

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

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

DATE: May 6, 2016
TO: Office of Commission Clerk
FROM: Lynn M. Deamer, Chief of Auditing, Office of Auditing and Performance Analysis
RE: Docket No.: 160001-EI
Company Name: Duke Energy Florida, Inc.
Company Code: EI801
Audit Purpose: Fuel Cost Recovery Clause
Audit Control No: 16-020-2-1

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, it should send a response to the Office of Commission Clerk. There is no confidential work papers associated with this audit.

LMD/cm

Attachment: Audit Report

cc: Office of Auditing and Performance Analysis File

State of Florida



Public Service Commission

Office of Auditing and Performance Analysis
Bureau of Auditing
Tampa District Office

Auditor's Report

Duke Energy Florida, Inc.
Fuel and Purchased Power Cost Recovery Clause

Twelve Months Ended December 31, 2015

Docket No. 160001-EI
Audit Control No. 16-020-2-1
April 25, 2016

A blue ink signature of Tomer Kopelovich.

Tomer Kopelovich
Audit Manager

A black ink signature of Linda Hill.

Linda Hill
Reviewer

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 1: True-Up6

Purpose

To: Florida Public Service Commission

We have performed the procedures described later in this report to meet the objectives set forth by the Division of Accounting and Finance in its audit service request dated January 20, 2016. We have applied these procedures to the attached summary exhibits and to several related schedules prepared by Duke Energy Florida, Inc. in support of its 2015 filing for the Fuel and Purchased Power Cost Recovery Clause in Docket No.160001-EI.

This audit was performed following General Standards and Fieldwork Standards found in the AICPA Statements on Standards for Attestation Engagements. The report is intended only for internal Commission use.

Objectives and Procedures

General

Definitions

Utility refers to Duke Energy Florida, Inc.

FAC refers to the Fuel and Purchased Power Cost Recovery Clause.

Revenue

Objectives: The objectives were to determine the actual Kilowatt Hours (KWH) sold for the 12-month period December 31, 2015, and whether the Utility applied the Commission approved cost recovery factor to actual KWH sales for the FAC.

Procedures: We reconciled the fuel revenues reported in the 2015 FAC Filing to the Utility's monthly revenue reports and the general ledger. We recalculated 2015 fuel revenues using the KWH sold in the Utility's monthly revenue reports and the fuel factors authorized in the Utility's last FAC proceeding. No exceptions were noted.

Expenses

Objectives: The objectives were to review the expenses which the Utility has included in the FAC and determine whether those expenses were properly recoverable as required in Order No. 14546, issued July 8, 1985.

Procedures: We reviewed and sampled fuel expenses reported on supporting Schedules A-1 and A-2 and other supporting documentation to determine that the fuel expense included in the FAC Filing complied with the requirements set forth in Order No. 14546. No exceptions were noted.

Objective: The objective was to determine whether generation-related gains derived from non-separated wholesale energy sales were credited to the FAC Filing as set forth in Order No. PSC-00-1744-PAA-EI, issued September 26, 2000.

Procedure: We calculated generation related gains from FAC Schedule A-6 to ensure the Utility complied with the Commission Order. No exceptions were noted.

Objective: The objective was to determine whether energy payments to qualifying facilities in Schedule A-8 are based on the appropriate standard offer or negotiated contract rate.

Procedures: We prepared a schedule accumulating total monthly KWH and total monthly fuel purchases for 2015 as reflected on FAC Schedule A-8 – Energy Payments to Qualifying Facilities. We traced all transactions on Schedule A-8 for the month of May to invoices and supporting documentation. No exceptions were noted.

Objectives: The objectives were to determine whether the amounts of gas storage expense recovered through the FAC for the gas storage facility for 2015 were calculated correctly and payments were made in accordance with the applicable contracts.

Procedures: We prepared a schedule for natural gas transportation and storage expense for 2015. We traced a sample of the transportation and storage expenses in the FAC Filing to supporting invoices and vendor contracts. No exceptions were noted.

Inventory

Objective: The objective was to determine whether adjustments made to coal inventory due to the semi-annual coal inventory survey have been recorded as set forth in Order No. PSC-97-0359-FOF-EI, issued March 31, 1997.

Procedure: We reviewed all documentation that supports the Utility's aerial survey calculations and recorded adjustments to coal inventory balances to determine compliance with the requirements of Order No. PSC-97-0359-FOF-EI. No exceptions were noted.

Other

Objectives: The objectives were to review and verify payments made under the new waterborne and rail transportation contracts.

Procedures: We reviewed the waterborne and rail coal transportation contracts. We traced the contract rates to our sample of the Utility's coal fuel expense and reconciled the contract rates to the invoices selected in our sample. No exceptions were noted.

Objective: The objective was to determine whether vendor rebates and refunds were credited by the Utility to its recoverable fuel costs.

Procedures: We obtained a summary of all 2015 refunds and demurrages. We traced all refunds and demurrages to the Fuel Ledger for correct disposition. No exceptions were noted.

Objectives: The objectives were to reconcile service hours, reserve shutdown hours, and unavailable hours for the Generating Performance Factor (GPIF) units as shown on the annual GPIF Filing with source documents and trace the differences to source documents.

Procedures: We obtained the Actual Unit Performance Data Forms for January – December 2015 from the GPIF Filing. We reconciled service hours, reserve shutdown hours and unavailable hours to the GPIF Filing using the Generating Data System for Bartow, Crystal River 4 and 5, Hines 1, 2, 3, and 4. No exceptions were noted.

Objective: The objective was to reconcile the monthly coal and oil purchases reflected on Florida Public Service Commission (FPSC) Form 423 with the Schedule A-5, general ledger, vendor contract and source documentation.

Procedures: We reconciled the FPSC Form 423 for 2015 to the supporting Schedule A-5 of the Utility's FAC Filing. We reconciled the volumes, invoice price and transportation charges reflected on Form 423 to the supporting documentation obtained in conjunction with our sample of coal and oil fuel expense. No exceptions were noted.

True-Up

Objective: The objective was to determine whether the Utility's True-Up and Interest Provision as filed on FAC Schedule A-2 was properly calculated.

Procedures: We traced the December 31, 2014, True-Up Provision to the Commission Order. We recalculated the True-Up and Interest Provision amounts as of December 31, 2015, using the Commission approved beginning balance as of December 31, 2014, the Financial Commercial Paper rates, and the 2015 FAC revenues and costs. No exceptions were noted.

Analytical Review

Objective: The objective was to perform an analytical review of the Utility's FAC revenues and expenses to determine whether there were any material changes or inconsistencies in 2015 from previous years.

Procedure: We compared 2015 revenues and expenses to 2014 and 2013. No differences requiring follow-up investigation were noted.

Audit Findings

None

Exhibit

Exhibit 1: True-Up

**DUKE ENERGY FLORIDA
CALCULATION OF TRUE-UP AND INTEREST PROVISION
DECEMBER 2015**

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
A. FUEL COSTS AND NET POWER TRANSACTIONS								
1. FUEL COST OF SYSTEM NET GENERATION	\$87,562,430	108,082,070	(\$20,519,640)	(19.0)	\$1,348,576,285	\$1,450,550,393	(\$101,974,108)	(7.0)
1a. NUCLEAR FUEL DISPOSAL COST	-	0	0	0.0	0	0	0	0.0
1b. NUCLEAR DECOMMISSIONING AND DECONTAMINATION	-	0	0	0.0	0	0	0	0.0
1c. COAL CAR INVESTMENT	-	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD	(90,419)	(136,796)	46,377	(33.9)	(5,814,591)	(4,199,152)	(1,615,439)	38.5
2a. GAIN ON POWER SALES	(16,928)	(30,095)	13,167	(43.8)	(3,324,492)	(923,813)	(2,400,679)	259.9
3. FUEL COST OF PURCHASED POWER	7,720,621	3,736,315	3,984,306	106.6	173,229,452	101,841,738	71,387,714	70.1
3a. ENERGY PAYMENTS TO QUALIFYING FACILITIES	10,642,495	12,643,543	(2,001,048)	(15.8)	117,723,823	145,142,888	(27,418,865)	(18.9)
3b. DEMAND & NON FUEL COST OF PURCH POWER	0	0	0	0.0	0	0	0	0.0
4. ENERGY COST OF ECONOMY PURCHASES	101,778	844,380	(542,602)	(84.2)	5,379,013	16,351,874	(10,972,861)	(67.1)
5. TOTAL FUEL & NET POWER TRANSACTIONS	105,919,976	124,939,417	(19,019,441)	(15.2)	1,635,769,489	1,708,763,728	(72,994,239)	(4.3)
6. ADJUSTMENTS TO FUEL COST:								
6a. FUEL COST OF STRATIFIED SALES	(413,873)	(1,089,118)	675,245	(62.0)	(29,549,697)	(21,800,391)	(7,749,306)	35.6
6b. OTHER- JURISDICTIONAL ADJUSTMENTS (see detail below)	(18,543)	(3,360,069)	3,341,526	(99.5)	1,852,721	(40,353,675)	42,206,396	(104.8)
6c. OTHER - PRIOR PERIOD ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR TRNS	\$105,487,560	\$120,490,230	(\$15,002,670)	(12.5)	\$1,608,072,513	\$1,646,609,662	(\$38,537,149)	(2.3)
FOOTNOTE: DETAIL OF LINE 6b ABOVE								
INSPECTION & FUEL ANALYSIS REPORTS (Wholesale Portion)	\$0	\$0	\$0		\$0	\$0	\$0	
N/A - Not used	0	0	0		0	0	0	
UNIVERSITY OF FLORIDA STEAM REVENUE ALLOCATION (Wholesale Portion)	650	0	650		10,980	0	10,980	
N/A - Not used	0	0	0		0	0	0	
TANK BOTTOM ADJUSTMENT	0	0	0		6,981	0	6,981	
AERIAL SURVEY ADJUSTMENT (Coal Pile)	0	0	0		2,182,992	0	2,182,992	
RRSSA Refund	0	(3,346,478)	3,346,478		0	(40,190,452)	40,190,452	
Interest Amortized for Fuel Refund	(15,576)	(13,591)	(1,986)		(187,418)	(163,223)	(24,195)	
Gain/Loss on Disposition of Oil	0	0	0		(125,114)	0	(125,114)	
N/A - Not used	0	0	0		0	0	0	
NET METER SETTLEMENT	0	0	0		0	0	0	
Barlow Outage Replacement Power	0	0	0		0	0	0	
Demetris Collateral Interest	(3,616)	0	(3,616)		(35,701)	0	(35,701)	
N/A - Not used	0	0	0		0	0	0	
SUBTOTAL LINE 6b SHOWN ABOVE	(\$18,543)	(\$3,360,069)	\$3,341,526		\$1,852,721	(\$40,353,675)	\$42,206,396	
B. KWH SALES								
1. JURISDICTIONAL SALES	2,856,240,057	2,768,239,922	88,000,135	3.2	38,553,163,288	37,785,590,394	767,592,894	2.0
2. NON JURISDICTIONAL (WHOLESALE) SALES	18,555,478	15,140,000	3,415,478	22.6	358,127,542	239,422,000	118,705,542	49.6
3. TOTAL SALES	2,874,795,535	2,783,379,922	91,415,613	3.3	38,911,310,830	38,025,012,394	886,298,436	2.3
4. JURISDICTIONAL SALES % OF TOTAL SALES	99.35	99.46	(0.11)	(0.1)	99.08	99.37	(0.29)	(0.3)

Exhibit 1 (cont'd)

DUKE ENERGY FLORIDA CALCULATION OF TRUE-UP AND INTEREST PROVISION DECEMBER 2015

	CURRENT MONTH				YEAR TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT	ACTUAL	ESTIMATED	DIFFERENCE	PERCENT
C. TRUE UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	\$125,316,286	\$125,617,437	(\$301,151)	(0.2)	\$1,763,506,241	\$1,714,637,871	\$48,868,370	2.9
2 ADJUSTMENTS:	3,333,333	0	3,333,333	0.0	40,000,000	0	40,000,000	0.0
2a. REFUND OF \$30 MILLION PER RRSSA	833,333	0	833,333	0.0	10,000,000	0	10,000,000	0.0
2b. INCREASE IN RETAIL FUEL RATE PER RRSSA	(2,856,240)	0	(2,856,240)	0.0	(38,553,183)	0	(38,553,183)	0.0
2c. TRUE UP PROVISION	(6,139,350)	(6,139,353)	3	0.0	(73,672,203)	(73,672,203)	0	0.0
2d. INCENTIVE PROVISION	(185,988)	(185,985)	(3)	0.0	(2,231,853)	(2,231,853)	0	0.0
2e. OTHER: MARKET PRICE TRUE UP	0	0	0	0.0	0	0	0	0.0
3. TOTAL JURISDICTIONAL FUEL REVENUE	120,301,375	119,292,099	1,009,276	0.9	1,699,049,002	1,638,733,815	60,315,187	3.7
4. ADJ TOTAL FUEL & NET PWR TRNS (LINE A7)	105,487,560	120,490,230	(15,002,670)	(12.5)	1,608,072,513	1,646,609,662	(38,537,149)	(2.3)
5. JURISDICTIONAL SALES % OF TOT SALES (LINE B4)	99.35	99.46	(0.11)	(0.1)	99.08	99.37	(0.29)	(0.3)
6. JURISDICTIONAL FUEL & NET POWER TRANSACTIONS (LINE C4 * LINE C5 * 1.00052 LOSS MULTIPLIER)	104,856,388	120,016,945	(15,160,557)	(12.6)	1,594,108,572	1,638,735,421	(44,626,849)	(2.7)
7. TRUE UP PROVISION FOR THE MONTH OVER(UNDER) COLLECTION (LINE C3 - C6)	15,444,986	(724,847)	16,169,833	(2,230.8)	104,940,430	(1,606)	104,942,036	(6,535,276.7)
8. INTEREST PROVISION FOR THE MONTH (LINE D10)	24,322	(135)	24,456	(18,155.7)	17,682	(30,576)	48,258	(157.8)
9. TRUE UP & INTEREST PROVISION BEG OF MONTH/PERIOD	94,954,422	(5,446,554)	100,400,975	(1,843.4)	(62,067,235)	(73,672,203)	11,604,968	(15.8)
10. TRUE UP COLLECTED (REFUNDED)	6,139,350	6,139,353	(3)	0.0	73,672,203	73,672,203	0	0.0
11. END OF PERIOD TOTAL NET TRUE UP (LINES C7 + C8 + C9 + C10)	116,563,080	(32,182)	116,595,262	(362,298.7)	116,563,080	(32,182)	116,595,262	(362,298.7)
12. OTHER:	0				0		0	
13. END OF PERIOD TOTAL NET TRUE UP (LINES C11 + C12)	\$116,563,080	(32,182)	116,595,262	(362,298.7)	\$116,563,080	(32,182)	116,595,262	(362,298.7)
D. INTEREST PROVISION								
1. BEGINNING TRUE UP (LINE C9)	\$94,954,422	N/A	--	--				
2. ENDING TRUE UP (LINES C7 + C9 + C10 + C12)	116,538,758	N/A	--	--				
3. TOTAL OF BEGINNING & ENDING TRUE UP	211,493,180	N/A	--	--				
4. AVERAGE TRUE UP (50% OF LINE D3)	105,746,590	N/A	--	--				
5. INTEREST RATE - FIRST DAY OF REPORTING MONTH	0.150	N/A	--	--				
6. INTEREST RATE - FIRST DAY OF SUBSEQUENT MONTH	0.400	N/A	--	--				
7. TOTAL (LINE D5 + LINE D6)	0.550	N/A	--	--				
8. AVERAGE INTEREST RATE (50% OF LINE D7)	0.275	N/A	--	--				
9. MONTHLY AVERAGE INTEREST RATE (LINE D8/12)	0.023	N/A	--	--				
10. INTEREST PROVISION (LINE D4 * LINE D9)	\$24,322	N/A	--	--				