



TAMPA ELECTRIC

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 050001-EI

IN RE: FUEL & PURCHASED POWER COST RECOVERY

AND

CAPACITY COST RECOVERY

PROJECTIONS

JANUARY 2006 THROUGH DECEMBER 2006

TESTIMONY AND EXHIBIT

OF

JOANN T. WEHLE

REDACTED

DOCUMENT NUMBER DATE

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FPSC-COMMISSION CLERK

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **PREPARED DIRECT TESTIMONY**

3 **OF**

4 **JOANN T. WEHLE**

5
6 **Q.** Please state your name, address, occupation and employer.

7
8 **A.** My name is Joann T. Wehle. My business address is 702 N.
9 Franklin Street, Tampa, Florida 33602. I am employed by
10 Tampa Electric Company ("Tampa Electric" or "company") as
11 Director, Wholesale Marketing & Fuels.

12
13 **Q.** Please provide a brief outline of your educational
14 background and business experience.

15
16 **A.** I received a Bachelor of Business Administration Degree
17 in Accounting in 1985 from St. Mary's College in Notre
18 Dame, Indiana. I am a CPA in the State of Florida and
19 worked in several accounting positions prior to joining
20 Tampa Electric. I began my career with Tampa Electric in
21 1990 as an auditor in the Audit Services Department. I
22 became Senior Contracts Administrator, Fuels in 1995. In
23 1999, I was promoted to Director, Audit Services and
24 subsequently rejoined the Fuels Department as Director in
25 April 2001. I became Director, Wholesale Marketing and

1 Fuels in August 2002. I am responsible for managing
2 Tampa Electric's wholesale energy marketing and fuel-
3 related activities.
4

5 **Q.** Please state the purpose of your testimony.
6

7 **A.** The purpose of my testimony is to discuss the change in
8 Tampa Electric's fuel mix, the company's natural gas
9 strategies, fuel price forecasts, potential impacts of
10 the high and low fuel forecasts, and natural gas impacts
11 related to Hurricane Katrina. In addition, I will
12 address steps Tampa Electric has taken to manage fuel
13 price and supply volatility and describe projected
14 hedging activities and incremental operations and
15 maintenance ("O&M") costs for these activities, and I
16 sponsor Tampa Electric's 2006 risk management plan,
17 submitted concurrently in this docket.
18

19 **Q.** Have you previously testified before this Commission?
20

21 **A.** Yes. I testified before this Commission in Docket Nos.
22 030001-EI and 031033-EI, and I have filed testimony in
23 the annual fuel and purchased power cost recovery docket
24 since 2001. My testimony in these dockets described the
25 appropriateness and prudence of Tampa Electric's fuel

1 procurement activities, fuel supply risk management, fuel
2 price volatility hedging activities, and fuel
3 transportation costs.

4
5 **Q.** Have you prepared an exhibit in support of your
6 testimony?

7
8 **A.** Yes. Exhibit No. ___ (JTW-2), which consists of two
9 documents, was prepared under my direction and
10 supervision. Document No. 1 describes the calculation of
11 the 2004 waterborne transportation costs disallowance,
12 and Document No. 2 describes the calculation of the
13 company's incremental O&M hedging costs.

14
15 **Coal Transportation Costs**

16 **Q.** Did Tampa Electric calculate the waterborne
17 transportation costs submitted for cost recovery in
18 accordance with the Commission's Order No. PSC-04-0999-
19 FOF-EI ("Order No. 04-0999"), issued in Docket No.
20 031033-EI on October 12, 2004?

21
22 **A.** Yes. The waterborne transportation costs that Tampa
23 Electric has and is seeking to recover reflect the
24 adjusted rates per ton for each upriver terminal as well
25 as the adjusted ocean barge transportation rate. The

1 company calculates the adjusted rates as described in
2 Order No. 04-0999. The river rate is adjusted using the
3 following formula:

$$\frac{\text{(Weighted average rate per ton for all upriver terminals - \$1/ton)}}{\text{Weighted average rate per ton for all upriver terminals}} \times \text{Contract rate for specific upriver terminal}$$

4
5
6
7
8 The ocean rate is reduced by \$2.41 per ton for shipments
9 from the Davant, Louisiana terminal and \$4.08 per ton for
10 petroleum coke shipments from Texas, as prescribed by the
11 Commission order.

12
13 For 2004, Tampa Electric's adjustment to its total
14 waterborne transportation costs totaled \$13,426,496. The
15 variance from the Commission Staff's projected
16 \$15,315,000 disallowance amount was due to variations in
17 river terminal origins, petroleum coke purchases, and
18 total tons shipped, compared to projections. The total
19 2004 adjustment recorded in Tampa Electric's final true-
20 up filing, submitted in this docket on March 1, 2005, was
21 calculated using the actual tons of coal and petroleum
22 coke shipped in 2004 and the methodology required by
23 Order No. 04-9999. These calculations are shown in
24 Exhibit No. ____ (JTW-2), Document No. 1. Therefore,
25 Tampa Electric's 2004 adjusted coal transportation costs

1 are appropriate for recovery through the Fuel and
2 Purchased Power Cost Recovery Clause ("fuel clause").
3

4 Likewise, the expected 2005 and 2006 waterborne
5 transportation costs have been adjusted using this same
6 methodology according to Order No. 04-0999 and will be
7 revised to reflect the actual tons shipped and associated
8 calculated disallowances as part of the normal true-up
9 process. Accordingly, it is also appropriate for Tampa
10 Electric to recover its allowable 2005 and 2006 projected
11 transportation expenses included in the fuel clause for
12 coal transportation.
13

14 **2006 Fuel Mix and Procurement Strategies**

15 **Q.** What fuels will Tampa Electric's generating stations use
16 in 2006?
17

18 **A.** In 2006, Tampa Electric expects its fuel mix to remain
19 stable compared to the previous year. In 2006, natural
20 gas-fired and coal-fired generation are expected to be 39
21 percent and 60 percent of total generation, respectively.
22

23 **Q.** How does Tampa Electric's natural gas procurement and
24 transportation strategy achieve competitive natural gas
25 purchase prices for long- and short-term deliveries?

1 **A.** Tampa Electric uses a portfolio approach to natural gas
2 procurement. The company's portfolio consists of a blend
3 of baseload, intermediate and swing supply types along
4 with spot purchases. The contracts have various time
5 lengths to help secure needed supply at competitive
6 prices and maintain the ability to take advantage of
7 favorable natural gas price movements. Tampa Electric's
8 portfolio consists of many approved counterparties with
9 which the company can trade for physical natural gas
10 supply, which enhances liquidity and diversifies its
11 natural gas supply portfolio. The portfolio also
12 includes natural gas prices based on both monthly and
13 daily price indexes, which represents diversification of
14 its natural gas price portfolio.

15
16 Tampa Electric has also improved the reliability of the
17 physical delivery of natural gas to its power plants by
18 diversifying its pipeline transportation assets,
19 diversifying its receipt points on the pipelines, and
20 utilizing pipeline and storage tools to access lower cost
21 supply and improve reliability during hurricanes or other
22 events that constrain natural gas supply. The daily
23 efforts of Tampa Electric to obtain reliable supplies of
24 natural gas at the most favorable prices directly benefit
25 its customers. Finally, Tampa Electric's risk management

1 activities improve the company's natural gas procurement
2 activities, by reducing natural gas price volatility.
3

4 **Q.** How has Tampa Electric diversified its natural gas
5 transportation arrangements?
6

7 **A.** In 2005, Tampa Electric diversified its transportation
8 assets when it entered into a cost-effective contract for
9 firm natural gas transportation on Gulfstream Natural Gas
10 Pipeline, LLC ("Gulfstream") that provides firm natural
11 gas transportation directly to Tampa Electric's H. L.
12 Culbreath Bayside Station ("Bayside Station") from
13 Manatee County, via a 28-mile lateral pipeline. Tampa
14 Electric anticipates completion of the lateral pipeline's
15 construction in late 2007 or early 2008. The
16 transportation agreement with Gulfstream adds a second
17 pipeline to Tampa Electric's capacity portfolio and
18 improves the company's ability to meet its natural gas
19 hourly and daily demands.
20

21 **Q.** How do Tampa Electric and its customers benefit from the
22 long-term firm natural gas transportation agreement with
23 Gulfstream?
24

25 **A.** The Gulfstream agreement benefits Tampa Electric and its

1 customers in several ways. First, the Gulfstream
2 pipeline capacity is a cost-effective means of covering
3 Tampa Electric's seasonal, daily and maximum hourly
4 pipeline capacity needs. Secondly, through access to
5 Gulfstream's Park-N-Ride service, the agreement improves
6 Tampa Electric's ability to manage daily natural gas
7 supply load swings and pricing volatility. Perhaps even
8 more importantly, the lateral and agreement enhance Tampa
9 Electric's reliability by providing a second source for
10 natural gas supply transportation to the Bayside Station.
11

12 **Q.** Please describe Gulfstream's Park-N-Ride service.
13

14 **A.** Park-N-Ride is a service that allows Tampa Electric
15 essentially to store natural gas in the Gulfstream
16 pipeline until it is needed. The service also allows
17 Tampa Electric to take natural gas from the pipe one day
18 and repay that natural gas at a later date. For example,
19 Park-N-Ride can be used to park natural gas on Gulfstream
20 during a weekend when electric loads are reduced and
21 then, pull the natural gas out of the pipe during the
22 weekdays when electric loads peak. Another example of
23 Park-N-Ride is to pull natural gas out during a day when
24 the electric load changes significantly due to higher
25 than expected loads or loss of a unit.

1 Q. What is Tampa Electric's coal procurement strategy?

2

3 A. Tampa Electric's two coal-fired plants are Big Bend
4 Station and Polk Station. Big Bend Station is a fully
5 scrubbed plant whose design fuel is high sulfur Illinois
6 Basin coal, and Polk Station is an integrated
7 gasification combined cycle plant that is currently
8 burning a mix of Illinois Basin coal, petroleum coke, and
9 lower sulfur coal. The plants have varying operations
10 and environmental restrictions and require fuel with
11 custom quality characteristics such as sulfur content,
12 Btu/lb, ash fusion temperature and chlorine content.
13 Since coal is not a homogenous product, fuel selection is
14 based on these unique factors and price, availability,
15 and creditworthiness of the supplier.

16

17 Tampa Electric maintains a portfolio of bilateral, long-,
18 intermediate-, and short-term contracts for coal supply.
19 Tampa Electric monitors the market to obtain the most
20 favorable prices from sources that meet the needs of the
21 generating stations. The use of daily and weekly
22 publications, independent research analyses from industry
23 experts, discussions with suppliers, and coal
24 solicitations help in market monitoring and in shaping
25 the company's coal procurement strategy to reflect

1 current market conditions. This allows the company to
2 maintain stable supply sources while providing
3 flexibility to take advantage of favorable spot market
4 opportunities. The company's efforts to obtain the most
5 favorable coal prices directly benefit its customers.
6

7 **Q.** Has Tampa Electric entered into coal and natural gas
8 supply transactions for 2005 and 2006 delivery?
9

10 **A.** Yes, it has. To mitigate price volatility and ensure
11 reliability of supply, Tampa Electric has contracted for
12 a significant portion of its expected coal needs for both
13 years through bilateral agreements with coal suppliers.
14 Two thirds of the company's expected 2006 coal
15 requirements are already under contract. Tampa Electric
16 has also entered into contracts for 40 percent of the
17 company's expected natural gas needs for the winter of
18 2005 and all of 2006.
19

20 **Q.** Has Tampa Electric reasonably managed its fuel
21 procurement practices for the benefit of its retail
22 customers?
23

24 **A.** Yes. Tampa Electric diligently manages its mix of long-,
25 intermediate-, and short-term purchases of fuel in a

1 manner designed to reduce overall fuel costs while
2 maintaining electric service reliability. The company
3 monitors and adjusts fuel volumes it takes within
4 contractually allowed maximum and minimum amounts in
5 accordance with the price of fuel available on the spot
6 market to take advantage of the lowest available fuel
7 prices. The company's fuel activities and transactions
8 are reviewed and audited on a recurring basis by the
9 Commission. In addition, the company monitors its rights
10 under contracts with fuel suppliers to detect and prevent
11 any breach of those rights. Tampa Electric continually
12 strives to improve its knowledge of fuel markets and to
13 take advantage of opportunities to minimize the costs of
14 fuel.

15
16 **Q.** Has Tampa Electric detected any suppliers' default of its
17 fuel supply agreements?

18
19 **A.** Yes, in late 2004, No. 1 Contractors failed to deliver
20 coal as specified in its fuel supply agreement with Tampa
21 Electric. Tampa Electric has completed the notification
22 procedures contained in the agreement, and the company
23 has begun pursuing available legal remedies, including
24 litigation.

25

1 Q. Is it appropriate for Tampa Electric to recover
2 replacement coal costs prior to the resolution of its
3 claim against No. 1 Contractors?
4

5 A. Yes, it is appropriate for Tampa Electric to recover
6 replacement fuel costs prior to resolution of this claim.
7 The company recovers its fuel costs as the fuel is
8 consumed. Therefore, Tampa Electric should continue to
9 recover its coal expenses, including any replacement
10 purchases, as the fuel is consumed. In the event that
11 Tampa Electric is successful in its claim against No. 1
12 Contractors, monetary damages for the breach of contract
13 will be returned to customers through the fuel clause.
14

15 **Projected 2006 Fuel Prices**

16 Q. How does Tampa Electric project fuel prices?
17

18 A. Tampa Electric reviews fuel price forecasts from sources
19 widely used in the industry, including PIRA Energy
20 Consulting, Hill & Associates, the Energy Information
21 Administration, the New York Mercantile Exchange
22 ("NYMEX") and other energy market information sources.
23 Futures prices for energy commodities, as traded on the
24 NYMEX, are the primary driver of the natural gas and No.
25 2 oil price forecasts. The commodity price projections

1 are then adjusted to incorporate expected transportation
2 costs and quality adjustments. The transportation and
3 quality adjustments are specific to the power plants to
4 which the fuel will be delivered and the locations from
5 which it is transported.

6
7 Coal prices and coal transportation prices are projected
8 using information from industry-recognized consultants
9 and are specific to the particular quality and location
10 of coal utilized by Tampa Electric's Big Bend Station and
11 Polk Unit 1. Final as-burned prices are derived using
12 expected commodity prices, associated transportation
13 costs, additives used, and analysis performed on coal
14 inventory.

15
16 **Q.** How do the 2006 projected fuel prices compare to the fuel
17 prices projected for 2005?

18
19 **A.** The entire industry, including Tampa Electric, has
20 experienced rising fuel prices since 2004, and projected
21 fuel prices for 2006 are higher for all commodities. The
22 global economy and the increasing industrialization of
23 countries like China have affected the price of natural
24 resources such as natural gas, oil, and coal. The demand
25 for these and other commodities, such as steel, has

1 continued to exert upward pressure on fuel prices. Crude
2 oil prices have soared recently, as illustrated by the
3 recent price for crude oil of well over \$60 per barrel,
4 due to factors such as the turmoil in the Middle East,
5 storage injections and withdrawals, and expected
6 hurricane activity near the U.S. coastline. Likewise,
7 the transportation costs of these commodities are
8 affected by the increase in fuel prices.

9
10 **Q.** What are the market drivers of the expected 2006 increase
11 in the price of natural gas?

12
13 **A.** Of the fuels utilized by Tampa Electric, natural gas has
14 experienced the greatest increase in price over the last
15 several years. In addition to price pressures from crude
16 oil, the market drivers include increased demand from
17 natural-gas fired generation, declining natural gas
18 production in North America, delayed liquefied natural
19 gas projects, concerns about the adequacy of natural gas
20 in storage, and concerns about production losses due to
21 tropical storm activity.

22
23 **Q.** Did Hurricane Katrina affect Tampa Electric's natural gas
24 procurement activities?

1 **A.** Yes, since Hurricane Katrina affected the region where
2 much of the nation's natural gas supply originates, the
3 entire industry is now facing production and delivery
4 constraints that affect the price and supply of natural
5 gas. Some natural gas platforms in the Gulf of Mexico
6 remain inoperable following Hurricane Katrina, which has
7 reduced production capacity. In addition, natural gas
8 transportation pipelines pass through the areas affected
9 by Hurricane Katrina. The natural gas transportation
10 pipelines may have been damaged under water, and the
11 damage is still being assessed. Furthermore, following
12 Hurricane Katrina, natural gas supplies in storage are
13 declining due to decreased production. These significant
14 post-hurricane effects have the potential to drive
15 natural gas prices even higher and continue to constrain
16 natural gas supply.

17
18 **Q.** Do Tampa Electric's projected fuel costs include natural
19 gas supply and price impacts related to Hurricane
20 Katrina?

21
22 **A.** Yes, Tampa Electric was able to incorporate \$42 million
23 in cost impacts seen at the end of August 2005 in its
24 projected fuel costs submitted for recovery. Due to the
25 recency of Hurricane Katrina, Tampa Electric has

1 attempted only to quantify the impacts to natural gas
2 prices for the winter of 2005 to 2006. This is
3 appropriate since market indicators suggest that market
4 prices may ease in the summer months as we move farther
5 away in time from the impacts of Hurricane Katrina, which
6 will allow the market to settle down. However, given the
7 uncertainty related to current market pricing, Tampa
8 Electric recognizes the possibility that the company will
9 incur additional costs for natural gas, as well as for
10 other fuels and transportation. Tampa Electric will true
11 up these estimates to reflect actual costs as necessary.
12

13 Q. What are the market drivers of the increase in the price
14 of coal?
15

16 A. Coal prices correlate with the prices of other fuels
17 since coal mining utilizes petroleum products, steel, and
18 lumber in its production processes; therefore, coal
19 prices have increased in conjunction with increases in
20 the prices of other fuels. Domestic transportation
21 delays experienced by the U.S. railroads have also
22 influenced summer 2005 spikes in coal prices.
23 Furthermore, increased costs of SO₂ allowances contributed
24 to the higher prices for lower sulfur coals and coal in
25 general. For all of these reasons, Tampa Electric

1 expects higher coal prices to continue through 2006.

2

3 **Q.** Did Hurricane Katrina affect Tampa Electric's coal
4 procurement activities?

5

6 **A.** Yes, Tampa Electric's coal supply logistics were affected
7 by Hurricane Katrina. Prior to the storm, TECO Transport
8 moved ocean barges loaded with Tampa Electric's coal away
9 from the storm path; thus, the ocean barges were able to
10 continue delivering coal to Tampa Electric's Big Bend
11 Station after Hurricane Katrina. Shipments have
12 continued, despite some delays in the area near the mouth
13 of the Mississippi River. Damage at TECO Bulk Terminal
14 is being assessed, and TECO Transport has also begun
15 fleet recovery activities. As with its coal suppliers,
16 Tampa Electric continues to work with TECO Transport to
17 ensure that coal shipments continue. At this time, Tampa
18 Electric is not certain what measures will be required to
19 maintain appropriate coal inventories. Key activities
20 under consideration include the use of rail, the use of
21 third-party barges until TECO Transport's fleet is
22 recovered, as well as seeking alternative terminal
23 services. Both TECO Transport and Tampa Electric are
24 committed to maintaining a reliable supply of coal at
25 Tampa Electric's generating stations.

1 Q. Do Tampa Electric's projected fuel costs include coal
2 supply and price impacts related to Hurricane Katrina?

3

4 A. No. As I stated above, due to the recency of Hurricane
5 Katrina, Tampa Electric is not yet able to quantify
6 impacts to projected coal costs.

7

8 Q. Did Tampa Electric consider the impact of higher than
9 expected or lower than expected natural gas prices?

10

11 A. Yes. After reviewing the historical volatility in NYMEX
12 pricing and the implied volatility in natural gas
13 options, Tampa Electric has estimated that actual prices
14 in 2006 could be higher or lower than the base forecast
15 by as much as 35 percent. Major fundamental or technical
16 changes, such as abnormal weather, political instability
17 or production shortages, will also dramatically affect
18 price volatility, as demonstrated in the aftermath of
19 Hurricane Katrina.

20

21 **Hedging Transactions and Related Expenses**

22 Q. Please describe Tampa Electric's risk management
23 activities.

24

25 A. Tampa Electric complies with its risk management plan as

1 developed by the Wholesale Marketing & Fuels Department
2 approved by the company's Risk Authorizing Committee.
3 The plan enables Tampa Electric to utilize system and
4 procedural controls to provide detailed and timely
5 reporting of hedging activities for management review and
6 oversight. The company also uses the services of well-
7 known, respected energy consulting companies to assist
8 with forecasting fuel procurement and energy market
9 conditions. Tampa Electric describes its risk management
10 strategies and activities in detail in its Risk
11 Management Plan filed in this docket on
12 September 9, 2005.

13
14 **Q.** Does Tampa Electric's risk management strategy mitigate
15 natural gas price risk?

16
17 **A.** Yes. To protect customers from price volatility, Tampa
18 Electric may purchase over-the-counter natural gas swaps
19 and collars. A swap is a financial derivative that
20 provides a "fixed for floating" position. The buyer
21 (Tampa Electric) pays a fixed price for the natural gas,
22 which has a floating value until cash settlement at the
23 end of the month. The swaps allowed Tampa Electric to
24 lock in known natural gas prices and avoid upward price
25 volatility. The transaction costs of swaps are embedded

1 in the price of the commodity.

2
3 Collars are combinations of call options (caps) and put
4 options (floors) that collar prices within a certain
5 range. An option is the right, but not the obligation,
6 to buy (call) or sell (put) natural gas at a pre-
7 determined price. With a collar, the company knows that
8 its future prices will remain within the predetermined
9 boundaries established by the call and put options.

10
11 **Q.** Has Tampa Electric entered into financial hedging
12 transactions in 2005 to mitigate the price volatility of
13 natural gas?

14
15 **A.** Yes. Tampa Electric has purchased over-the-counter
16 natural gas swaps to protect customers from natural gas
17 price volatility. The hedging activity position is
18 described in the Risk Management Plan submitted
19 concurrently with this testimony. Tampa Electric will
20 continue to hedge according to its Risk Management Plan
21 approved by the Risk Authorizing Committee.

22
23 **Q.** Has Tampa Electric used financial hedging to mitigate the
24 price volatility of its 2006 natural gas requirements?

1 **A.** Yes. Tampa Electric has already hedged a portion of its
2 expected 2006 natural gas supply needs using swaps and
3 will continue to take advantage of available natural gas
4 hedging opportunities that benefit its customers, while
5 complying with the company's approved Risk Management
6 Plan. The 2006 hedging position for natural gas is
7 provided in the Risk Management Plan filed concurrently
8 with this testimony.

9
10 **Q.** Are the company's strategies adequate for mitigating
11 price risk for Tampa Electric's 2004 through 2006
12 natural gas purchases?

13
14 **A.** Yes, the company's strategies are adequate for mitigating
15 price risk for Tampa Electric's natural gas purchases.
16 Tampa Electric's strategies balance the desires for
17 reduced price volatility and reasonable cost with the
18 uncertainty of natural gas volumes. These strategies are
19 described in detail in Tampa Electric's Risk Management
20 Plan, also submitted in this docket on September 9, 2005.

21
22 **Q.** Have recent increases in the market price of natural gas
23 affected the percentage of Tampa Electric's natural gas
24 requirements that the company has hedged or plans to
25 hedge?

1 **A.** No. The volume hedged is driven primarily by expected
2 natural gas consumption levels and the time until that
3 natural gas will be needed. Based on those two
4 parameters, the amount hedged is maintained within a
5 prescribed percentage range. Price is not a component
6 of the current plan since the objective is price
7 volatility reduction, not price speculation.

8

9 **Q.** Does Tampa Electric anticipate incurring incremental
10 O&M expenses related to initiating or maintaining its
11 non-speculative financial hedging program in 2006?

12

13 **A.** Yes. In Order No. PSC-02-1484-FOF-EI the Commission
14 authorized the recovery of prudently-incurred incremental
15 O&M expenses for the purpose of initiating and/or
16 maintaining a new or expanded non-speculative financial
17 and/or physical hedging program designed to mitigate fuel
18 and purchased power price volatility for its retail
19 customers. Tampa Electric expects its 2006 total
20 incremental hedging O&M cost to be \$235,798. These
21 incremental costs are itemized in Exhibit No. ____ (JTW-
22 2), Document No. 2.

23

24 **Q.** What is Tampa Electric's appropriate base O&M expense
25 level used to calculate incremental hedging O&M expenses?

1 **A.** Tampa Electric's base level of hedging O&M expenses of
2 \$169,153 reflects the company's actual 2001 costs prior
3 to its implementation of a prudent financial hedging
4 program in 2002. The base level costs were audited by
5 the Commission Staff in Audit No. 02-340-2-1, in Docket
6 No. 030001-EI. Tampa Electric's expected 2006
7 incremental hedging O&M expenses are calculated using
8 this audited base level, as shown in Document No. 2 of my
9 exhibit.

10

11 **Q.** Were Tampa Electric's efforts through July 31, 2005 to
12 mitigate price volatility through its non-speculative
13 hedging program prudent?

14

15 **A.** Yes. Tampa Electric has executed hedges according to the
16 risk management plan filed with this Commission, which
17 was approved by the company's Risk Authorizing Committee.

18

19 **Q.** Does this conclude your testimony?

20

21 **A.** Yes, it does.

22

23

24

25

TAMPA ELECTRIC COMPANY
DOCKET NO. 050001-EI
FILED: 9/9/05

EXHIBIT TO THE TESTIMONY OF
JOANN T. WEHLE

DOCUMENT NO. 1

2004 WATERBORNE TRANSPORTATION COST ADJUSTMENT

25

January - December 2004	(A)	(B)	(C)	(D)	(A*D)	(B*D)	(C*D)
	Contract \$/Ton ^{(1) (3)}	Adjusted \$/Ton ⁽²⁾	Disallowance \$/Ton	Total Tons	Contract Total	Adjusted Total	Disallowed Total
Inland River Docks							
Pet Coke Refinery (M.P. 140)			\$ 0.34	357,817	\$ 905,276	\$ 783,618	\$ 121,658
Overland/Camp			\$ 0.95	-	-	-	-
Hamilton			\$ 0.94	-	-	-	-
Empire Dock			\$ 0.90	-	-	-	-
Cora			\$ 0.97	-	-	-	-
Yankeetown			\$ 1.00	-	-	-	-
Lone Eagle/Chester			\$ 1.15	6,542	55,153	47,629	7,524
Mount Vernon			\$ 0.96	61,082	430,019	371,380	58,639
Cook			\$ 0.81	254,182	1,520,008	1,314,121	205,887
Mound City			\$ 0.81	-	-	-	-
Rigsby & Barnard			\$ 0.91	-	-	-	-
Patriot			\$ 1.12	-	-	-	-
Owensboro			\$ 1.01	-	-	-	-
New Hope			\$ 1.02	-	-	-	-
Dekoven			\$ 0.92	422,769	2,853,690	2,464,743	388,947
Jefferson			\$ 1.11	-	-	-	-
Powhatan			\$ 1.45	311,066	3,312,854	2,861,808	451,046
Caseyville			\$ 0.92	408,372	2,752,429	2,376,726	375,702
S. Indiana/Evansville			\$ 0.98	130,524	941,075	813,162	127,913
Pyramid			\$ 1.22	-	-	-	-
Ken Mine			\$ 1.22	-	-	-	-
GRT			\$ 0.97	-	-	-	-
Kentucky Lakes Dock			\$ 0.97	-	-	-	-
Transcontinental (TTI)			\$ 1.25	-	-	-	-
Sebree			\$ 1.14	-	-	-	-
Green 11			\$ 1.09	-	-	-	-
Shawneetown (Arclar)			\$ 0.93	907,950	6,183,137	5,338,744	844,393
Total River				2,860,304	\$ 18,953,641	\$ 16,371,931	\$ 2,581,710
Ocean							
Coal			\$ 2.41	4,401,418	\$ 35,123,318	\$ 24,515,900	\$ 10,607,418
Petcoke from Texas			\$ 4.08	58,707	638,732	399,208	239,525
Total Ocean				4,460,125	\$ 35,762,050	\$ 24,915,108	\$ 10,846,943
					Total ⁽⁴⁾		\$ 13,428,653

¹ Contract rate per contract signed with TECO Transport.

² Adjusted rate based on methodology set forth in Order No. PSC-04-0999-FOF-EI, which takes the weighted average rate for all upriver terminals minus \$1 and divides it by the weighted average rate of all upriver terminals multiplied by the contract rate for that specific upriver terminal. Ocean rate based on the aforementioned Order.

³ Contract rate subject to quarterly escalation provisions in the contract. Therefore, ratio between total contract amount and adjustment will change moving forward.

⁴ \$2,157 variance between true-up filing of \$13,426,496 and total amount of \$13,428,653 adjusted in 2005.

EXHIBIT NO. _____
TAMPA ELECTRIC COMPANY
DOCKET NO. 050001-EI
(JTW-2)
DOCUMENT NO. 1
PAGE 1 OF 1
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TAMPA ELECTRIC COMPANY
DOCKET NO. 050001-EI
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EXHIBIT TO THE TESTIMONY OF
JOANN T. WEHLE

DOCUMENT NO. 2

PROJECTED INCREMENTAL O&M HEDGING COSTS

EXHIBIT NO. _____
TAMPA ELECTRIC COMPANY
DOCKET NO. 050001-EI
(JTW-2)
DOCUMENT NO. 2
PAGE 1 OF 1
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**Tampa Electric Company
2006 Projected Incremental O&M Hedging Costs**

O&M Hedging Costs

Labor and related charges	\$ 308,550
Software system fees	65,954
Consulting and subscription fees	<u>30,447</u>
Total O&M Hedging Costs	\$ 404,951
Less Base Year O&M Hedging Costs	<u>169,153</u>
Incremental O&M Hedging Costs	<u>\$ 235,798</u>