### State of Florida

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# ORIGINAL



## Public Service Commission

-M-E-M-O-R-A-N-D-U-M-

DATE: April 25, 2000
TO: Division of Electric and Gas (Bohrmann)
FROM: Division of Auditing and Financial Analysis (Vandiver)
RE: 000001-El; Tampa Electric Company
Audit Report; Fuel - Period Ended December 31, 2000
Audit Control No. 00-021-2-2

Attached is the final audit report for the utility stated above. I am sending the utility a copy of this memo and the audit report. If the utility desires to file a response to the audit report, they should send it to the Division of Records and Reporting. There are no confidential work papers associated with this audit.

DNV/sp

Attachment

cc: Division of Auditing and Financial Analysis (Devlin/Causseaux/Hanvey/File Folder) Tampa District Office (McPherson)

Division of Records and Reporting
 Division of Legal Services
 Research and Regulatory Review (Harvey)

Tampa Electric Company Angela Llewellyn P,. O. Box 111 Tampa, FL 33601-0111

Ausley Law Firm James Beasley/Lee Willis P. O. Box 391 Tallahassee, FL 32302

DOCUMENT NUMBER-DATE



## FLORIDA PUBLIC SERVICE COMMISSION

DIVISION OF AUDITING AND FINANCIAL ANALYSIS BUREAU OF AUDITING

Tampa District Office

### TAMPA ELECTRIC COMPANY

#### **FUEL CLAUSE AUDIT**

#### 12 MONTH ENDED DECEMBER 31, 1999

DOCKET 000001-EI AUDIT CONTROL NO. 00-021-2-2

Simon O. Ojada, Audit Staff Jocelyn Stephens, Audit Manager James A. McPherson, Audit Supervisor

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#### DIVISION OF AUDITING AND FINANCIAL ANALYSIS AUDITOR'S REPORT

#### **APRIL 11, 2000**

#### **TO: FLORIDA PUBLIC SERVICE COMMISSION AND OTHER INTERESTED PARTIES**

We have applied the procedures described later in this report to audit the accompanying Fuel Adjustment Clause exhibits for the historical twelve month period ending December 31, 1999 for Tampa Electric Company. These schedules were prepared by the utility as part of its petition for a Fuel Cost Factor Adjustment in Docket 000001-EI. There is no confidential information associated with this audit and there are no minority opinions.

This is an internal accounting report prepared after performing a limited scope audit. Accordingly, this report should not be relied upon for any purpose except to assist the Commission staff in the performance of their duties. Substantial additional work would have to be performed to satisfy generally accepted auditing standards and produce audited financial statements for public use.

#### SUMMARY OF SIGNIFICANT PROCEDURES

Our audit was performed by examining, on a test basis, certain transactions and account balances which we believe are sufficient to base our opinion. Our examination did not entail a complete review of all financial transactions of the company. Our more important audit procedures are summarized below. The following definitions apply when used in the report:

Scanned - The documents or accounts were read quickly looking for obvious errors.

**Compiled** - The exhibit amounts were reconciled with the general ledger, and accounts were scanned for error or inconsistency.

Verify - The item was tested for accuracy, and substantiating documentation was examined.

**Fuel Revenue**: Compiled general ledger revenue accounts 440.04, 442.04, 442.14, 442.24, 442.34, 442.44, 442.54, 444.03 and 443.05 on a monthly basis for the twelve month period and agreed to the Fuel Adjustment Recovery Filing (FAC). Recomputed fuel revenues using FPSC approved rate factors and company provided KWH sales.

**Fuel Cost of System Net Generation**: Compiled applicable 501, 502, 547, and 548 accounts for recoverable fuel expense on a monthly basis for the twelve month period and agreed to the FAC. Verified judgmentally selected fuel purchases to invoices and agreed to supporting contracts. Recomputed and analyzed Recoverable Fuel Costs for coal, #2 oil, #6 oil and fuel additive. Recomputed Ignition Expense using #2 oil. Recalculated and traced coal inventory adjustments to the general ledger. Verified that the inventory adjustments were used in determination of generating costs. Recalculated amortization of Peabody Coal Buy-out.

**Total Cost of Purchased Power:** Tested the filing schedules A6, A7, A8 and A9 by tracing and/or reconciling judgmentally selected months to original invoices. Verified that Tampa Electric has credited the fuel cost recovery clause with revenues for transmission services and generation-related gains resulting from Schedule C-Economy sales.

**True-up**: Compiled Fuel True-up. Agreed amounts to be collected for prior over-recovery to the amounts authorized by the FPSC. Agreed Generating Performance Incentive Factor (GPIF) to FPSC Order. Verified interest rates used by Utility.

Other : Scanned the minutes of Tampa Electric Board of Director's meetings since the previous audit.

#### AUDIT DISCLOSURE NO. 1

#### SUBJECT: FUEL REVENUES OVERSTATED

#### **STATEMENT OF FACT:**

Tampa Electric Co. bills third parties for Schedule J and Market Based sales. The resulting Sales Revenues offset the company's costs for fuel and O&M expense.

For the period January - December 1999, the company erroneously recorded costs pertaining to recoverable fuel revenues, for Schedule J and Market sales, in the Capacity filing. This entry had the effect of understating Capacity revenues.

Correspondingly, the company recorded these revenues in its fuel filing. This second entry had the effect of recording fuel revenues over and above the amount recorded on the invoice and thereby overstating fuel revenues.

The Company stated that in an effort to capture capacity revenues associated with some sales, excess fuel revenues were recorded for those sales and a corresponding adjustment (hourly charge) to capacity expense was recorded for the same amount. The hourly charges for Market Based transactions booked as capacity that equally offset Transmission, Scheduling fee and Reactive power should have been an offset to fuel revenues in the fuel filing instead of capacity revenues in the capacity filing.

The net amount associated with this error, before the application of the jurisdictional factor, is \$481,123 for both fuel and capacity. Jurisdicational overstatement, per the fuel filing equals \$467,038. Jurisdictional understatement, per the capacity filing equals \$472,444.

The Company agrees that this treatment was not appropriate and since 1/1/2000, no sales have been recorded in the aforementioned manner. However, no adjustment was made to reclass fuel costs from capacity clause to the fuel clause.

#### **AUDIT OPINION:**

The treatment used by company to record fuel cost in the capacity filing results in overstating fuel revenues. The treatment also results in an understatement of capacity revenues. Except for a minimal difference (\$5,406) which results from the application of a jurisdictional factor, ratepayers experienced no adverse monetary effect. No adjustment is recommended.

## COMPARISON OF ESTIMATED AND ACTUAL FUEL AND PURCHASED POWER COST RECOVERY FACTOR TAMPA ELECTRIC COMPANY PERIOD TO DATE THROUGH: DECEMBER, 1999

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SCHEDULE A1

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		S			· •	MWH				cents/KW	H	
	ACTUAL	ESTIMATED	DIFFERENK		ACTUAL	ESTIMATED	DIFFERE	NCE	ACTUAL	ESTIMATED	DIFFERE	NCE
. Fuel Cost of System Net Generation (A3)	332,332,060	370,767,451	(38,435,391)	~ (10.4)	15,835,011	17,949,322	(2,114,312)	(11.8)	2.09672	2.06563	0.03309	
. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	
. Coal Car Investment	ů	0	0	0.0	ō	. 0	ā	0.0	0.00000	0.00000	0,00000	
2. Adj. to Fuel Cost (Ft.Meade/Wauch, Wheeling Losses	*	(36,000)	(10,094)	28.0		a) 17,949,322	a) (2.114.312)	(11.8)	(0.00029)	(0.00020)		4
<ul> <li>Adjustments to Fuel Cost</li> </ul>	(7,289,290)	(00,000)	(7,289,290)	0.0		a) 17,949,322		(11.8)	(0.04603)	0.00000	(0.04603)	
c. Adjustments to Fuel Cost	(5,342)	ő	(5,342)	0.0		a) 17,949,322		(11.8)	(0.00003)	0.00000	(0.00003)	
. TOTAL COST OF GENERATED POWER (Lines 1 through 4c)	324,991,334	370,731,451	(45,740,117)	(12.3)	15,835,011	17,949,322	(2,114,312)	(11.8)	2.05236	2.06543	(0.01307)	
Fuel Cost of Purchased Power - Firm (A7)	56,961,714	19,610,500	37,371,214	190.G	1,511,694	537,382	974,312	181.3	3.76939	3.64927	0,12012	
Energy Cost of Sch C,X Econ, Purch. (Broker) (A9)	(14,294)	1,103,200	(1,117,494)	(101.3)	14	24,265	(24,251)	(99.9)	(102,10000)	4,54647	(106.64647)	(2,34
Energy Cost of Other Econ, Purch. (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	
Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0,00000	0.00000	0.00000	
Capacity Cost of Sch. E Economy Purchases	ā	0	0	0.0	0	0	a) 0	0,0	0.00000	0.00000	0,00000	
Payments to Qualifying Facilities (A8)	9,046,657	8,323,300	723,557	8.7	416,489	415,188	1,301	0.3	2.17217	2.00471	0.16746	-
. TOTAL COST OF PURCHASED POWER (Lines 6 through 11)	66,014,277	29,037,000	36,977,277	127.3	1,928,197	976,835	951,362	97.4	3.42363	2.97256	0.45107	1
TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					17,763,208	18,926,157	(1,162,950)	(6.1)				
i. Fuel Cost of Economy Sales (A6)	419,177	22,131,600	(21,712,423)	(96.1)	23,407	1,179,676	(1,156,269)	(98.0)	1,79082	1.87607	(0.08525)	1
	50,070	5,068,960	(5,038,890)	(99.0)	23,407		a) (1,156,269)	(98.0)	0.21391	0,43139	(0.21748)	C
. Gain on Economy Sales - 80% (A6)	-	4,310,300	(698,542)	(20.8)	216,637	259,111	(42,474)	(16.4)	1,57487	1.66350	(0.08863)	
Fuel Cost of Sch. D Separ, Sales (A6)	3,411,758	1,359,900	(315,109)	(23.2)	65,769	68,424	(2,655)	(3.9)	1.58858	1.98746	(0.39888)	(
Fuel Cost of Sch. D Jurisd, Sales (A6)	1,044,791	1,359,500	(313,109)	0.0	00,709	. 0	(2,000)	0.0	0,00000	0.00000	0.00000	
Fuel Cost of Sch. G Jurisd. Sales (A6)	•	559,200	114,301	20.4	22,169	23,420	(1,251)	(5.3)	3,03803	2.36770	0.65033	
Fuel Cost of Sch. J Jurisd. Sales (A6)	673,501			0.9	275,327	255,600	19,727	7,7	2,21406	2.36373	(0,14967)	
Fuel Cost of HPP Sch. D Separ, Sales (A6)	6,095,898 4,992,567	6,041,700 0	54,198 4,992,567	0.0	172,616	235,000	172,616	0.0	2.89226	0.00000	2,89226	
Fuel Cost of Other Power Sales (A6)		<del></del>	<del></del>						·		·····	-
TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	16,687,762	39,491,660	(22,803,698)	(57.7)	775,927	1,786,231	(1,010,304)	(56.6)	2.15069	2.21069	(0.06020)	
Net Inadvertant Interchange					(487)	· 0. 0	(487) 1,724	0,0 0.0				
, Wheeling Rec'd, less Wheeling Delv'd. . Interchange and Wheeling Losses					1,724 21,900	26,800	(4,900)	(18.3)				
				3.9	16,966,618	17,113,126	(146,509)	(0.9)	2,20620	2,10527	0,10093	
TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	374,317,849	360,276,791	14,041,058	3.9 887==222		21221813232			**********	*******	********	
Net Unbilled	2,513,129 (	a) 514,806	(a) 1,998,323	366.2	117,839	24,333	93,506	364.3	0.01565	0.00317	0.01248	3
Company Use	1,039,127 (	a) 952,052	(a) 87,075	9.1	48,724	45,000	3,724	6.3	0.00647	0.00586	0,00061	
T & D Losses	15,816,104 (	a) 16,732,496	(a) (916,392)	(5.5)	741,607	790,884	(49,277)	(6.2)	0.09849	0.10295	(0.00446)	
System KWH Sales	374,317,649	360,278,791	14,041,058	3.9	16,058,448	16,252,909	(194,462)	(1.2)	2,33097	2.21669	0,11428	
Wholesale KWH Sales	(10,603,344)	(5,925,472)	(4,677,672)	78.9	(439,411)	(262,806)	(176,605)	67.2	2,41308	2.25469	0.15839	
, Jurisdictional KWH Sales , Jurisdictional Loss Multiplier • 1,00068	363,714,505	354,351,319	9,363,186	2.6	15,619,037	15,990,103	(371,067)	(2.3)	2.32856	2.21607	0.11259	
Jurisdictional KWH Sales Adjusted for Line Losses	363,961,831	354,592,279	9,369,552	2.6	15,619,037	15,990,103	(371,067)	(2.3)	2.33025	2.21757	0,11268	2223
					15.619.037	*********	C3C2327#¥C8 8	******	0.02938	0.02899	0.00039	
, Peabody Coal Contract Buy-Out Amort, Jurisd.	4,588,420	4,635,960	(47,540)	(1.0)								
a. Fuel Credit Differential • FMPA Sale	0	<b>'</b> 0	0	0.0	15,619,037	15,990,103	(371,067)	(2.3)	0,00000	0.00000	0.00000	
b. Oil Below the Discharge Valve	0	0	0	0.0	15,619,037	15,990,103	(371,067)	(2.3)	0.00000	0.00000	0.00000	
. Twe-up *	(5,261,112)	(5,261,112)	0	0.0	15,619,037	15,990,103	(371,067)	(2.3)	(0,03366)	(0.03290)	(0.00078)	
Tobi Jurisdictional Fuel Cost (Excl. GPIF)	363,289,139	353,967,127	9,322,012	2.6	15,619,037	15,990,103	(371,067)	(2.3)	2.32594	2.21366	0.11228	
Revenue Tax Factor			-,						1,00072	1.00072	0.00000	
Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.32761	2.21525	0.11236	
). GPIF * (Akeady Adjusted for Taxes)	(188,145)	(188,145)	0	0,0	15,619,037	15,990,103	(371,067)	(2.3)	(0.00120)			
1. Fuel Cost Adjusted for Taxes (Incl. GPIF)	363,100,994	353,778,982	9,322,012	2,6	15,619,037	15,990,103	(371,067)	(2,3)	2.32641	2.21407	0.11234	

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		A ELECTRIC CO			SION SCHEDULE A2 PAGE 1 OF 3					
		MONTH OF: DECEMBER CURRENT MONTH		1999		PERIOD TO D	ATE			
	ACTUAL	ESTIMATED	DIFFERENCE	%	ACTUAL	ESTIMATED	DIFFERENCE	%		
A. FUEL COST & NET POWER TRANSACTION										
1. FUEL COST OF SYSTEM NET GENERATION	30,229,147	28,057,017	2,172,130	7.7	332,332,060	370,767,451	(38,435,391)	(10.4)		
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0		
2. FUEL COST OF POWER SOLD *	1,303,490	2,356,660	(1,053,170)	(44.7)	16,687,762	39,491,660	(22,803,898)	(57.7)		
3. FUEL COST OF PURCHASED POWER	1,305,768	619,200	686,568	110.9	56,981,714	19,610,500	37,371,214	190.6		
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0		
<b>b. PAYMENT TO QUALIFIED FACILITIES</b>	707,808	634,600	73,208	11.5	9,046,857	8,323,300	723,557	8.7		
4. ENERGY COST OF ECONOMY PURCHASES	0	24,700	(24,700)	0.0	(14,294)	1,103,200	(1,117,494)	(101.3)		
5. TOTAL FUEL & NET POWER TRANSACTION	30,939,233	26,978,857	3,960,376	14.7	381,658,575	360,312,791	21,345,784	5.9		
6a. ADJUSTMENTS TO FUEL COST (FT. MEADE/WAUCHULA WHEELING LOSSES)	(3,283)	(3,000)	(283)	9.4	(46,094)	(36,000)	(10,094)	28.0		
6b. ADJUSTMENTS TO FUEL COST	(615,876)	0	(615,876)	0.0	(7,289,290)	0	(7,289,290)	0.0		
6c. ADJ.TO FUEL COST	(197)	0	(197)	0.0	(5,342)	0	(5,342)	0.0		
7. ADJUSTED TOTAL FUEL & NET PWR.TRANS.	30,319,877	26,975,857	3,344,020	12.4	374,317,849	360,276,791	14,041,058	3.9		
* INCLUDES ECONOMY SALES PROFITS (80%)										
B. MWH SALES							_			
1. JURISDICTIONAL SALES	1,162,749	1,235,540	(72,791)	(5.9)	15,619,037	15,990,103	(371,066)	(2.3)		
2. NONJURISDICTIONAL SALES	28,050	10,728	17,322	161.5	439,411	262,806	176,605	67.2		
3. TOTAL SALES	1,190,799	1,246,268	(55,469)	(4.5)	16,058,448	16,252,909	(194,461)	(1.2)		
4. JURISDIC. SALES-% TOTAL MWH SALES	0.9764444	0.9913919	(0.0149475)	(1.5)	0.9726368	0.9838302	(0.0111934)	(1.1)		

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		ILATION OF TRUE-UP AND INTEREST PROVISION TAMPA ELECTRIC COMPANY MONTH OF: DECEMBER 1999 CURRENT MONTH				PERIOD TO D	SCHEDULE PAGE 2 OF		
C. TRUE-UP CALCULATION	ACTUAL	ESTIMATED	DIFFERENCE	%	ACTUAL	ESTIMATED	DIFFERENCE	%	
1. JURISDICTIONAL FUEL REVENUE	25,456,746	27,313,334	(1,8\$6,588)	(6.8)	342,801,248	353,708,332	(10,907,084)	(3.1)	
2. FUEL ADJUSTMENT NOT APPLICABLE	0	o	0	0.0	0	0	0	0.0	
a. TRUE-UP PROVISION	438,426	438,426	0	0.0	5,261,112	5,261,112	C	0.0	
b. INCENTIVE PROVISION	15,676	15,676	0	0.0	188,145	188,145	0	0.0	
c. TRANSITION ADJUSTMENT	0	0	0	0.0	0	0	Q	0.0	
d. OTHER ADJUSTMENT	0	0	0	0.0	0	0	0	0.0	
3. JURIS, FUEL REVENUE APPL, TO PERIOD	25,910.848	27,767,436	(1,856,588)	(6.7)	348,250,505	359,157,589	(10,907,084)	(3.0)	
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	30,319,877	26 <b>,97</b> 5,857	3,344,020	12.4	374,317,849	360,276,791	14,041,058	3.9	
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B-4)	0.9764444	0,9913919	(0.0149475)	(1.5)	NA	NA	-	-	
6. JURISDIC. TOTAL FUEL & NET PWR.TRANS.	29,605,674	26,743,646	2,862,028	10.7	363,714,505	354,351,316	9,363,189	2.6	
6A.JURISDIC, LOSS MULTIPLIER 6B. (LINE 6 x LINE 6A) 6C.PEABODY COAL CONTR, BUY-OUT AMORT, 6D.(LINE 6C x LINE 5) PB, JURISD.	1.00068 29,625,806 378,497 369,581	1,00068 26,761,832 378,497 375,239	0.0000 2,863,974 0 (5,658)	0.0 10.7 0.0 (1.5)	NA 363,961,831 4,712,003 4,588,420	NA 354,592,276 4,709,003 4,635,960	- 9,369,555 3,000 (47,540)	2.6 0.1 (1.0)	
6E.OTHER (SPARE INPUT #1)	0.	. 0	0	0.0	0	0	0	0.0	
6F. OIL BELOW THE DISCHARGE VALVE 6G. OTHER (SPARE INPUT #2)	0 0	0 0	0	0.0 0.0	0 0	0 0	0	0.0 0.0	
6H. JURISDIC, TOTAL FUEL & NET PWR INCL, ALL ADJ.(LNS, 6B+6D+6E+6F+6G) 7. TRUE-UP PROV, FOR MO, +/- COLLECTED	29,995,387	27,137,071	2,858,316	10.5	368,550,251	359,228,236	9,322,015	2.6	
(LINE C-3 - LINE C-6H)	(4,084,539)	630,365	(4,714,904)	(748.0)	(20,299,746)	(70,647)	(20,229,099)	28,634.1	
8. INTEREST PROVISION FOR THE MONTH	(46,600 <u>)</u>	(363)	(46.237)	12,737.5	90,268	87,002	3,266	3.8	
9. TRUE-UP & INT, PROV. BEG. OF MONTH	(7,813,392)	(228,634)	(7,584,758)	3,317.4	NOT APPLIC	ABLE			
9a.DEFERRED TRUE-UP BEGINNING OF PERIO	53,414	53,414	0	0.0	NOT APPLIC	ABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(438,426)	(438,426)	0	0.0	NOT APPLIC	ABLE			
11. END OF PERIOD TOTAL NET TRUE-UP	(12,329,543)	16,356	(12,345,899)	(75,482.4)	NOT APPLIC	ABLE			

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		N OF TRUE-U ELECTRIC CI MONTH OF: 1		ST PROVISI	ON .	SCHEDULE A2 PAGE 3 OF 3				
		CURRENT M			PERIOD TO D	ATE				
	ACTUAL	ESTIMATED	DIFFERENCE	: %	ACTUAL ESTIMATED	DIFFERENCE AMOUNT %	٠			
D. INTEREST PROVISION				!						
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	(7,759,978)	(175,220)	(7,584,758)	4,328.7	NOT APPLICABLE					
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	(12,282,943)	16,719	(12,299,662)	(73,567.0)	NOT APPLICABLE					
3. TOTAL BEG. & END. TRUE-UP AMOUNT	(20,042,920)	(158,501)	(19,884,419)	12,545.3	NOT APPLICABLE					
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	(10,021,460)	(79,251)	(9,942,210)	12,545.3	NOT APPLICABLE					
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.550	. 5.500	0.050	0.9	NOT APPLICABLE					
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.600	5.500	0.100	1.8	NOT APPLICABLE	9				
7. TOTAL (LINE D-5 + LINE D-6)	11,150	11.000	0.150	1.4	NOT APPLICABLE	-				
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.575	5.500	0.075	1.4	NOT APPLICABLE					
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.465	0.458	0.007	1.5	NOT APPLICABLE					
10. INT. PROVISION (LINE D-4 x LINE D-9)	(46,600)	(363)	(46,237)	12,737.5	NOT APPLICABLE					

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