27,809	2,78	27,78	16,783	20,558	31,479	20,00			_	33.519
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COMPANY	SOUTH FLORIDA NATURAL GAS CO.	d		D NOTALION OF	CALDIANTON OF TRIES IP AMOUNT	DUNT						DONET NO DODGET NO. 880000-03 SOUTH FLORIDA MATURAL GAS CO.	A WATURAL GO	8
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1 PUR	PURDINGED GAS COST	51,716	100 H	28.216	34,089	27,803	188 pp	4.8	100 M	36.411				375708
2 THAN	THAMSPORTATION COST	17,690	17.7	5,515	6,140	623	2	11.582	30.00	27.28				113,570
3 1014		89,408	44,419	E A	40,239	34.000	47.40	5,618	80.160	18 8				480.677
4 74	ALE REVOKES	67,449	38,833	28,127	41.123	34.566	20,410	28,383	60,400	60,580				60,28
06	DIET OF REVENUE TAXO									•				
STRE	TRUE-UP COLLECTED OR S'ETUNOCO	11,464	1.464	11.464	1.48	1.664	ě.	1.464	1.00	10				101.1/6
6 7.8	FLEE REVIOUE APPLICABLE TO PERCO	78,913	50,387	55.55	22.587	A 130	N. HKZ	20.0	大田に	7204				9
35	LDE 4 (+ or -) LDE 5)		-500000		27.627.677		100000000000000000000000000000000000000	10000000						1
7 TRUE	TRUE UP PROMISON - THIS PERSON	8,507	5.976	5,860	12,348	12,080	225	15,411	8.278	H1887				S di
3	CDE 6 - CDE 33		700	9	0.5					1				
B MTB	INTEREST PROVISION-THIS PERCO C?13	3	8	8	487	8	8	88	ă	ð				4.50
8 (65)	NAMES OF PERCO TRUE-UP AND	117,970	118,553	111,580	106,499	102,001	106,999	12156	128,058	106.948				117,970
MESS	10									-				
TO TRUE	TRUE UP COLLECTED ON SPERMOED	11,464	11,464	11.460	11.464	11.4641	11,480	11,464	11,480	11.00				INCEL AND
200	PROFESS OF UNE SI	•		•	•	•	•	•	•	•				
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100	Charles and the second section	200	300	TOP OF	10,00	10.00	3	20000	2000	į				
MUENCE PROMISON	NO.													
12 853	12 RESPOND TRUE UP AND	117,870	116.553	111,580	106 489	102,521	108,999	121.56	126,056	106.948				117,970
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13 900	BACING TRUE-UP BEFORE	116,013	111,067	105,986	107,373	108,500	121,011	10.48	106,313	81,747				N .
BUIE	MISSIST (12+7-S)		Total Control		- CONTRACTOR	0.000		1	200000	1				***
14 TOTA	TOTAL 112+138	0067022	227,630	217.576	213,863	216,370	230.010	20 E	100 M	97.88				Sec.
15 AMER	MENACE CLON OF 140	116,902	113,810	108,788	106.831	108,185	115.00	122.514	116,185	8,20				10,76
16 MTB	CEREST HATE - PAST	5.550%	5.530%	\$300%	2,800%	5.580%	\$ 520M	5.520M	250	600				
Po	DAY OF MORTH					4000				-				
17 MTB	MICHEST PACE - PRIST	5.530%	2500	\$ 800%	\$ 560%	2520	2530%	5550	2550	250				
8	DAY OF SUBSCOLOUT MONTH									-				
16 TOTA	TOTAL (18+17)	11.080%	11,000%	100	11.180%	11,080%	110408	1000	1000	200				
19 AVE	19 ANDHACE GON OF 155	5.540%	2510	\$ 550%	\$ 580%	250%	25.20	\$550%	1	1				
20 MO	20 MONTHLY AVENACE (19712 Manchal)	0.462%	0.460%	0.463%	0.40578	0.462%	0.460%	0.460%	0.460%	0.480%				
STAR PC	221 BUTTERITY COLUMNIA (15-20)	9	5	5	487	489	200	9	3	ğ				

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COMPANY: SOUTH FLORIDA NATURAL GAS CO.

TRANSPORTATION PURCHASES SYSTEM SUPPLY AND END USE SCHEDULE E-3 EXHIBIT NO_ DOCKET NO. 980003-GU SOUTH FLORIDA NATURAL GAS

AK-1 4 DE G

	ESTIMATED FOR THE P	ROJECTED PERIOD OF:				JAN 99	Through	DEC 99		PAGE TOF C	
MONTH	PURCHASED FROM	PURCHASED FOR	SCH TYPE	SYSTEM SUPPLY	END USE	TOTAL PURCHASED	COMMODITY C THIRD PARTY	PIPELINE	DEMAND	OTHER CHARGES ACA/GRI/FUEL	CENTS PEX THERM
IAN	PENINGULA ENERGY	SYSTEM SUPPLY	FTS-1	227,711	0	227,711	61.323	692	25,784		38.777
ŦB.	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	229,052	0	228,052	56,867	693	23,298		36.329
MAR	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	229,569	0	229,569		698	25,784		35.960
PR	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	230,340	0	230,340	52,706	700	20,278		31.990
MAY	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	228,100	0	228,100	51,256	693	6,817		25.764
UN	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	223,934	0			681	6,597		25.669
u	PENINSULA ENERGY	SYSTEM SUPPLY	FIS-1	222,514	0	222,514		676	6,817		25.890
WG	PENINGULA ENERGY	SYSTEM SUPPLY	FIS-1	221,810	0	221,810		674	6,817		25.796
SEP	PENINSULA ENERGY	SYSTEM SUPPLY	FIS-1	221,147	0	221,147	49,466	672	6,597		25.655
OCT	PENINGULA ENERGY	SYSTEM SUPPLY	FIS-1	221,686	0	221,688		674	10,758		36.935
VOV	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	224,788	0	224,788		683	24,952		42.659
DEC	PENINSULA ENERGY	SYSTEM SUPPLY	FTS-1	225,456	0	225,456	70,466	685	25,784		42.995
TOTAL				2,705,109	0	2,705,109	691,409	8,224	190,273		0 32.897
(1) COST II	ICLUDED IN PIPELINE CON	MODITY									

COMPANY: SOUTH FLORIDA NATURAL GAS CO.

CALCULATION OF TRUE-UP AMOUNT

PROJECTED PERIOD

SCHEDULE E-4

EXHIBIT NO

DOCKET NO. 980003-GU SOUTH FLORIDA NATURAL GAS

ESTIMATED FOR THE PROJECTED PERIOD:

JAN 99

Through DEC 99

PAGE 5 OF 6

	PRIOR PERIOD:	april 97 - M	ARCH 98	CURRENT PERIOD: APRIL 98 - DECEMBER 98		
	(1) EIGHT MONTHS ACTUAL PLUS FOUR MONTHS REVISED ESTIMATE	(2) ACTUAL	(3) (2)-(1) DIFFERENCE	(4) EIGHT MONTHS ACTUAL PLUS FOUR MONTHS REVISED ESTIMATE	(5) (3) + (4) TOTAL TRUE-UP	
1 TOTAL THERM SALES \$ GAS REVENUES	803,249	821,333	18,084	553,435	571,519	
2 True-up provision for this period over (under) collection	15,254	(3,946)	(19,200)	62,758	43,558	
3 INTEREST PROVISION FOR THIS PERIOD	8,089	7,621	(468)	4,628	4,160	
3 (a) TRUE-UP COLLECTED OR (REFUNDED) JAN 99 - MAR 99				34,392	34,392	
4 END OF PERIOD TOTAL NET TRUE-UP	23,343	3,675	(19,668)	101,779	82,111	(1
NOTE: FIVE MONTHS ACTUAL FOUR MON	ITHS REVISED ESTIMATE DATA OBTAI	NED FROM SC	HEDULE (E-2).		OVERRECOVERY	

COLUMN (1 DATA OBTAINED FROM SCHEDULE (E-2)

COLUMN (2 DATA OBTAINED FROM SCHEDULE (A-2)

LINE 4 COLUMN (3) SAME AS LINE 7 SCHEDULE (A-7)

LINE 4 COLUMN (1) SAME AS LINE 8 SCHEDULE (A-7)

LINE 2 COLUMN (4) SAME AS LINE 7 SCHEDULE (E-2)

LINE 3 COLUMN (4) SAME AS LINE 8 SCHEDULE (E-2)

(1) DIFFERENCE FROM SCHEDULE E-2 IS \$70 DIFFERENCE FROM A PRIOR PERIOD

82,111 equals

2,705,109

\$0.03035 PER THERM

TRUE-UP REFUND

COMPANY:

SOUTH FLORIDA NATURAL GAS CO.

ESTIMATED FOR THE PROJECTED PERIOD:

THERM SALES AND CUSTOMER DATA INCLUDES TRANSPORTATION SALES JAN 99 Through

DEC 99

SCHEDULE E-5 EXHERT NO

DOCKET NO. 980003-GU SOUTH FLORIDA NATURAL GAS CO.

AK-1 / CE 6

										Pi	AGE (O CF	φ	
	JAN	FEB	MAR	APR	MAY	JJN	u	AUG	SEP	OCT	NOV	DEC	TOTAL
EFFM SALES (FFFM)												0.991.0000.00	
RESIDENTIAL COMMERCIAL COMMERCIAL LARGE VOL. NOUSTRAL	82,076 145,535	82,417 145,635	83,057 146,512	82,950 147,390	80,710 147,390	78,299 145,635	77,318 145,196	76,614 145,196	75,512 145,635	76,051 145,635	79,153 145,635	79,821 145,635	953,98 1,751,12
TOTAL FIRM	227,711	228,052	229,569	230,340	226,100	223,934	2:2,514	221,810	221,147	221,686	0 224,788	0 225,456	2,705,10
HERM SALES (INTERFLIPTIBLE)													
SMAL NTEFFLPTIELE NTEFFLPTIELE LARGE NTEFFLPTIELE TOTAL NTEFFLPTIELE TOTAL THEFM SALES	0 0 0 227,711	0 0 0 228,052	0 0 0 229,569	0 0 0 230,340	0 0 0 228,100	0 0 0 223,534	0 0 0 222,514	0 0 0 221,810	0 0 0 221,147	0 0 221,586	0 0 0 224,788	0 0 0 225,456	2,705,10
IUMBER OF CUSTOMERS (FIFIM)													
RESIDENTIAL COMMERCIAL COMMERCIAL LARGE VOL. NOUSTRIAL	3,924 344	3,940 344	3,971 346	3,966 348	3,859 348	3,743 344	3,696 343	3,663 343	3,610 344	3,636 344	3,784 344	3,816 344	3,80 34
TOTAL FERM	4,268	4,284	4,317	4,314	4,207	4,087	4,039	4,006	0 3,954	3,980	0 4,128	0 4,180	4,14
IUMBER OF CUSTOMERS (INT.)													
SMALL INTERPLIPTIBLE INTERPLIPTIBLE LARGE INTERPLIPTIBLE TOTAL INTERPLIPTIBLE TOTAL CLISTOMERS	0 0 4,268	0 0 0 4,284	0 0 0 4,317	0 0 0 4,314	0 0 4,207	0 0 0 4,087	0 0 4,039	0 0 4,006	0 0 0 3,954	0 0 3,980	0 0 4,128	0 0 4,160	4,14
HERM LISE PER CLISTOMER													
PESIDENTIAL COMMERCIAL COMMERCIAL LARGE VOL. NOUSTRIAL SMALL INTERPLIPTIBLE INTERPLIPTIBLE LARGE INTERPLIPTIBLE	21 423 0 0 0 0	21 423 0 0 0 0	21 423 0 0 0	21 423 0	\$1 \$23 0 0 0 0	21 423 0 0 0	21 423 0 0 0	21 423 0 0 0	21 423 0 0 0	21 423 0 0 0 0	21 423 0 0 0	21 423 0 0 0 0	25 5,07