

Docket No. 160001-EI  
Tampa Electric Company  
Fuel and Purchased Power Cost Recovery Clause  
Hedging Activities

**Witness: Direct Testimony of INTESAR TERKAWI**  
Appearing on Behalf of the Staff of the Florida Public Service Commission

**Date Filed:** September 23, 2016

1                                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2   **COMMISSION STAFF**

3   **DIRECT TESTIMONY OF INTESAR TERKAWI**

4   **DOCKET NO. 160001-EI**

5   **September 23, 2016**

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7   **Q.     Please state your name and business address.**

8   A.     My name is Intesar Terkawi. My business address is 1313 N. Tampa Street, Suite 220,  
9   Tampa, Florida 33602.

10 **Q.     By whom are you presently employed and in what capacity?**

11 A.     I am employed by the Florida Public Service Commission (FPSC or Commission) as a  
12 Public Utility Analyst in the Office of Auditing and Performance Analysis. I have been  
13 employed by the Commission since October 2001.

14 **Q.     Briefly review your educational and professional background.**

15 A.     In 1995, I received a Master Degree of Arts with a major in Communications from the  
16 University of Central Florida. In 2001, I received a Bachelor of Science Degree from the  
17 University of Central Florida with a major in accounting. I am also a Certified Public  
18 Accountant and an Enrolled Tax Agent.

19 **Q.     Please describe your current responsibilities.**

20 A.     My responsibilities consist of planning and conducting utility audits of manual and  
21 automated accounting systems for historical and forecasted data.

22 **Q.     Have you previously presented testimony before this Commission?**

23 A.     Yes. I filed testimony in the Fuel and Purchased Power Cost Recovery Clause, Docket  
24 Nos. 140001-EI and 150001-EI.

25 **Q.     What is the purpose of your testimony today?**

1 A. The purpose of my testimony is to sponsor the staff audit report of Tampa Electric  
2 Company (TECO or Utility) which addresses the Utility's filing in Docket No. 160001-EI,  
3 Fuel and Purchased Power Cost Recovery Clause, for costs associated with its hedging  
4 activities. We issued an audit report in this docket for the hedging activities on September 16,  
5 2016. This audit report is filed with my testimony and is identified as Exhibit (IT-1).

6 **Q. Was this audit prepared by you or under your direction?**

7 A. Yes, it was prepared under my direction.

8 **Q. Please describe the work performed in this audit.**

9 A. I have separated the audit work into several categories.

10 Accounting Treatment

11 I reviewed TECO's supporting detail of the hedging settlements for the twelve months  
12 ended July 31, 2016. I traced the transactions to the general ledger and trade confirmation  
13 documents. I verified that the hedging settlements were in compliance with the Risk  
14 Management Plan and verified that the accounting treatment for hedging transactions and  
15 transactions costs are consistent with Commission orders relating to hedging activities. No  
16 exceptions were noted.

17 Gains and Losses

18 I traced the monthly balances of hedging transactions from TECO's Hedging  
19 Information Report to its Mark to Market Position Report for the period August 1, 2015, to  
20 July 31, 2016. I selected all gas hedging transactions for September and October 2015 and  
21 traced them from the Mark to Market Position Report to the third-party confirmation notices  
22 and contracts. I traced a sample of the purchase prices to the Gas Daily – NYMEX Henry  
23 Hub gas futures contract rates. I traced the related settlements prices to the Gas Daily –  
24 NYMEX Henry Hub gas futures contract rate. I recalculated the gains and losses and traced  
25 them to the Utility's journal entries for realized gains and losses. No exceptions were

1 | noted.

2 | Hedged Volume and Limits

3 | I reviewed the quantity limits and authorizations. I also obtained TECO's analysis of  
4 | the monthly percent of fuel hedged in relation to fuel burned for the twelve months ended July  
5 | 31, 2016, and compared them with the Utility's Risk Management Plan. There were variances  
6 | for 11 of the 12 months between the percentages of actual and projected natural gas burned  
7 | that were hedged. No further work was done.

8 | Separation of Duties

9 | I reviewed TECO's written procedures for separation of duties related to hedging  
10 | activities. There were no internal or external audits related to hedging activities. No  
11 | exceptions were noted.

12 | **Q. Please review the audit findings in this audit report.**

13 | **A.** There were no findings in this audit related to hedging activities.

14 | **Q. Does this conclude your testimony?**

15 | **A.** Yes.

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State of Florida



**Public Service Commission**

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

**Auditor's Report**

Tampa Electric Company  
Hedging Activities

**Twelve Months Ended July 31, 2016**

Docket No. 160001-EI  
Audit Control No. 16-068-2-2  
**September 12, 2016**

Handwritten signature of Intesar Terkawi in black ink.

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Intesar Terkawi  
Audit Manager

Handwritten signature of Linda Hill in blue ink.

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Linda Hill  
Reviewer

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## Purpose

To: Florida Public Service Commission

We 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 February 26, 2016. We applied these procedures to the schedules prepared by Tampa Electric Company in support of its filing for hedging activities in Docket No. 160001-EI for the twelve months ended July 31, 2016.

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**

#### Definition

TECO or Utility refers to the Tampa Electric Company.

### **Accounting Treatment**

**Objective:** The objective was to determine whether the accounting treatment for futures, options, and swap contracts between TECO and its counterparties is consistent with Commission Order No. PSC-02-1484-FOF-EI, issued October 30, 2002, in Docket No. 011605-EI, and as clarified by Order No. PSC-08-0316-PAA-EI, issued May 14, 2008, and Order No. PSC-08-0667-PAA-EI, issued October 8, 2008, in Docket No. 080001-EI.

**Procedures:** We obtained TECO's supporting detail of the hedging settlements for the 12 months ended July 31, 2016. The support documentation was traced to the general ledger transaction detail. We verified that the hedging settlements were in compliance with the Risk Management Plan and that the accounting treatment for hedging transactions and transactions costs are consistent with Commission orders relating to hedging activities. No exceptions were noted.

### **Gains and Losses**

**Objective:** The objective was to determine whether the gains and losses associated with each financial hedging instrument that TECO implemented are in compliance with Commission Order Numbers PSC-02-1484-FOF-EI, PSC-08-0316-PAA-EI, and PSC-08-0667-PAA-EI, relating to hedging activities.

**Procedures:** We traced the monthly balances of hedging transactions from TECO's Hedging Information Report to its Mark to Market Position Report for the period August 1, 2015, to July 31, 2016. We selected all gas hedging transactions from September and October 2015 and traced them from the Mark to Market Position Report to the third-party confirmation notices and contracts. We traced a sample of the purchase prices to the Gas Daily NYMEX-Henry Hub gas futures contract rates. We traced the related settlements prices to the Gas Daily-NYMEX Henry Hub gas futures contract rate. We recalculated the gains and losses and traced them to the Utility's journal entries for realized gains and losses. We confirmed with the Utility that hedging transactions did not include tolling agreements. No exceptions were noted.



## Hedged Volume and Limits

**Objective:** The objective was to determine whether the quantities of natural gas, residual fuel oil, and purchased power are hedged within the limits (percentage range) as listed in the Utility's Risk Management Plan.

**Procedures:** We reviewed the quantity limits and authorizations. We also obtained TECO's analysis of the monthly percent of fuel hedged in relation to fuel burned for the 12 months ended July 31, 2016, and compared them with the Utility's Risk Management Plan. There were variances for 11 of the 12 months between the percentages of actual and projected natural gas burned that were hedged. The variances in the months of September and October 2015, and January, February, March, April, June, and July 2016 were a result of inaccurate forecasting. The variances in the months of August, November and December 2015 were a result of increased load and reduced coal-fired generation.

## Separation of Duties

**Objectives:** The objectives were to review TECO's procedures for separating duties related to hedging activities for Front Office, Middle Office, and Back Office and their internal and external auditors' workpapers.

**Procedures:** We reviewed the Utility's procedures for separating duties related to hedging activities. We reviewed the notes of the internal audit performed on the separation of duties related to hedging activities. There was no external audit that specifically performed on the separation of duties related to hedging activities. No exceptions were noted.

Audit Findings

**None**

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power cost recovery  
clause with generating performance incentive  
factor.

DOCKET NO. 160001-EI

DATED: September 23, 2016

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that the testimony of Intesar Terkawi on behalf of the staff of the Florida Public Service Commission was electronically filed with the Office of Commission Clerk, Florida Public Service Commission, and copies were furnished to the following, by electronic mail, on this 23rd day of September, 2016.

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*/s/ Danijela Janjic*

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