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April 1, 2010

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COMMISSION CLERK

Ms. Ann Cole, Director
Division of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating
Performance Incentive Factor; FPSC Docket No. 100001-EI

Dear Ms. Cole:

Enclosed for filing in the above docket are the original and fifteen (15) copies of Tampa Electric Company's Annual Report of 2009 Risk Management Activities.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp
Enclosure

cc: All parties of record (w/enc.)

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FPSC-COMMISSION CLERK

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Fuel and Purchased Power)
Cost Recovery Clause with)
Generating Performance Incentive)
Factor)**

**DOCKET NO. 100001-EI
FILED: APRIL 1, 2010**

REDACTED

**TAMPA ELECTRIC COMPANY'S
FUEL PROCUREMENT AND WHOLESALE POWER PURCHASES
RISK MANAGEMENT REPORT
2009**

DOCUMENT NUMBER-DATE

02397 APR-1 0

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**Annual Report
2009 Risk Management Activities**

Tampa Electric's Risk Management Plan identified the following objectives:

- > **Qualitative Objectives**
Tampa Electric's primary goal in managing risk associated with fuel or power purchases focuses on minimizing supply risk to ensure reliability of electric service to its customers at a reasonable price. To the extent that price risk can be mitigated without compromising supply reliability or imposing unreasonable costs on its customers, Tampa Electric is committed to executing strategies to accomplish its risk management goal.
- > **Quantitative Objectives**
Tampa Electric's quantitative objective is to prudently manage its fuel and wholesale energy procurement activities so as to minimize the variance from projected expenditures while taking advantage of cost-saving opportunities that do not result in increased supply risk. Tampa Electric has established a portfolio of fuel and purchased power products with creditworthy counterparties for known volumes and prices.

2009 Risk Management Activities

The company's activities in 2009 that supported the objectives listed above are described in the following section.

- > **Coal Purchases**
Tampa Electric maintains a portfolio of short-term (also called spot market), medium-term and long-term coal contracts with the goal of minimizing fuel costs and price risk while maintaining reliability of supply. The company procured all of its 2009 coal needs from suppliers with known, established pricing. Thus, the cost for the commodity was known. Tampa Electric continued to monitor deliveries and volume commitments in contracts as the pricing in the coal market changed. Tampa Electric takes advantage of favorable spot market pricing when the coal supply is needed. Coal was used to produce approximately 52 percent of the electricity the company generated in 2009.
- > **Coal Risk Management Activities**
Tampa Electric's long-established policy of using physical hedges within its portfolio of different term coal supply contracts continued to help protect ratepayers from coal price volatility.

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➤ **Natural Gas Purchases**

In 2009, approximately 47 percent of the electricity Tampa Electric generated was produced using natural gas. Tampa Electric's risk management strategy continues to focus on supply reliability and price volatility reduction. The components critical to the success of the natural gas purchasing strategy are as follows:

- Execution of the natural gas hedge plan approved by the Risk Authorizing Committee
- Maintaining liquidity by contracting with numerous qualified counterparties
- Time horizon for natural gas hedging activity that allows the company to hedge natural gas prices into the future
- Maintaining a minimum hedge volume percentage by month into the future
- Purchasing additional physical natural gas storage capacity near Mobile Bay, Alabama
- Diversifying interstate pipeline receipt points
- Expanding access to additional interstate pipelines
- Maintaining databases and reports to monitor activity
- Close interaction and communication with personnel at the pipeline and with the groups responsible for natural gas-fired station dispatching to improve the operational interaction between gas supply and gas demand
- Maintaining separation of duties and installation of controls consistent with current industry practices

➤ **Natural Gas Hedging Activities**

Natural gas prices historically have been more volatile than coal prices. Natural gas prices are more volatile due to the surge in natural gas consumption created by natural gas fired power plants that increase and decrease generation to follow changes in demand. Additionally, hurricane activity and other weather-related production reductions or demand increases have a significant impact on the natural gas market. Therefore, Tampa Electric continued to use financial instruments to hedge the price of a portion of the natural gas burned in 2009 to *reduce customers' exposure to the volatility of natural gas prices*. Tampa Electric used floating price to fixed price swaps to hedge natural gas prices. The costs associated with these instruments are embedded in the price of the instruments and are included in the fuel commodity costs reported by the company. The hedges are described in the following table.

**Tampa Electric
 Natural Gas Risk Management Activities**

	Type of Hedge	Mark-to-Market Saving/(Loss)	Hedged Volume (MMBTU)	Consumption (MMBTU)	Percent Hedged (%)	Budget Price (\$)	Hedge Price (\$)	Settle Price (\$)
Jan-09	Swaps	(11,809,700)		4,474,927				6.14
Feb-09	Swaps	(17,177,650)		5,091,469				4.48
Mar-09	Swaps	(17,319,950)		5,648,613				4.06
Apr-09	Swaps	(16,691,910)		4,199,282				3.63
May-09	Swaps	(22,402,965)		6,511,147				3.32
Jun-09	Swaps	(17,992,550)		6,753,594				3.54
Jul-09	Swaps	(18,249,465)		7,112,535				3.95
Aug-09	Swaps	(17,579,555)		6,630,787				3.38
Sep-09	Swaps	(19,322,740)		5,572,920				2.84
Oct-09	Swaps	(13,152,300)		5,692,632				3.73
Nov-09	Swaps	(8,090,850)		2,884,374				4.29
Dec-09	Swaps	(4,236,240)		4,312,706				5.81
Total		(184,025,875)		64,884,986				

Consistent with Tampa Electric's non-speculative risk management plan objective, Tampa Electric's natural gas hedging plan provided price stability and certainty during 2009. The losses of 2009 were driven primarily by the dramatic drop in natural gas prices beginning in the middle of 2008. Natural gas prices dropped due to the lower demand caused by the recession and the higher supply from non-commercial production.

To enhance its physical reliability of gas supply, Tampa Electric has increased its natural gas storage capabilities since summer 2005, and in 2009, the company maintained this storage capacity at 850,000 MMBtu. This capacity will increase to 1,200,000 MMBtu by the end of 2010 when the Bay Gas Storage completes its new cavern. The storage provides Tampa Electric with improved access to "intraday" natural gas when an operational need arises, provides improved hurricane coverage, and can be used to cost-effectively manage swings in gas supply needs during extreme weather conditions, weekends and holidays.

Tampa Electric also continues to improve its physical access to natural gas supply by diversifying its receipt points along the Gulf Coast and other areas when opportunities arise.

In summary, financial hedging activities for natural gas resulted in a net loss of \$184 million in 2009; however, Tampa Electric was successful in reducing price uncertainty and maintaining fuel supply reliability for customers for both its physical and financial hedges.

2009 Market Pricing

Tampa Electric provides a comparison of 2009 fuel prices to the market price for the respective commodity in the following section.

> **Coal**

Coal is a commodity with a great range of potential quality characteristics. Market indexes provide a guide to current market pricing but are not specific enough to accurately demonstrate the market price of a particular coal. Market prices for coal are most accurately determined by competitive bid solicitations that specify the required coal quality or characteristics. With the exception of emergency purchases for reliability reasons and spot market purchases to take advantage of favorable pricing, Tampa Electric purchases coal at prices determined by competitive bid solicitations; therefore, the company's purchases are at market. A comparison of coal contract prices for 2009 to the average acceptable bid price or index price is provided in the following table. Unless otherwise stated, the prices represent the market at the time each contract was entered into and are not representative of today's market. Any comparison to current market prices overlooks the market conditions that existed at the time the coal was procured.

Tampa Electric
 Coal Contract to Market Indicator Price Comparisons

Supplier (Mine)	Contract (\$ / MMBtu)	Market Indicator (\$ / MMBtu)	Difference	Market Indicator Source	Note
2009-LT1-09- Knight Hawk		3.07		Bid Solicitation	1
2009-LT2-09-Knight Hawk		3.07		Bid Solicitation	1
Knight Hawk-06LT1-09		2.42		Bid Solicitation	1
Knight Hawk-08SP1-09		2.47		Bid Solicitation	1
Glencore 09SP1-LS		3.71		Coal Daily 12/1/08	3
Glencore 2010-LT-LS		4.18		Bid Solicitation	1
Ken American Coal 09 SP2-09		4.53		Bid Solicitation	1
American Coal 09 SP1-09		3.94		Coal Daily 6/6/08	3
Pattiki-06LT1-09		2.42		Bid Solicitation	1
Warrior 09LT1-15		3.00		Bid Solicitation	1
Arclar-05LT1-15		1.94		Bid Solicitation	1
Coalsales-06LT1-09		2.32		Bid Solicitation	1
COALSALES-09-SP1-09		4.53		Bid Solicitation	1
Resource Sales-08SP1-09		2.47		Bid Solicitation	1
Phoenix-08SP1-09		2.47		Bid Solicitation	1
Oxbow 08LT1-PLS		3.71		Bid Solicitation	2
Oxbow 08-SP1-PC		1.90		Bid Solicitation	2
Am Coal 08SP1-15		5.38		Coal Daily 8/1/08	3
Valero-09-SP1-PC		4.39		Bid Solicitation	2

Notes:

The contract \$/MMBTU refers to the initial price of the contract at its inception. This price could be subject to escalation per the terms of the contract. All prices are determined on a fully delivered basis. Index values have also been calculated on a delivered basis for comparison purposes.

1. The bid solicitation price is the average price submitted of all acceptable coal bids.
2. Petroleum Coke Price index: PACE Petroleum Coke monthly and or Argus Petroleum Coke monthly, Green Coke, Gulf Coast/Caribbean, Average Price, Below 50 Hargrove Grindability Index ("HGI").
3. Pricing based on Argus Coal Daily Coal price index.

➤ **Natural Gas**

Tampa Electric purchases natural gas at prices that are set by published indexes that reflect the market price. Most of the monthly baseload gas is purchased at a price relative to the New York Mercantile Exchange ("NYMEX") natural gas futures last day settlement price. Tampa Electric purchases additional baseload gas at monthly index prices published in *Inside FERC, Gas Market Report*. Tampa Electric uses the indexes representing market prices for natural gas on

**TAMPA ELECTRIC COMPANY
DOCKET NO. 100001-EI
ANNUAL RISK MANAGEMENT REPORT
PAGE 6 OF 6
FILED: APRIL 1, 2010**

the Gulf Coast that can be transported to Tampa Electric's service area: Henry Hub, Mobile Bay, or Florida Gas Transmission ("FGT") Zone 1, Zone 2 or Zone 3. For daily and short-term natural gas, Tampa Electric typically purchases natural gas based on the FGT index price published in *Gas Daily*. In rare instances, Tampa Electric also purchases small volumes of spot natural gas needed for short durations at fixed prices.

Since the price of natural gas Tampa Electric purchases is based upon a published market index, the company's natural gas purchases are at market.

➤ **No. 2 Oil**

Tampa Electric purchases No. 2 oil for combustion turbines at Polk Station and for Big Bend Station startup. The purchase price is based upon the daily index price published in Platt's *Oilgram* for Gulf Coast Waterborne spot purchases of low sulfur No. 2 oil. Since the price is determined by the published market index, the price paid by Tampa Electric is at market.

➤ **No. 6 Oil**

Tampa Electric no longer purchases No. 6 oil for Phillips Station. Phillips Station has been placed on long term standby.

➤ **Propane**

Tampa Electric purchases propane for Polk Unit No. 1. The purchase price is based upon the average of daily index prices published by Oil Price Information Service at Mont Belvieu, the primary propane hub for the southern United States. Since the price is determined by the published market index, the price paid by Tampa Electric is at market.