

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

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In the Matter of	:	DOCKET NO. 990001-EI
	:	
Fuel and purchased	:	TRANSMISSION RECONSIDERATION
power cost recovery	:	
clause and generating	:	
performance incentive	:	
factor.	:	



PROCEEDINGS: **HEARING**

BEFORE: CHAIRMAN JOE GARCIA
 COMMISSIONER SUSAN F. CLARK
 COMMISSIONER JULIA L. JOHNSON

DATE: **Friday, February 12th, 1999**

TIME: Commenced at 9:30 a.m.
 Concluded at 11:25 a.m.

PLACE: Betty Easley Conference Center
 Room 148
 4075 Esplanade Way
 Tallahassee, Florida

REPORTED BY: H. RUTHE POTAMI, CSR, RPR
 FPSC Commission Reporter

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1 **APPEARANCES:**

2 **JAMES A. MCGEE**, Post Office Box 14042, 3201
3 34th Street South, St. Petersburg, Florida 33733,
4 appearing on behalf of **Florida Power Corporation**.

5 **JEFFREY A. STONE**, Beggs & Lane, 700 Blount
6 Building, 3 West Garden Street, Post Office Box 12950,
7 Pensacola, Florida 32576-2950, appearing on behalf of
8 **Gulf Power Company**.

9 **JAMES D. BEASLEY**, Ausley & McMullen, Post
10 Office Box 391, Tallahassee, Florida 32302, appearing
11 on behalf of **Tampa Electric Company (TECO)**.

12 **VICKI GORDON KAUFMAN**, McWhirter, Reeves,
13 McGlothlin, Davidson, Decker, Kaufman, Arnold & Steen,
14 Post Office Box 3350, Tampa, Florida 32601-3350,
15 appearing on behalf of **Florida Industrial Power Users**
16 **Group (FIPUG)**.

17 **MATTHEW M. CHILDS**, Steel, Hector & Davis,
18 215 South Monroe Street, Suite 601, Tallahassee,
19 Florida 32301, appearing on behalf of **Florida Power &**
20 **Light Company (FPL)**.

21 **STEPHEN C. BURGESS**, Deputy Public Counsel,
22 Office of Public Counsel, 111 West Madison Street,
23 Room 812, Tallahassee, Florida 32399-1400, appearing
24 on behalf of the **Citizens of the State of Florida**.

25

1 **APPEARANCES CONTINUED:**

2 **WILLIAM COCHRAN KEATING, IV, Florida Public**
3 Service Commission, Division of Legal Services, 2540
4 Shumard Oak Boulevard, Tallahassee, Florida
5 32399-0870, appearing on behalf of the **Commission**
6 **Staff.**

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EXHIBITS			
NUMBER		ID.	ADMTD.
1	Dubin depo & FPL's	10	10
2	Responses to Staff's 3rd		
3	Set of Interrogatories, 7-14		
4	Composite, Howell depo	14	14
5	and response to Staff's		
6	Second Set of Interrogatories		
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1 **MR. BURGESS:** Steve Burgess for the Public
2 Council's Office, representing the citizens of the
3 state of Florida.

4 **MS. KAUFMAN:** Vicki Gordon Kaufman of the
5 McWhirter Reeves law firm representing the Industrial
6 Power Users Group.

7 **MR. KEATING:** And Cochran Keating on behalf
8 of Commission Staff.

9 **CHAIRMAN GARCIA:** Okay. Are there any
10 preliminary matters?

11 **MR. KEATING:** Yes, I believe we have a few
12 preliminary matters.

13 The first, I think, that we should bring up
14 is Florida Power Corporation has filed a request for
15 leave to substitute a witness and Staff's
16 recommendation that the Commission grant that request.

17 **CHAIRMAN GARCIA:** There being no
18 objections -- I understand there is a personal tragedy
19 in the witness's family. So who will be adopting the
20 witness' testimony?

21 **MR. MCGEE:** That will be Mr. Wieland.

22 **CHAIRMAN GARCIA:** Mr. Wieland will be
23 adopting the testimony. Very good. Okay.

24 **MR. KEATING:** And, second, I'd like to see
25 if we could get official notice of two things. One I

1 haven't asked the parties about, but I believe it
2 might be appropriate to take official notice of the
3 FERC Order 888, if there's no objection.

4 **MR. STONE:** No objection.

5 **MR. KEATING:** And the second; I'm not sure
6 if it's necessary, but the Commission's original order
7 regarding this matter, which is PSC-9800073-FOF-EI,
8 which was issued January 13th, 1998.

9 **CHAIRMAN GARCIA:** Okay.

10 **MR. CHILDS:** Could I inquire, is there a
11 FERC Order 888A that may also go with that?

12 **MR. KEATING:** Yes, that's correct.

13 **MR. CHILDS:** Would that be included?

14 **MR. KEATING:** Yes, that should be included.

15 Thank you.

16 **CHAIRMAN GARCIA:** Okay.

17 **MR. KEATING:** Next we have a -- I guess we
18 should take this up as a preliminary matter, unless
19 you feel otherwise. We have a few items that were
20 stipulated that were addressed at the prehearing that
21 Staff would like to go ahead and see if these can be
22 moved into the record.

23 The first thing that was stipulated is that
24 the prefiled direct testimony of FPL's Witness Dubin
25 would be moved into the record.

1 **CHAIRMAN GARCIA:** What was the witness'
2 name?

3 **MR. KEATING:** The witness is Dubin.

4 **CHAIRMAN GARCIA:** Dubin?

5 **MR. KEATING:** Yes.

6 **CHAIRMAN GARCIA:** Okay. There being no
7 objection, show Mr. Dubin's testimony moved into the
8 record.

9 **MR. KEATING:** Second -- and Staff has handed
10 out to all the Commissioners, and I think the parties
11 have them too, a set of exhibits. I think it should
12 be the third exhibit in your stack. And the witness
13 listed on the cover sheet is Witness Dubin for Florida
14 Power & Light. That exhibit consists of the
15 transcript of Witness Dubin's deposition and Florida
16 Power & Light's responses to Staff's Third Set of
17 Interrogatories, No. 7 through 14.

18 It was also stipulated at the prehearing
19 that this information could be --

20 **CHAIRMAN GARCIA:** Mr. Keating, where exactly
21 do I find that?

22 **MR. KEATING:** It should be in your package.

23 **CHAIRMAN GARCIA:** Here it is. I'm sorry.
24 Mr. Dubin's?

25 **MR. KEATING:** Ms. Dubin's, yes.

1 **CHAIRMAN GARCIA:** And that's stipulated into
2 the record also.

3 **MR. KEATING:** Yes.

4 **CHAIRMAN GARCIA:** If there's no objection.
5 Very good. So show it --

6 **MR. KEATING:** If we could have that marked
7 for identification.

8 **CHAIRMAN GARCIA:** Give me a number.

9 **MR. KEATING:** As Exhibit No. 1.

10 **CHAIRMAN GARCIA:** All right. Show
11 Mr. Dubin's testimony and exhibits admitted into the
12 record.

13 **MR. KEATING:** And that can have a short
14 title, "Composite Exhibit, Deposition of Korel M.
15 Dubin and Responses to Staff's Third Set of
16 Interrogatories."

17 **CHAIRMAN GARCIA:** Sounds like a good title,
18 and so we'll adopt your title.

19 (Exhibit 1 marked for identification and
20 received in evidence.)

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1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**
2 **FLORIDA POWER & LIGHT COMPANY**
3 **TESTIMONY OF KOREL M. DUBIN**
4 **DOCKET NO. 980001-EI**
5 **October 14, 1998**

6
7 **Q. Please state your name and address.**

8 A. My name is Korel M. Dubin and my business address is 9250 West
9 Flagler Street, Miami, Florida 33174.

10

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

12 A. I am employed by Florida Power & Light Company (FPL) as Principal
13 Rate Analyst in the Rates and Tariffs Department.

14

15 **Q. Have you previously testified in this docket?**

16 A. Yes, I have.

17

18 **Q. What is the purpose of your testimony?**

19 A. The purpose of my testimony is to address issues set forth in
20 Attachment A of Commission Order No. PSC-98-1270-PCO-EI
21 issued September 25, 1998 regarding transmission revenues
22 associated with economy transactions.

23

24

1 **Q. Does the FERC require that revenue from non-firm transmission**
2 **services, subject to FERC jurisdiction be reflected as a revenue**
3 **credit in the derivation of firm transmission service rates subject**
4 **to FERC jurisdiction?**

5 A. Yes. In Order No. 888, issued in Docket Nos. RM95-8-000 and
6 RM94 -7-001 the FERC stated "The Final Rule's general requirement
7 for non-discriminatory transmission access and pricing by public
8 utilities, and its specific requirement that public utilities unbundle their
9 transmission rates and take transmission service under their own
10 tariffs, apply to all public utilities' wholesale sales and purchases of
11 electric energy, including coordination transactions (mimeo page
12 266)." Additionally, in 1993 for New England Power Co. (FERC
13 61,153), FERC accepted transmission rates that reflected a credit to
14 the transmission cost of service for nonfirm transmission services
15 provided to others. In that same case, FERC also required the
16 company to credit the transmission cost of service to reflect the
17 transmission component of off-system power sales revenues.

18

19 **Q. How should the transmission revenues associated with**
20 **economy transactions over the Energy Broker Network be**
21 **separated between retail and wholesale jurisdictions?**

22 A. For FPL, transmission revenue associated with economy transactions
23 should continue to be separated based on energy. Although it may be
24 appropriate to use a demand separator, FPL's current energy

1 separation factor and demand separation factor produce virtually the
2 same results. Also, currently all fuel and fuel related costs and
3 revenues that are included in the Fuel Cost Recovery factors are
4 separated based on energy. Introducing another step in the
5 calculation of our fuel factors that would not materially affect the
6 results does not seem beneficial at this time.

7

8 FPL's separation factor for energy is calculated by taking actual
9 annual Total Retail Energy at Generation and dividing it by Total
10 Company Energy at Generation. FPL's current separation factor for
11 energy is 98.56%.

12

13 FPL's current separation factor for demand is 98.05%. FPL's
14 separation factor for demand is calculated by taking actual annual
15 Retail Average 12 CP at Generation and dividing it by Total Company
16 Average 12 CP at Generation.

17

18 **Q. Does this conclude your testimony.**

19 **A. Yes, it does.**

1 **MR. KEATING:** Thank you. Another thing that
2 was stipulated at the prehearing was to move the
3 prefiled direct testimony of Gulf's Witness Howell
4 into the record.

5 **CHAIRMAN GARCIA:** There being no objection,
6 show Mr. Howell's testimony admitted into the record.
7 And.

8 I would assume that the fourth document
9 down, now the third document down --

10 **MR. KEATING:** That's correct. That is the
11 deposition of Mr. Howell and Gulf's responses to
12 Staff's Second Set of Interrogatories.

13 **CHAIRMAN GARCIA:** Okay. That would be also
14 moved into the record, and I'm going to take a guess,
15 but that would be Exhibit No. 2.

16 **MR. KEATING:** Thank you.

17 **CHAIRMAN GARCIA:** And you will give it a
18 short title for us.

19 **MR. KEATING:** Short title? Sure; I'll work
20 on one. "Composite Exhibit, Deposition of
21 M. W. Howell and Response to Staff's Second Set of
22 Interrogatories."

23 **CHAIRMAN GARCIA:** Perfect. So that's the
24 title.

25 (Exhibit 2 marked for identification and

1 received in evidence.)
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GULF POWER COMPANY

Before the Florida Public Service Commission
Direct Testimony of
M. W. Howell
Docket No. 980001-EI
TRANSMISSION RECONSIDERATION
Date of Filing: October 14, 1998

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6 Q. Please state your name, business address and occupation.

7 A. My name is M. W. Howell, and my business address is One
8 Energy Place, Pensacola, Florida 32520. I am
9 Transmission and System Control Manager for Gulf Power
10 Company.

11

12 Q. Have you previously testified before this Commission?

13 A. Yes. I have testified in various rate case,
14 cogeneration, territorial dispute, planning hearing,
15 fuel clause adjustment, and purchased power capacity
16 cost recovery dockets.

17

18 Q. Please summarize your educational and professional
19 background.

20 A. I graduated from the University of Florida in 1966 with
21 a Bachelor of Science Degree in Electrical Engineering.
22 I received my Masters Degree in Electrical Engineering
23 from the University of Florida in 1967, and then joined
24 Gulf Power Company as a Distribution Engineer. I have
25 since served as Relay Engineer, Manager of Transmission,

1 Manager of System Planning, Manager of Fuel and System
2 Planning, and Transmission and System Control Manager.
3 My experience with the Company has included all areas of
4 distribution operation, maintenance, and construction;
5 transmission operation, maintenance, and construction;
6 relaying and protection of the generation, transmission,
7 and distribution systems; planning the generation,
8 transmission, and distribution systems; bulk power
9 interchange administration; overall management of fuel
10 planning and procurement; and operation of the system
11 dispatch center.

12 I am a member of the Engineering Committees and
13 the Operating Committees of the Southeastern Electric
14 Reliability Council and the Florida Reliability
15 Coordinating Council, and have served as chairman of the
16 Generation Subcommittee of the Edison Electric Institute
17 System Planning Committee. I have served as chairman or
18 member of many technical committees and task forces
19 within the Southern electric system, the Florida
20 Electric Power Coordinating Group, and the North
21 American Electric Reliability Council. These have dealt
22 with a variety of technical issues including bulk power
23 security, system operations, bulk power contracts,
24 generation expansion, transmission expansion,
25 transmission interconnection requirements, central

1 dispatch, transmission system operation, transient
2 stability, underfrequency operation, generator
3 underfrequency protection, and system production
4 costing.

5
6 Q. What is the purpose of your testimony in this
7 proceeding?

8 A. The purpose of my testimony is to provide evidentiary
9 support regarding the requirement of the Federal Energy
10 Regulatory Commission (FERC) that revenues from non-firm
11 transmission services shall be reflected as a revenue
12 credit when calculating the firm transmission service
13 rates of the Southern electric system (Southern) which
14 are subject to the FERC's jurisdiction. Gulf Power is
15 an operating company of Southern.

16
17 Q. Does the FERC require that revenue from non-firm
18 transmission services subject to FERC jurisdiction be
19 reflected as a revenue credit in the derivation of firm
20 transmission service rates subject to FERC jurisdiction?

21 A. Yes. The FERC included this requirement in both Order
22 No. 888 and Order No. 888-A for transmission providers
23 using annual system peak load pricing for their
24 transmission services. On page 304 of the FERC's Order
25 No. 888, issued April 24, 1996, the FERC clearly states

1 that as part of a mechanism to prevent over-recovery of
2 costs ". . . revenue from non-firm services should
3 continue to be reflected as a revenue credit in the
4 derivation of firm transmission tariff rates."

5 This requirement was reaffirmed by the FERC in
6 Order No. 888-A that was issued on March 4, 1997. Page
7 247 of Order No. 888-A states that ". . . the Commission
8 [FERC] explained that revenue from non-firm transmission
9 services should continue to be reflected as a revenue
10 credit in the derivation of firm transmission service
11 rates. The Commission [FERC] noted that the combination
12 of allocating costs to firm point-to-point service and
13 the use of a revenue credit for non-firm transmission
14 service will satisfy the requirements of a conforming
15 rate proposal enunciated in our Transmission Pricing
16 Policy Statement."

- 17
- 18 Q. Has the Southern filed its Open Access Transmission
19 Service Tariff to conform to the above mentioned
20 requirements of FERC Order No. 888 and FERC Order No.
21 888-A?
- 22 A. Yes. All of Southern's transmission service tariff
23 filings, including the currently effective transmission
24 service tariff, have complied with the FERC-ordered
25 requirements to include non-firm revenue credits in the

1 firm transmission service rate derivation. Southern's
2 currently effective Open Access Transmission Tariff is a
3 formulary rate tariff that provides for annual updates
4 of the investment, expense, load, and cost of capital
5 components of the firm transmission rate calculation.
6 The scheduled updates provide the occasion for
7 incorporating the most current non-firm transmission
8 revenue credits in the determination of firm
9 transmission rates. At the time of the annual updates
10 to the input components of the formulary rate, the non-
11 firm transmission service revenue credits accumulated
12 since the last update are reflected as a direct
13 reduction to the transmission O&M expense component of
14 the firm transmission service. This mechanism provides
15 a safeguard against over-recovery of costs that could
16 otherwise occur due to FERC's requirement in Order 888
17 that transmission charges be "unbundled" from economy
18 energy sales. In fact, Southern's annual update filing
19 on May 1, 1998 incorporated the required credit for non-
20 firm transmission revenues received during calendar year
21 1997 with the result being lower firm transmission rates
22 for use of Southern's (and therefore Gulf's)
23 transmission system from June 1, 1998 until the
24 effective date of the next update.

25

- 1 Q. How would you compare this FERC process of including
2 credit for non-firm transmission revenues in the annual
3 updates to Southern's firm transmission rate with the
4 requirement by the Florida Public Service Commission
5 (FPSC) that transmission revenues associated with
6 economy energy sales be credited to retail customers
7 through the fuel adjustment clause?
- 8 A. In principle, the two mechanisms are addressing the same
9 concern. In both cases, the respective commissions are
10 attempting to fashion a mechanism to protect against
11 possible over-recovery of costs that might otherwise
12 result in the short-term due to previously unanticipated
13 revenues associated with the newly unbundled
14 transmission charges. FERC's approach is to apply these
15 revenues as a credit against transmission costs as part
16 of the annual setting of transmission rates subject to
17 its jurisdiction. The FPSC's approach is to take these
18 same revenues and flow them directly to retail customers
19 through the fuel clause in order to avoid ". . . a
20 windfall for the seller." (Order No. PSC-98-0073-FOF-EI
21 at page 7) To the extent that Gulf or any other utility
22 is required to credit the same revenues in both
23 jurisdictions, ". . . it will obviously be forced to
24 credit more revenues than it receives." (Florida Power
25 Corporation Motion for Reconsideration at page 5)

1 Q. Is the fact that both the FERC and the FPSC are each
2 trying to address the potential of over-recovery by
3 essentially capturing the same revenues twice of any
4 concern?

5 A. In principle, yes. If both the FERC mechanism for
6 addressing the concern about potential over-recovery by
7 lowering transmission rates and the FPSC mechanism of
8 flowing the same revenues back to customers through the
9 fuel clause are in effect at the same time, the end
10 result would be harm to the selling utility's
11 shareholders due to under-recovery of costs. However,
12 due to circumstances that have arisen recently in a
13 docketed proceeding before the FERC involving Southern's
14 Open Access Transmission Tariff, it appears that the
15 potential that Gulf/Southern would prospectively be
16 crediting the same revenues twice will be avoided for
17 now.

18

19 Q. What has happened that has changed Gulf's concern on
20 this issue?

21 A. The FERC's docketed proceeding in which Southern's Open
22 Access Transmission Tariff is under review has several
23 intervenors who are seeking changes to Southern's
24 transmission rate tariff. Recently, the parties to that
25 docketed proceeding (including the intervenors, the FERC

1 staff and Southern) have reached agreement in principle
2 on a settlement that will, if approved, result in the
3 termination of the contested proceeding. Although the
4 settlement agreement has not yet been reduced to writing
5 and is still subject to review and approval by the
6 Administrative Law Judge assigned to hear the case and
7 the FERC itself, we believe that the settlement will
8 ultimately be approved. The net result of the
9 settlement will be that Southern's firm "open access"
10 transmission rates will be fixed for an undetermined
11 amount of time, and will not be subject to annual
12 updates for changes in investment, cost of capital,
13 expense or load components. The settlement, if
14 approved, also means that the non-firm revenue credits
15 will not be updated annually so long as the fixed rate
16 contemplated by the settlement agreement remains in
17 effect.

18

19 Q. How should Gulf Power Company allocate transmission
20 revenues associated with its sale of economy energy
21 between the retail and wholesale jurisdiction?

22 A. The Company continues to believe that any transmission
23 revenues received by the Company due to economy energy
24 transactions should be credited to operating revenues
25 rather than through the fuel clause. In this fashion,

1 the FPSC's surveillance mechanism would be used to
2 ensure that such revenues do not cause the Company to
3 over-earn. By crediting the revenues to operating
4 revenues, the Company avoids the prospect of having to,
5 in effect, give away the same revenues twice. However,
6 given the Commission's prior decision to credit such
7 transmission revenues through the fuel clause, and given
8 it is likely that for the foreseeable future the non-
9 firm transmission revenues received by Gulf will not be
10 flowed back to the FERC jurisdiction through annual
11 updates to Southern's firm transmission rates, Gulf's
12 only remaining concern relative to this issue involves
13 the use of a transmission-related jurisdictional
14 separation factor to allocate revenues between the
15 wholesale and retail jurisdictions. This concern is
16 addressed in the testimony of Gulf's witness S. D.
17 Cranmer.

18

19 Q. Does this conclude your testimony?

20 A. Yes.

21

22

23

24

25

1 **MR. KEATING:** Okay. And I've got one other
2 thing that was -- I believe I've talked to a few of
3 the parties about stipulating this, and I don't
4 believe there's an objection. It's the last exhibit
5 in your packet.

6 It's Staff's composite exhibit consisting of
7 Tampa Electric's Company's responses to Staff's Fifth
8 Set of Interrogatories and responses to Staff's First
9 Request for Production of Documents.

10 **CHAIRMAN GARCIA:** Is there an objection?

11 **MR. STONE:** No objection.

12 **CHAIRMAN GARCIA:** There being no objection,
13 we will give this Exhibit No. 3, and we will then rely
14 on your title-making abilities to give this a title.

15 **MR. KEATING:** We'll title that "Composite
16 Exhibit, Response to Staff's Fifth Set of
17 Interrogatories and Staff's First Request for
18 Production of Documents."

19 **CHAIRMAN GARCIA:** Very good.

20 (Exhibit 3 marked for identification and
21 received in evidence.)

22 **MR. STONE:** Commissioner, if I may. In
23 regards to what has been identified as Exhibit 2,
24 prior to the commencement of this hearing, I handed
25 out a late-filed deposition exhibit to that

1 deposition. I have extra copies for the parties. I
2 think it would be appropriate to either include it as
3 part of Exhibit 2 or give it a separate exhibit
4 number.

5 **CHAIRMAN GARCIA:** And these are addendums to
6 Exhibit 2?

7 **MR. STONE:** I would be satisfied with that.

8 **CHAIRMAN GARCIA:** I know you gave me
9 something. What does it show on the cover?

10 **MR. STONE:** It shows --

11 **CHAIRMAN GARCIA:** This Gulf Power letter
12 here?

13 **MR. STONE:** Well, no; it's the other one.
14 In the upper right-hand corner it says "Docket No. --

15 **CHAIRMAN GARCIA:** Have the parties seen
16 this?

17 **MS. KAUFMAN:** No, Commissioner, I haven't
18 seen it.

19 **CHAIRMAN GARCIA:** Before we do that, let's
20 do that; let's give Ms. Kaufman a copy. And Staff has
21 seen it. Is Staff all right with it?

22 **MR. KEATING:** Yes, we have a copy. This was
23 a late-filed exhibit we had requested at Mr. Howell's
24 deposition. And when we stipulated to have his
25 deposition moved into the record, we had assumed that

1 this late-filed exhibit would be included in the
2 deposition.

3 **CHAIRMAN GARCIA:** Ms. Kaufman, we'll let you
4 think about it and read it, and then when you feel
5 that you can let us put it in or you want to argue it,
6 we'll do it then. Okay? Very good.

7 Mr. Keating, anything else?

8 **MR. KEATING:** I don't believe there are any
9 other preliminary matters, unless the parties have any
10 to bring up.

11 **MR. CHILDS:** I have a preliminary matter.
12 Commissioners, our witness has been excused. The
13 material has been placed in evidence. I don't think
14 there's anticipated any surprise evidence being
15 offered. And I would respectfully ask to be permitted
16 to be excused from the hearing.

17 **CHAIRMAN GARCIA:** Well, seeing that the
18 intellectual level will be severely diminished by your
19 departure, I'm sure we can get along. You are
20 excused, I guess.

21 **MR. CHILDS:** Thank you.

22 **MR. BEASLEY:** Chairman, any objection?

23 (Laughter)

24 **MR. KEATING:** Chairman Garcia, one other
25 thing was brought to my attention --

1 **CHAIRMAN GARCIA:** If I get one, I'll grant
2 it. I don't know. (Laughter)

3 **MR. KEATING:** -- that we may also take
4 official notice of the amended order -- the amendatory
5 order amending our original order in this matter that
6 we've already taken official notice of.

7 **CHAIRMAN GARCIA:** And what do you want to do
8 with that?

9 **MR. KEATING:** Just to make sure that that's
10 taken official notice of as well.

11 **CHAIRMAN GARCIA:** I think that's stated
12 clearly into the record, but, nonetheless, we did it
13 one more time and we still had no objection. So show
14 that in the record.

15 **MR. KEATING:** Very good.

16 **CHAIRMAN GARCIA:** All right. Anything else?

17 **MR. KEATING:** That would be it.

18 **CHAIRMAN GARCIA:** Any other preliminary
19 matters from the companies or the parties? There
20 being none, our first witness is -- Slusser, is it;
21 the --

22 **MR. MCGEE:** And we will call Mr. Wieland in
23 Mr. Slusser's place.

24 **CHAIRMAN GARCIA:** Okay. Why don't we do
25 this. Mr. Wieland, if you'll just stand right there,

1 and we'll have Mr. Ritenour -- am I pronouncing it --
2 Ms. Ritenour. I'm sorry. If you'll stand up and
3 raise your right hand.

4 (Witnesses collectively sworn.)

5 **CHAIRMAN GARCIA:** Mr. Wieland, what we're
6 going to do is, one of our beloved attorneys -- and
7 it's rare to say that about attorneys -- is leaving
8 us, and so she is having a going away party at 10:00;
9 and so what we will do is, we will allow you to
10 begin -- what did the prehearing officer allow for?
11 Just a brief summary?

12 We will take the brief summary of this
13 party. We will allow you to move into the record, do
14 the preliminaries, and then we will go to questioning
15 after we take a short recess. All right.

16 **MR. MCGEE:** While Mr. Wieland is getting
17 ready, I should mention to you that at the prehearing
18 conference Mr. Burgess and I agreed to deleting a
19 portion of Mr. Slusser's -- it will now be
20 Mr. Wieland's testimony on Page 5, Lines 8 through 13,
21 should be shown as stricken.

22 **CHAIRMAN GARCIA:** Line -- page what? I'm
23 sorry, Mr. McGee.

24 **MR. MCGEE:** Page 5, lines -- the sentence
25 that begins in Line 8 and goes through the end of that

1 **Q** And will you adopt that testimony prefiled
2 by Mr. Slusser as your direct testimony for this
3 proceeding today?

4 **A** Yes.

5 **Q** Are you aware of any additions or
6 corrections, other than the deletion that we just
7 described, that need to be made to the testimony?

8 **A** No.

9 **MR. MCGEE:** Mr. Chairman, we'd ask that
10 Mr. Slusser's prepared testimony be inserted into the
11 record as the direct testimony of Mr. Wieland.

12 **CHAIRMAN GARCIA:** Very well; it will be.

13 **MR. MCGEE:** And that his two exhibits be
14 marked for identification. If you prefer to do that
15 as a composite, or --

16 **CHAIRMAN GARCIA:** I think it would be easier
17 to do as a composite. Mr. Keating shows me that that
18 would be Exhibit 4.

19 **MR. KEATING:** Yes.

20 **CHAIRMAN GARCIA:** And it's a composite
21 exhibit of -- I guess of exhibits of Mr. Slusser's
22 testimony, attached to Mr. Slusser. Is that all right
23 as a title for you Mr. Keating?

24 **MR. KEATING:** That will work, yes.

25 **CHAIRMAN GARCIA:** Okay. Good.

(Exhibit 4 marked for identification.)

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FLORIDA POWER CORPORATION
DOCKET NO. 980001-EI

Transmission Reconsideration

DIRECT TESTIMONY OF
WILLIAM C. SLUSSER, JR.

1 Q. **Would you please state your name and business address?**

2 A. My name is William C. Slusser, Jr. My business address is 100 Central
3 Avenue, CX1D, St. Petersburg, Florida 33701-3324.

4

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

6 A. I am employed by Florida Power Corporation ("Florida Power" or "the
7 Company") in the capacity of the Director of the Pricing Department.

8

9 Q. **What is the purpose of your testimony in this proceeding?**

10 A. The purpose of my testimony is: (1) to describe the treatment that is afforded
11 non-firm transmission service revenues in establishing the Company's firm
12 transmission rates subject to the jurisdiction of the Federal Energy Regulatory
13 Commission (FERC) and (2) to present a methodology for establishing the
14 portion of transmission revenues associated with economy transactions over the
15 Energy Broker Network that the Florida Public Service Commission (FPSC)
16 may treat as a revenue credit in establishing retail customers' fuel costs.

1 Q. Does the FERC require that revenue from non-firm transmission services
2 subject to FERC jurisdiction be reflected as a revenue credit in the
3 derivation of firm transmission service rates subject to FERC jurisdiction?

4 A. Yes. FERC's cost of service and rate-making practice has traditionally been to
5 credit non-firm revenues on a functional basis to the fully allocated cost
6 assigned to firm customers.

7
8 In past rate proceedings before FERC, Florida Power had always recognized
9 revenues for non-firm transmission service as a credit in establishing its firm
10 wholesale transmission rates. As a result of Order 888, the Company has
11 further identified its off-system non-firm sales as having both generation and
12 transmission components (whereas previously no separate transmission
13 component had been identified) and has included the transmission component
14 with all other non-firm transmission revenues as a credit in establishing firm
15 transmission charges in its compliance Open Access Transmission Tariffs filed
16 with FERC. The Company's current tariff, which is pending litigation at FERC
17 as Docket No. ER97-4573, became effective November 9, 1997, subject to
18 refund. The tariff includes a formula rate for establishing the Company's
19 annual transmission revenue requirement as a basis for firm transmission rate
20 development. The revenue requirement includes a credit for non-firm
21 transmission use, which pursuant to Order 888, must include the Company's
22 use. I have extracted from the tariff the formula rate and the application of

1 calendar year 1996 data in the formula as my Exhibit No. _____ (WCS-1) to
2 demonstrate the revenue credit treatment being afforded in FERC rate-making
3 for the Company's non-firm transmission use.

4
5 **Q. What is the status of FERC Docket No. ER97-4573?**

6 **A.** FERC encourages negotiated settlements of litigated dockets before them, and
7 the parties in the proceeding, in fact, have reached a settlement which is before
8 the FERC for their acceptance. Elements similar to those in the formula rate
9 were used to develop stated settlement rates.

10

11 **Q. Do all of your wholesale customers being provided transmission service
12 take service under Florida Power's Open Access Transmission Tariff?**

13 **A.** No, not as yet. Contracts with wholesale customers having bundled rate
14 service or transmission service agreements in place prior to Order 888 were not
15 abrogated by Order 888. The Company expects to amend those agreements in
16 time and place the transmission service under the Open Access Transmission
17 Tariff. When those prior agreements were established, traditional rate-making
18 practices were employed such that all identified non-firm revenues were
19 functionally credited to the firm customers' cost responsibility in establishing
20 their firm rate charges.

21

22 Those customers currently served under the Open Access Transmission Tariff

1 include customers served under the Company's previous Wholesale
2 Transmission Tariff, T-1, and all new or amended wholesale agreements
3 executed after Order 888.

4
5 **Q. How should Florida Power Corporation allocate transmission revenues**
6 **associated with economy transactions over the Energy Broker Network**
7 **between the retail and wholesale jurisdictions?**

8 **A.** Florida Power has for years consistently utilized a 12 CP methodology before
9 the FERC and the FPSC for establishing jurisdictional transmission cost
10 responsibility. A jurisdictional factor derived using this methodology should be
11 used to allocate transmission revenues associated with the economy transactions
12 over the Energy Broker Network between the retail and wholesale jurisdictions.

13
14 The 12 CP methodology establishes the firm loadings of the respective
15 jurisdictional customers at the time of each month's maximum loading on the
16 Company's transmission system for a twelve months period of time. The
17 respective twelve months' jurisdictional loadings form a basis for establishing a
18 percentage jurisdictional responsibility. My Exhibit No. _____ (WCS-2)
19 develops the jurisdictional responsibilities based on calendar year 1997 data as
20 an example. As a matter of practice, the most recent calendar year of load data
21 should be relied upon for developing the appropriate jurisdictional
22 responsibility factors.

1 **Q. How should the retail allocated revenues the Company realizes from**
2 **economy transactions be treated in establishing rates for its retail**
3 **customers?**

4 **A. For sales under existing economy sales agreements where the revenue has**
5 **simply been unbundled into generation and transmission components, the**
6 **appropriate jurisdictional portions of both the generation and transmission**
7 **components of economy sales should be treated as a credit to the retail**
8 **customer's fuel charge. ~~For any new economy agreement entered into after~~**
9 **~~Order 888 where a separate transmission charge is imposed in addition to a~~**
10 **~~generation transaction price, the jurisdictional portion of generation-related~~**
11 **~~revenues should be treated as a credit to the fuel charge and the jurisdictional~~**
12 **~~portion of transmission revenues should be treated as a revenue credit when~~**
13 **~~base rates are established.~~**

14
15 The above proposal results in similar ratemaking treatment as afforded retail
16 customers before FERC's unbundling requirement. It varies only by the
17 recognition that the transmission component of existing economy sales revenues
18 are treated as a credit on a more proper jurisdictional basis of transmission-
19 related responsibility.

20

21 **Q. What would be the result on Florida Power if the FPSC rejected the use of**
22 **a jurisdictional transmission cost factor as the basis for crediting**

1 **transmission revenues associated with economy transactions over the**
2 **Energy Broker Network to retail customers?**

3 A. If Florida Power must continue to credit the transmission revenues associated
4 with these transactions on an energy basis as generation-related credits are
5 treated, the retail customers would receive approximately 95% of these
6 revenues as a credit in retail rate-making on the basis of their jurisdictional
7 energy cost responsibility. As shown in my Exhibit No. _____(WCS-2),
8 wholesale transmission service customers are entitled to 25% of these revenues
9 under FERC cost of service and rate-making practices where an appropriate
10 jurisdictional transmission factor is employed. This obviously has a potential
11 revenue loss to the Company by crediting 20% more revenue than the
12 Company realizes from such transmission revenues.

13
14 **Q. Does the Company's suggested treatment change the basis for the existing**
15 **80% / 20% sharing of any gain realized by Florida Power in making an**
16 **economy sale?**

17 A. No, it doesn't. The 80/20 split still applies to the jurisdictional portion of all
18 revenues credited to the fuel clause from economy sales exceeding the
19 jurisdictional fuel cost incurred in making the sale.

20

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

22 A. Yes.

1 Q **(By Mr. McGee)** Mr. Wieland, would you
2 give us a summary of your testimony, please?

3 A Certainly.

4 Commissioners, I might start by saying that
5 this particular issue is probably one of the more
6 confusing and misunderstood dockets I've been involved
7 with for a while, and it's been dragging on forever.
8 So if you'll indulge me, I'll just go over a little
9 bit of the background and then try to just highlight
10 what we're here for.

11 To start with, the Commission has had a
12 long-standing policy of flowing back the so-called
13 gains on broker sales, the difference between our
14 costs and what we actually collect, back to the fuel
15 clause. And they've also had a policy in the past of
16 splitting those profits, at least the retail portion
17 of it, on an 80/20 basis with 80% going to the
18 ratepayers.

19 Now, the way the retail portion of this gain
20 has been determined in the past is to simply take the
21 entire gain, and since it was thought to be production
22 related, split it on an energy basis, which in Florida
23 Power's case is about 95% going to the retail
24 jurisdiction and about 5% to the wholesale
25 jurisdiction. And at the time, it seemed to make a

1 lot of sense, because the retail customers pay 95% of
2 the cost and the wholesale customers pay the other 5,
3 so that was very fair and equitable.

4 Well, along comes Order 888, and it in
5 essence says that you have to take this gain, that
6 same amount of money, and split it into two pieces.
7 You have to split it into a production piece and a
8 transmission piece.

9 The issue arose as to -- there never was an
10 issue about what to do with the production piece. We
11 would handle that in exactly the same way as it was
12 before. But the problem arose is, what do we do with
13 the transmission piece; and that really was the
14 subject of the initial docket.

15 The two things that were talked about is,
16 you know, should those revenues be flowed back through
17 the customer through a clause or should they be
18 credited through operating revenues the way these
19 types of transmission revenues have been treated in
20 the past.

21 The Commission ruling on that ultimately was
22 that they will be flowed back. And I would just like
23 to say, because I'm not sure the record is totally
24 clear on that, we have all the support of that; and
25 from day one Florida Power's position was that those

1 revenues should be credited back to the fuel clause.

2 The question is, why are we still here?

3 What (sic) we're here is because we have an issue with
4 how to determine the right jurisdictional amount to be
5 flowed back. The order that the Commission came out
6 with originally required that the same 95 to 5 energy
7 allocation be used to determine the jurisdictional
8 amount for these transmission revenues.

9 The problem we have with that is that the
10 FERC requires that transmission revenues be allocated
11 on a demand basis and, in fact, so does this
12 Commission. I mean, its just, you know, the way its
13 allocations are done. And in Florida Power's case
14 that makes a big difference, because Florida Power has
15 some very large transmission business on the wholesale
16 side, particularly because of companies like Seminole
17 and FMPA that pay for not 5%, but about 25% of the
18 total transmission charge.

19 So the retail customers are really only
20 paying for, through the cost allocation, about 25% of
21 all the transmission expenses -- about 75% of the
22 transmission expenses. The wholesale customers are
23 paying for the other 25. And, furthermore, FERC
24 requires that these transmission revenues, these
25 gains, be flowed back on that same basis.

1 So we find ourselves in a peculiar position
2 of having a requirement to flow 25% of these revenues,
3 these transmission revenues, through -- back to
4 wholesale customers, and the Commission order says 95%
5 has to go back to the retail customers.

6 Well, I don't -- you know, if you put those
7 together, that's 120%, meaning that for every \$100 we
8 collect, we are required to pay out 120.

9 Now, we don't think that that was the intent
10 of the Commission originally. We certainly don't
11 think that's the fair way of doing it. And the
12 testimony basically outlines what these issues are and
13 suggests that the easy way to fix those is to simply
14 adopt the right separation factors for those
15 transmission revenues.

16 That concludes my summary.

17 **COMMISSIONER CLARK:** Mr. Wieland, but then
18 when you flow it back, do you flow -- I'm assuming
19 you're saying that 25% then should go to the
20 wholesale --

21 **WITNESS WIELAND:** Yes.

22 **COMMISSIONER CLARK:** -- and 75% to the
23 retail. But the flow-through should be through the
24 energy --

25 **WITNESS WIELAND:** It's through the fuel

1 clause --

2 **COMMISSIONER CLARK:** Fuel adjustment.

3 **WITNESS WIELAND:** Yes, absolutely.

4 **COMMISSIONER CLARK:** Thank you.

5 **CHAIRMAN GARCIA:** Mr. McGee?

6 **MR. MCGEE:** Did you want to entertain --

7 **CHAIRMAN GARCIA:** I wanted to see how much
8 time of questions the parties had, because if we could
9 finish now, we might want to take it up. Obviously
10 you have none.

11 Do you, Public Counsel?

12 **MR. BURGESS:** I have a few questions.

13 **CHAIRMAN GARCIA:** Five minutes?

14 **MR. BURGESS:** Five minutes maybe.

15 **CHAIRMAN GARCIA:** Okay. Why don't we go
16 ahead and start, since we've got a few minutes.

17 **CROSS EXAMINATION**

18 **BY MR. BURGESS:**

19 Q Mr. Wieland, do you have any opinion as to
20 whether the treatment accorded this particular item
21 should be consistent from across the four major IOUs
22 that are regulated by the Public Service Commission?

23 A Yes, I think it should be consistent. Now,
24 my understanding is that some of the other
25 investor-owned utilities agree with us in principle,

1 but they said it's not a material issue.

2 I guess we're here on two fronts. I mean, I
3 think we could say that, you know, in terms of the
4 dollar volume, it's really not a material issue for
5 Florida Power, but I think it just ought to be done
6 right.

7 Q So you would agree that whatever the
8 Commission does, it should do the same to all four
9 utilities?

10 A Yes.

11 Q And can you tell me approximately the dollar
12 effect of making the change that Florida Power Corp is
13 seeking for, say, the most recent six-month fuel
14 period?

15 A Well, I can tell you that for the April
16 through September of '98 -- which I think is a number
17 that I recall from the interrogatories -- the total
18 difference between what Staff's order originally was
19 and what Florida Power is proposing, in the
20 neighborhood of \$16,000.

21 So, you know, if you assume that it's about
22 the same the rest of the year, then on an annual basis
23 we're talking about perhaps \$30,000 a year. So it's
24 not a -- and, again, it's not a material issue.

25 I think it's just an issue that probably

1 ought to be done right simply because sometime down
2 the road, you know, that same issue may come up in
3 another area, and once things get mixed up they tend
4 to take longer to untangle down the road than to do
5 them right in the first place. But it's not a large
6 monetary issue.

7 **MR. BURGESS:** Thank you, Mr. Wieland.
8 That's all I have.

9 **CHAIRMAN GARCIA:** Ms. Gordon-Kaufman?

10 **MS. KAUFMAN:** I have a couple questions.

11 **CHAIRMAN GARCIA:** Okay. Let's give it a
12 try.

13 **CROSS EXAMINATION**

14 **BY MS. KAUFMAN:**

15 **Q** Mr. Wieland, in this case your testimony
16 only addresses existing agreements, right; existing
17 economy sales agreements?

18 **A** Yes. We're talking about strictly
19 agreements that were unbundled under the FERC order,
20 not open access tariffs or anything like that; right.

21 **Q** Okay. So these existing agreements, they do
22 not have what I will characterize as a separate
23 transmission charge, correct?

24 **A** That's right.

25 **Q** And let's say you got one of these existing

1 agreements and you receive a pot of dollars.
2 Essentially what you're saying is that you want to
3 divide the dollars differently than you had previously
4 done under these contracts, correct?

5 A That's right; and it's because previously,
6 prior to FERC Order 888, there were no transmission
7 charges.

8 Q Okay. But my question is, even under these
9 existing agreements that we're talking about, there is
10 not really a separate charge imposed for transmission,
11 right?

12 A No. It is exactly the same amount of
13 money. It's simply divided into two pieces.

14 MS. KAUFMAN: Thank you. That's all I have.

15 CHAIRMAN GARCIA: This is going really well.
16 Go ahead.

17 COMMISSIONER CLARK: I don't understand what
18 you mean by existing agreements, because I thought we
19 were talking about economy broker sales; and I thought
20 that was just something you did on an hour-by-hour
21 basis.

22 WITNESS WIELAND: Yes, that's right. I
23 think Ms. Kaufman is probably referring to the
24 transmission agreements and the interexchange
25 agreements that make those things possible.

1 **COMMISSIONER CLARK:** I understand that. I
2 didn't know you would have any contracts to make
3 exist -- economy sales that were long-term contracts.
4 I thought you just made them on an hour-by- hour
5 basis.

6 **WITNESS WIELAND:** They are. But there are
7 contracts in place that essentially say more than --
8 no more than we agree to make sales if and when it
9 makes sense. So there's actually contracts that, you
10 know, don't require anyone to sell anything at any
11 particular time. They just simply provide a framework
12 for making those changes. But there's no -- you know,
13 it is no more than a contract that basically allows
14 you to make --

15 **COMMISSIONER CLARK:** Broker sales.

16 **WITNESS WIELAND:** -- broker sales if and
17 when it's appropriate for both parties. There's no
18 requirement to make sales, no maximums, no -- you
19 know, it's just something that --

20 **COMMISSIONER CLARK:** Do you have to have
21 those contracts to participate in the broker system?

22 **WITNESS WIELAND:** I believe so.

23 **COMMISSIONER CLARK:** Well, you learn
24 something new every day. Thanks.

25 **CHAIRMAN GARCIA:** I always come to work

1 anxious. How many questions do you have?

2 **MR. KEATING:** We probably have about 10
3 minutes of questions.

4 **CHAIRMAN GARCIA:** Okay. I think we can
5 afford to be a little bit late, so go ahead and start.

6 **COMMISSIONER CLARK:** Well, while he's
7 looking, so when you then enter -- you have entered
8 into new contracts, and those new contracts split out
9 the transmission and the generation costs?

10 **WITNESS WIELAND:** Yes. In fact, one of the
11 reasons that the amount of money we're dealing with
12 here is relatively small is because if you look at our
13 history over the last, I'd say, two years, the
14 majority of these, you know, so-called economy sales,
15 nonfirm transactions, you know, whatever, day-by-day
16 week-by-week type transactions are actually taking
17 place outside the broker system; and all of those have
18 transmission agreements under FERC Order 888. They're
19 unbundled, and there's actually a production charge
20 and a transmission charge for those.

21 It's only the broker which is becoming a
22 smaller and smaller piece where this issue really
23 applies and where we at this stage have not added a
24 separate transmission charge. You know, we've simply
25 unbundled the charge that's there.

1 **MR. KEATING:** And I believe this is in the
2 Commissioners' packet. It has the witness listed as
3 Karl Wieland and it's a one-page exhibit.

4 **WITNESS WIELAND:** Yes, I have it.

5 **CHAIRMAN GARCIA:** Do you want to give it an
6 exhibit number?

7 **MR. KEATING:** Yes. If we could have that
8 marked, I believe, as Exhibit No. 5.

9 **CHAIRMAN GARCIA:** Okay. Short title.

10 **MR. KEATING:** "A Summary of Florida Power
11 Corporation's Proposed Regulatory Treatment of Broker
12 Sales."

13 **CHAIRMAN GARCIA:** Okay.

14 (Exhibit 5 marked for identification.)

15 **Q** **(By Mr. Keating)** I'd just like to walk
16 through that exhibit to verify Staff's understanding
17 of the proposed methodology.

18 The exhibit is based on a \$30 buy quote, a
19 \$20 sale quote, and a \$3 transmission charge, with the
20 transaction price at \$25.

21 Is it correct that the transaction price,
22 assuming this is a sale by Florida Power Corporation,
23 is \$25 both before and after the FERC requirement to
24 unbundle transmission charges from economy sales?

25 **A** Yes, that's right.

1 **Q** Could you please briefly explain how the \$5
2 gain from the example sale was separated prior to the
3 FERC order?

4 **A** Prior to the FERC order, \$5 was, first of
5 all, separated on an 80/20 basis; so essentially \$4
6 went to customers on a system basis and \$1 went to the
7 shareholder. Those two amounts, though, were
8 ultimately jurisdictionalized to where 95% of each one
9 of those amounts would go to the jurisdiction, and I
10 think the arithmetic on here basically shows that.

11 **COMMISSIONER CLARK:** Mr. Wieland, you sort
12 of glossed over something. You need to go absolutely
13 step by step on this for me.

14 **WITNESS WIELAND:** Okay. Starting with
15 the \$5, the first step was to multiply that times .8;
16 take 80% of it, which is 4.

17 Then the \$4 was still on a system basis;
18 wholesale and retail, in other words. And that then
19 was separated into the two jurisdictions by this
20 energy allocation factor, which in the past was
21 approximately 95% retail and 5% wholesale.

22 So the \$4 would then get multiplied times
23 .95, and that's the amount that went to the fuel
24 clause, which is, I believe -- let me just verify
25 that -- the \$3.80 that's shown at the very bottom of

1 the first column -- or the second column, I guess with
2 the numbers on it. (Pause) Right.

3 So if you look at the very bottom where it
4 says "After the 80/20 Split," prior to 888, \$3.80 went
5 to jurisdictional or retail ratepayers through the
6 clause, and 95 cents went to Florida Power's
7 shareholder as part of this 80/20 sharing or incentive
8 arrangement. The balance of the \$5 went to wholesale.

9 Q (By Mr. Keating) So if I understand it
10 right, the bottom line, if you look at our exhibit,
11 the column titled "Before Order 888," and down the
12 last few rows on that exhibit where it's titled "After
13 the 80%/20% Split," the amounts that are listed there,
14 are those the amounts -- under your calculation, are
15 those the same amounts?

16 A Yes.

17 Q Now if you could look at the next column on
18 that exhibit regarding Florida Power Corporation's
19 treatment of these revenues after the FERC order.

20 Could you explain how the \$5 is separated in
21 your proposal after the FERC unbundling requirement?

22 A Okay. I'll just try to walk down the
23 schedule line by line. I think that may be the
24 easiest way to get there.

25 We start off with taking the -- splitting

1 the \$5 into the two new pieces; \$2, which is
2 production related, and \$3 which is transmission.

3 We start with the \$3 and jurisdictionalize
4 that using the transmission separation, because it's a
5 transmission revenue. So the retail portion of the \$3
6 is 75% of 3, or \$2.25, which is on that first row
7 underneath "Jurisdictional Treatment". The balance of
8 it, the 75 cents, is the wholesale piece.

9 Furthermore, we take the production margin,
10 which is the \$2, and multiply it times the production
11 separation factor, which is 95%. So \$2 times .95 is
12 the \$1.90 that you see on the third row. And again,
13 the 10 cents is the wholesale piece of that. So when
14 you add all those numbers up, that should be five
15 bucks.

16 Q And this is how you are --

17 A We don't stop here yet. I was just --

18 Q Okay.

19 A But to -- if you look at just the retail
20 side of it then, focusing just on retail, you have
21 \$2.25, which is the transmission piece, and \$1.90,
22 which is the production piece, which gives you a total
23 of \$4.15. That is then what is multiplied times this
24 80/20, which you actually see down at the very bottom
25 again where it says "After 80/20 Split".

1 You take the \$4.15; 80% of it is \$3.32,
2 which flows to retail ratepayers, and 20% is the
3 83 cents, which goes to -- which becomes the
4 stockholder incentive.

5 So when you contrast that before and after,
6 before and after FERC Order 888, retail customers were
7 getting \$3.80 that would now get \$3.32. The
8 stockholder incentive was 95 cents. It is now
9 83 cents. So both the customer and the stockholder
10 are getting a little bit less than that.

11 And if you wonder, well, who is getting the
12 other piece, well, the wholesale jurisdiction is
13 getting a little bit more, and simply because prior to
14 that they were getting 95% -- were getting 5% of the
15 transmission, now they're getting 25%.

16 So that the total dollars that are being
17 split up, you're still dealing with the five bucks,
18 but they're -- because of the FERC mandate, more of it
19 is allocated to the wholesale jurisdiction simply
20 because they are now transmission dollars; and the
21 wholesale jurisdiction pays a lot higher proportion of
22 transmission costs and, therefore, they're entitled to
23 a higher proportion of the revenues.

24 Q So, Mr. Wieland, would you say that the
25 exhibit that Staff has prepared accurately reflects

1 how Florida Power Corporation would treat these
2 transactions before and after the FERC order?

3 **A** Yes.

4 **COMMISSIONER CLARK:** Mr. Wieland, I have a
5 question. Do you know that the other companies do
6 quote on the buyer the same way you do?

7 I seem to recall that FPL, when they quoted
8 on the system their costs would be -- you know, they
9 quote their costs to produce it and they add on to it
10 the transmission cost. So it struck me that we were
11 not comparing apples to apples in this situation.

12 **WITNESS WIELAND:** No, we're probably not,
13 Commissioner; because I remember all of those
14 discussions, and there was clearly -- and, in fact,
15 one of the reasons this docket is so confusing is
16 because we had four utilities, and we ultimately had
17 four different positions.

18 And two of the positions were, you know,
19 should you give it back to the fuel clause or credit
20 it to operating revenues. I think that all got
21 settled. The one I found more confusing is, you know,
22 can you actually charge more for these transactions
23 than before.

24 And I think Florida Power's position and, I
25 believe, TECO's was that, no, the FERC does not allow

1 that. And I do recall language that says, no, you
2 can't really charge any more without having a formal
3 transmission filing.

4 I think FPL and Gulf took the opposite role.
5 And I'm not sure quite honestly whether -- in fact, I
6 know for sure it hasn't been resolved, because all of
7 those issues are still before FERC and none of them
8 have been worked out.

9 But you're absolutely right. There are --
10 FPL is -- and that's my recollection -- is actually
11 charging a transmission charge, a separate charge that
12 it didn't charge before. Now, whether that will --
13 how that will actually work out in front of FERC, I
14 certainly wouldn't know, but they are doing it
15 differently.

16 **COMMISSIONER CLARK:** Well, if our objective
17 in the broker was to have the least cost -- I don't
18 know whether you would say it was the least cost to
19 produce and deliver it or just the least cost to
20 produce, it strikes me that everybody ought to be
21 doing it the same way.

22 **WITNESS WIELAND:** Yes, I would agree with
23 that. I think ultimately that's preferable, but I
24 don't -- you know, I'm not sure that -- I certainly
25 don't know how to resolve that, because that's -- you

1 know, that gets into FERC issues that, frankly, I'm
2 not that familiar with.

3 And at this stage, you know, FERC not having
4 made any rulings, we don't really know what they're
5 going to say. We still think and we're still of the
6 opinion that without going through a formal
7 Section 205 rate case, that we are not allowed to
8 charge more.

9 **COMMISSIONER CLARK:** Let me ask you this:
10 If we had a single rate, if we -- if FERC -- let me
11 just say, if we had a single rate for whatever reason
12 for transmission in Florida, would that then solve
13 this problem, because presumably everybody would have
14 the same transmission component?

15 **WITNESS WIELAND:** Are you talking about if
16 all of the retail rates were unbundled as well, or
17 just --

18 **COMMISSIONER CLARK:** No. If you had no
19 pancaking of rates for transmission, if you had just
20 one rate, would that solve this problem?

21 **WITNESS WIELAND:** I'm not really sure,
22 Commissioner, because it's --

23 **COMMISSIONER CLARK:** No, it wouldn't,
24 because --

25 **WITNESS WIELAND:** -- the issue, the way I

1 understand it, is not so much whether the rates
2 themselves are right; it's to whether you can actually
3 charge more for this particular unbundling.

4 **COMMISSIONER CLARK:** Okay.

5 **WITNESS WIELAND:** But, you know, I presume
6 one way to solve the confusion is for all of the
7 utilities to file new transmission tariffs, but, you
8 know, at this stage I don't think we have any reason
9 to do that.

10 **COMMISSIONER CLARK:** Well, let me ask you
11 another question. We're having workshops on
12 transmission type issues, and is this something that
13 should be addressed in that forum?

14 **WITNESS WIELAND:** I don't really know,
15 Commissioner. I know those are going on. I've not
16 been that involved with those transitions -- so I'm
17 not really sure it belongs there.

18 **COMMISSIONER CLARK:** Let me ask Staff; I
19 mean, are we looking at how the broker system
20 functions and if there are changes that need to be
21 made to it, or --

22 **MR. KEATING:** In this proceeding?

23 **COMMISSIONER CLARK:** No.

24 **MR. KEATING:** I'm sorry.

25 **COMMISSIONER CLARK:** In general.

1 **MR. BALLINGER:** We're always looking at it.
2 Personally, I think there are some changes that need
3 to be done to it. We're not quite sure of the forum
4 to bring that up.

5 **COMMISSIONER CLARK:** Okay.

6 **MR. BALLINGER:** I don't know that the
7 transmission workshop that you mentioned would be a
8 place for this type of thing. This is more of an
9 accounting issue, I believe, that we're dealing with
10 today of FERC requiring one thing and the PSC
11 requiring maybe something else.

12 **COMMISSIONER CLARK:** See, I don't see it as
13 just an accounting issue. To me, is it appropriately
14 priced on the broker system so you carry out the
15 theory of having the least cost generation being the
16 next generation that's on line.

17 **MR. BALLINGER:** That's the second issue, is
18 should there be equality or consistency amongst the
19 four to get that --

20 **COMMISSIONER CLARK:** Right.

21 **MR. BALLINGER:** -- premise of the broker.

22 **COMMISSIONER CLARK:** Right. Well -- okay.
23 We can't resolve it here.

24 And I'm somewhat comforted by the fact,
25 Mr. Wieland, that you say we're not talking about a

1 whole lot of money here.

2 **WITNESS WIELAND:** No, we're not.

3 **Q (By Mr. Keating)** On that note, TECO,
4 Florida Power & Light and Gulf have provided
5 information in this proceeding that the dollar impact
6 of separating the transmission revenues from broker
7 sales are based on a transmission related separations
8 factor is minimal, I think less than \$3,000 for a
9 six-month period, for each of these utilities.

10 You may have covered this in your summary.
11 Could you tell why the dollar impact is larger for
12 Florida Power Corporation?

13 **A** I'm sorry. Why the dollar impact is larger?

14 **Q** Yes.

15 **A** Well, there are two reasons, really. I
16 think the single largest reason is because Florida
17 Power has a substantial amount of wholesale
18 transmission business, but creates the differences
19 that we serve all of the transmission needs of
20 Seminole Electric Cooperative and Florida Municipal
21 Power Association, FMPA, both of which have sizable
22 generation assets of their own.

23 So we provide their transmission, but we do
24 not provide any production, or at least not all of
25 their production.

1 And so if you look at the total production
2 system that we have, that's why 95 or more percent of
3 that is dedicated to the retail business. But on the
4 transmission basis, since we serve all of these large
5 transmission customers, it turns out to be that, you
6 know, that they shoulder 25% of the cost and the
7 retail business is only 75. That is the single
8 largest reason.

9 The other reason is just the fact that in
10 many cases demand allocators tend to be different from
11 energy allocators. But it's the fact that we have a
12 lot of wholesale transmission business, I would say,
13 is the single largest factor.

14 Q In Mr. Slusser's prefiled testimony, he
15 discusses 80/20 sharing of gains on economy sales.
16 You've adopted his testimony.

17 Does that testimony refer to all economy
18 sales, or just those sales made on the Broker Network?

19 A The testimony and the phrasing "economy"
20 strictly relates to EBN economy sales, those sales
21 that actually flow through the so-called Florida
22 broker sales; and in my understanding is that that is
23 what this entire docket was restricted to.

24 Q Are there any other types of economy
25 transactions that Florida Power Corporation makes

1 outside the Energy Broker Network?

2 A Yes, there are. And, in fact, I think I
3 mentioned earlier that the volume of economy type
4 sales are much larger off broker than they are on
5 broker; and, you know, they're sales that -- we call
6 them economy simply for lack of a better term, I
7 guess, but they are not necessarily hourly sales.

8 They could be, you know, sales that are made
9 anywhere from an hour to several hours to several days
10 to perhaps a week. So they're of a different nature
11 than the broker sales. But that's by far where the
12 largest volume is. But they are not firm sales that
13 are required to serve somebody else's load, for
14 example. They're still sales that are done because
15 they make sense for the buyer to buy for economic
16 reasons.

17 Q Are there certain types of these sales that
18 you could identify, or is it sort of a general --

19 A Well, if you look at the A schedules -- in
20 fact, let me just pull one of those out for a moment.
21 Maybe I can give you some names. (Pause) I'm not
22 sure I have any with me.

23 But we have sales that are under a tariff
24 called "OS," which is Opportunity Sales, and it's a
25 general tariff that's filed with FERC that basically

1 says that we'll make sales under, you know, certain
2 ceiling prices. And they're typically -- one of the
3 major differences is that they are not cost based. In
4 other words, the Florida broker is a split-the-savings
5 arrangement between the seller's incremental cost and
6 the buyer's decremental cost.

7 Most of these sales are just done on the
8 market prices. Whatever a purchaser is willing to
9 buy, that's the price that's agreed on. So the OS
10 opportunity sales tariff is one.

11 I think there's another that -- whose name
12 escapes me offhand, that falls in that category. But
13 they are not -- whereas the EBN broker are all sold
14 under so-called Schedule C, which is the original
15 broker tariff.

16 Q Are the transmission revenues from these
17 nonbroker economy transactions treated the same as the
18 revenues from the broker transactions?

19 A No, they're not, because there are actually
20 transmission revenues that are collected for those
21 sales under -- and they are all made under FERC
22 Order 888, the open access -- I mean, the open access
23 tariff that was developed after FERC Order 888 and
24 those revenues are treated like all nonfirm revenues
25 have been treated forever -- for as long as I can

1 remember. They're all a credit to operating revenues
2 and, you know, the Commission has dealt with those
3 revenue credits in the same way for all time, as far
4 as I know.

5 Q Has FERC required that a transmission charge
6 be unbundled from these types of economy sales?

7 A Yes.

8 Q According to FPL's Witness Dubin, and I'm
9 just going to refer to -- I think we moved her
10 deposition into the record -- according to her
11 deposition, FPL credits all revenues in excess of fuel
12 costs for nonbroker economy sales to the capacity
13 clause and separates the revenues based on demand.

14 Does this differ from your treatment of
15 revenues for nonbroker economy sales in any way?

16 A Yes, and no. In previous years, up until
17 recently, we have treated those through the fuel
18 clause much like the broker sales. But beginning this
19 year, in basically just thinking about it more, we
20 felt it was more appropriate to flow them through the
21 capacity clause, because they are capacity and demand
22 related sales. So we'll be -- we are planning on
23 treating it the same way FP&L is treating it beginning
24 with January's filings.

25 Q Do you have an exact or an approximate

1 percentage of Florida Power Corporation's total
2 economy sales revenues as compared to economy sales
3 made over the Energy Broker Network? I know you've
4 mentioned that the Broker Network is just a small part
5 of that.

6 **A** I don't have an exact number and, of course,
7 it's changed over time; but I would say that the
8 broker sales constitute somewhere in the neighborhood
9 of 10% or perhaps a little bit more of the total
10 sales. You know, the vast majority of them have been
11 non -- off broker.

12 **Q** What is the status of the open access
13 transmission tariff that Power Corporation has filed
14 with FERC?

15 **A** My understanding is that it's filed, it's in
16 effect; but I don't know that we've received final
17 approval from the FERC yet.

18 **COMMISSIONER CLARK:** I'm a little confused.
19 Is this the one you filed and you settled with the
20 parties and you're just waiting for them to confirm
21 it?

22 **WITNESS WIELAND:** No. That, I believe,
23 is -- well, I'm getting into an area that I'm not as
24 familiar as I should be. But I understand that the
25 settlement, I think that's been -- I think it's been

1 approved. Maybe I can get a -- I'm getting a nod from
2 our transmission expert here. Yes.

3 The open access tariff is -- also approved.
4 So I stand corrected.

5 **COMMISSIONER CLARK:** Okay.

6 **Q (By Mr. Keating)** Does that tariff include
7 crediting nonfirm transmission revenues in the
8 calculation of firm transmission rates?

9 **A** Well, I'm not sure that the tariff per se
10 does that. The tariff, I think, just specifies what
11 is to be charged.

12 But in going through the rate cases, FERC
13 requires -- and it's part of the FERC language -- they
14 require that nonfirm transmission sales be credited
15 back to transmission revenues; or be credited back to
16 those customers, I guess I should say; but that's a
17 FERC Order 888 requirement rather than a tariff
18 requirement.

19 **COMMISSIONER CLARK:** Well, let me ask you
20 this: When you develop the rates for the firm
21 transmission, do you estimate how much revenue you
22 would get from nonfirm so your rates are adjusted that
23 way?

24 **WITNESS WIELAND:** Yes, we do; that's right.
25 In fact, Commissioner, I know we haven't had a rate

1 case in a long time, but the retail commission does it
2 exactly the same way. When you look our total cost of
3 service, there is a revenue credit for wheeling, as we
4 call it, or nonfirm transmission charges.

5 **COMMISSIONER CLARK:** Yes.

6 **Q (By Mr. Keating)** I'm hoping you can
7 answer this question for me. At Mr. Slusser's
8 deposition, at which I think you were present at --

9 **A** Yes.

10 **Q** -- he discussed the actions by Florida Power
11 Corporation and other utilities to make economy sales
12 outside the Energy Broker Network.

13 Could you briefly describe how these
14 nonbroker sales are arranged between utilities?

15 **A** Well, we have a fairly active power
16 marketing department that really is in charge of doing
17 that, and essentially they work much like any other
18 broker operation.

19 They have computers. They have -- you know,
20 they're constantly in touch. They look at -- you
21 know, they're both in verbal and by computer
22 communication with other companies, not only here in
23 Florida, but outside of Florida, and are constantly
24 buying and selling energy that, you know, falls into
25 that economy transaction.

1 So, you know, in some instances companies
2 will just call and ask us if they have anything -- if
3 we have anything to sell. In some cases they're -- I
4 don't think I'd call them RFP's, but they're
5 basically, you know, posting prices that people are
6 willing to sell for.

7 So it's a -- you know, it's a fairly -- it's
8 a very open market where a lot of communication takes
9 place between all the parties, and the arrangements
10 are just made basically over the phone between
11 brokers. And we do both our buying and selling that
12 way.

13 Q Do you expect that these types of off-broker
14 economy sales will start to edge out or reduce the
15 sales that are made by Florida Power Corporation on
16 the Broker Network?

17 A Well, I think they already have. I mean, if
18 you compare -- and, in fact, I've done that out of
19 curiosity -- if you go back a couple years and just
20 look at our A schedules that we filed and, you know,
21 look at broker versus nonbroker sales, it used to
22 be -- even four years ago it used to be 90% broker and
23 maybe a little piddling of other things; and now it's
24 basically the other way around.

25 Q Do you expect that trend to continue?

1 **A** Yes, although it's -- I mean, I -- you can't
2 really go much beyond 90% without wiping out broker
3 sales altogether; and I don't think they're going to
4 go away. So we may already have reached a -- you
5 know, sort of a level, a new level.

6 **Q** In Florida Power Corporation's response to
7 Staff Interrogatory No. 13, you describe -- I believe
8 it was you that responded to those interrogatories --
9 you describe the necessary changes to the A and E
10 schedules that would be necessary if the Commission
11 chose to require the separation of transmission
12 revenues from economy sales based on demand.

13 **A** Right.

14 **Q** What would be involved in making the
15 administrative changes on these schedules?

16 **A** Very little. I mean, it's basically just
17 you're adding a line to a form and --

18 **Q** I guess I'll be a little more specific. In
19 terms of time involved, and money involved.

20 **A** Time, I would say an hour or less. Money,
21 nothing that I could identify.

22 **MR. KEATING:** Okay. Thank you. I don't
23 have any more questions for Witness Slusser or --

24 **MR. BURGESS:** Commissioner, we just received
25 this -- I mean, we've seen various versions of it, but

1 this schedule that was presented and discussed in
2 cross-examination by Staff.

3 May I ask a couple of questions with regard
4 to the schedule?

5 **CHAIRMAN GARCIA:** Absolutely.

6 **FURTHER EXAMINATION**

7 **BY MR. BURGESS:**

8 **Q** Thank you. As I understand it, Mr. Wieland,
9 from looking at this, that the transmission portion
10 that would be carved out subsequent to 888 would also
11 receive an 80/20 split; is that correct?

12 **A** Yes.

13 **Q** What's the justification for that?

14 **A** Simply because the entire \$5 has gotten the
15 80/20 split before, and I don't know that the
16 Commission ever intended to change that.

17 **Q** But there was never -- when the Commission
18 decided 80/20 split, they didn't envision that any of
19 that differential was a cost coverage, did they?

20 **A** Was a cost coverage?

21 **Q** My understanding is that the reason that you
22 need to use 75% now as opposed to the 95% is it covers
23 a specific cost, and that is transmission cost.

24 So what I'm asking is, how then do you
25 justify an 80/20 split on it if it's to cover a

1 specific cost?

2 **A** I'm not really sure I'd say "cover a
3 specific cost". And FERC basically said that you take
4 that same amount of money and you have it put it into
5 two different buckets and give it back to the
6 jurisdictions accordingly.

7 I mean, the company is not incurring any new
8 costs because of that, and so I don't know that there
9 was -- you know, that anyone has been suggesting that
10 the 80/20 doesn't still apply to the entire amount of
11 money; although, you know, as this exhibit shows when
12 you work through it all, that 20% that the company was
13 going -- was getting before was more than it is
14 getting now because of the -- just the changes in the
15 arithmetic. But there's been no discussion in this
16 docket that I recall that, you know, said that the
17 80/20 should only apply to the production piece.

18 **Q** I know, but I think it runs -- wouldn't you
19 agree that it runs counter to the same logic that you
20 use for the need to apply the 75% separation factor
21 because it is now a transmission cost as opposed to a
22 margin or a profit?

23 **A** No. I think those are two entirely separate
24 issues. You know, the 80/20 was from day one simply
25 meant to be an incentive to companies to do more of

1 those kinds of sales. And that was -- I'm not sure
2 how far it goes back, but it's been a long ways.

3 And, you know, I'm not sure that when that
4 80/20 was discussed there was any particular worry
5 about, you know, how these things get
6 jurisdictionalized. It was simply meant to be an
7 incentive and something that the Commission thought it
8 was the right thing to do at the time. I don't know
9 that this particular FERC order really changes any of
10 that.

11 **MR. BURGESS:** Thank you, Mr. Wieland. Thank
12 you, Mr. Chairman.

13 **CHAIRMAN GARCIA:** Okay.

14 **MR. MCGEE:** No redirect.

15 **MR. KEATING:** Mr. Chairman, Staff requests
16 that Exhibit No. 5 be moved into the record.

17 **CHAIRMAN GARCIA:** There being no objection,
18 5 is moved into the record.

19 (Exhibit 5 received in evidence.)

20 **MR. MCGEE:** And Florida Power would request
21 that Exhibit 4 be moved in.

22 **CHAIRMAN GARCIA:** Very good. Exhibit 4 is
23 moved in.

24 (Exhibit 4 received in evidence.)

25 **MR. KEATING:** And at this time Staff would

1 also like to see if we can have marked for
2 identification the exhibit that's in your packet.

3 It's a composite exhibit. It consists of
4 the deposition of William Slusser and Florida Power
5 Corporation's responses to Staff's Third Set of
6 Interrogatories. It's my understanding that we may be
7 able to stipulate this information into the record.

8 **UNIDENTIFIED SPEAKER:** (Away from
9 microphone.) We have no --

10 **CHAIRMAN GARCIA:** There doesn't appear to be
11 any, so it is stipulated into the record. And do we
12 still give it an exhibit number? Let's go ahead.

13 **MR. KEATING:** This was Exhibit 6.

14 **CHAIRMAN GARCIA:** Exhibit 6.

15 **MR. KEATING:** With the name "Composite
16 Exhibit, Deposition of William Slusser and Responses
17 to Staff's Third Set of Interrogatories."

18 (Exhibit 6 marked for identification and
19 received in evidence.)

20 **CHAIRMAN GARCIA:** Very good. Well,
21 Mr. Wieland, I believe you are excused.

22 (Witness Wieland excused.)

23 **MR. STONE:** Chairman Garcia, Commissioners,
24 Ms. Ritenour is taking the stand, and she has
25 previously been sworn.

SUSAN D. RITENOUR

1
2 was called as a witness on behalf of Gulf Power
3 Company and, having been duly sworn, testified as
4 follows:

DIRECT EXAMINATION

5
6 **BY MR. STONE:**

7 **Q** Would you please state your name for the
8 record?

9 **A** My name is Susan Ritenour.

10 **Q** And are you the same Susan Ritenour that
11 prefiled direct testimony dated January 27, 1999, in
12 this proceeding?

13 **A** Yes.

14 **MR. STONE:** For the record, Ms. Ritenour's
15 testimony prefiled on January 27 was a revision to her
16 testimony that had been filed earlier, in October.

17 **Q** **(By Mr. Stone)** If I were to ask you the
18 questions contained in your prefiled direct testimony
19 dated January 27, 1999, would your responses be the
20 same?

21 **A** Yes.

22 **MR. STONE:** We'd ask that her testimony be
23 inserted into the record as though read.

24 **CHAIRMAN GARCIA:** Okay.
25

1 GULF POWER COMPANY

2 Before the Florida Public Service Commission
3 Prepared Direct Testimony of
4 Susan D. Ritenour
5 Docket No. 990001-EI
6 Transmission Reconsideration
7 Date of Filing: Revised January 27, 1999

8 Q. Please state your name, business address and occupation.

9 A. My name is Susan Ritenour. My business address is One
10 Energy Place, Pensacola, Florida 32520-0780. I hold the
11 position of Assistant Secretary and Assistant Treasurer
12 for Gulf Power Company.

13 Q. Please briefly describe your educational background and
14 business experience.

15 A. I graduated from Wake Forest University in
16 Winston-Salem, North Carolina in 1981 with a Bachelor of
17 Science Degree in Business and from the University of
18 West Florida in 1982 with a Bachelor of Arts Degree in
19 Accounting. I am also a Certified Public Accountant
20 licensed in the State of Florida. I joined Gulf Power
21 Company in 1983 as a Financial Analyst. Prior to
22 assuming my current position, I have held various
23 positions with Gulf including Computer Modeling Analyst,
24 Senior Financial Analyst, and Supervisor of Rate
25 Services.

1 My responsibilities include supervision of: tariff
2 administration, cost of service activities, calculation
3 of cost recovery factors, the regulatory filing function
4 of the Rates and Regulatory Matters Department, and
5 various treasury activities.

6
7 Q. Have you previously filed testimony before this
8 Commission in Docket No. 990001-EI?

9 A. Yes, I have.

10
11 Q. What is the purpose of your testimony?

12 A. The purpose of my testimony is to discuss the allocation
13 of transmission revenues associated with economy sales
14 transactions between the retail and wholesale
15 jurisdictions.

16
17 Q. What is the proper jurisdictional separation factor for
18 allocating transmission revenues between the retail and
19 wholesale jurisdictions?

20 A. A transmission-related separation factor, based on
21 coincident peak demand, properly allocates transmission
22 revenues between the retail and wholesale jurisdictions.
23 This is consistent with the way in which the
24 transmission-related plant costs and operation and
25 maintenance expenses were allocated in Gulf's last rate

1 case.

2

3 Q. Does Gulf propose to use a demand allocator to calculate
4 the amount of transmission revenues to flow through the
5 fuel clause?

6 A. No. For administrative simplicity, Gulf proposes to
7 allocate the transmission revenues flowed through the
8 fuel clause based on energy sales adjusted for line
9 losses, as it has been doing for transmission revenues
10 related to economy sales effective January 1997 pursuant
11 to Commission Order No. PSC-98-0073-FOF-EI dated
12 January 13, 1998. For Gulf Power, the energy allocator
13 and the demand allocator are very similar. For 1997,
14 the average energy allocator was 96.61503%, and for 1998
15 through August, the average energy allocator was
16 96.63689%. In Gulf's last rate case, the transmission-
17 related investment and expenses were allocated based on
18 coincident peak demand. For the period January 1997
19 through August 1998, the corresponding demand allocator
20 was 96.31890% based on 1995 actual load data. This same
21 allocator was used in the capacity and environmental
22 cost recovery clause filings. For the period January
23 1997 through August 1998, \$522,868 of transmission
24 revenues would have been allocated to the retail
25 jurisdiction using the 96.31890% demand allocator. The

1 actual revenue flowed through the fuel clause during
2 that 20-month period based on energy allocators was
3 \$524,260, or \$1,392 more than would have been returned
4 to the customer using the demand allocator. Changing
5 the allocation for these transmission revenues would
6 require fairly substantial changes to Gulf's over/under
7 recovery calculation each month, and to the actual "A"
8 schedules filed each month and the final true-up and
9 projection schedules, each filed annually. In summary,
10 due to the immateriality of the difference in the energy
11 and demand allocators for Gulf Power and the
12 administrative costs involved with changing the
13 allocator for the transmission revenues associated with
14 economy sales, Gulf is proposing to continue using the
15 energy allocator to flow these transmission revenues
16 through the fuel clause to its customers.

17

18 Q. Ms. Ritenour, does this complete your testimony?

19 A. Yes, it does.

20

21

22

23

24

25

1 **Q** **(By Mr. Stone)** Ms. Ritenour, please
2 summarize your testimony.

3 **A** The purpose of my testimony in this
4 proceeding is to discuss Gulf's position related to
5 the allocation of transmission revenues related to
6 economy sales between the retail and wholesale
7 jurisdictions.

8 Based on Gulf's approved cost of service
9 methodology, transmission related investment and
10 expenses are allocated based on coincident peak
11 demand. Similarly, any transmission revenues credited
12 to customers are properly allocated based on demand.

13 However, in this proceeding for simplicity
14 and administrative efficiency, Gulf is proposing that
15 transmission revenues related to economy sales
16 continue to be credited through the fuel clause based
17 on an energy allocation.

18 For Gulf Power, the difference between the
19 demand in energy allocators is negligible. Through
20 December, 1998, Gulf has credited a 24-month total of
21 \$576,744 of transmission revenues to its customers
22 through the fuel clause based on an energy allocator.

23 If the demand allocator had been used for
24 the same period, \$575,231 would have been credited to
25 customers, for a difference of \$1,513, or only .3%.

1 and it would cost the company a significant amount of
2 money to implement the change?

3 A That's correct.

4 Q Do you have any reason -- do you think the
5 companies should be treated consistently on this
6 particular issue?

7 A In my opinion, not necessarily. I think
8 what works for Gulf is not to make the change, because
9 it's just not material. I don't think that
10 necessarily has to apply to all the companies.

11 MR. BURGESS: Thank you, Ms. Ritenour.

12 MS. KAUFMAN: I have no questions.

13 CHAIRMAN GARCIA: Mr. Keating.

14 CROSS EXAMINATION

15 BY MR. KEATING:

16 Q Is it correct that Gulf Power does not make
17 economy sales over the Energy Broker Network?

18 A That's correct.

19 Q What type of economy sales are your
20 calculations based on?

21 A I can give you sort of a general answer to
22 that. Mr. Howell is more of an expert in that field.
23 But basically they're sales we make with other
24 utilities based on economics and opportunity at a
25 given point in time.

1 Q Since the Commission's original order on
2 this matter was issued, how has Gulf been treating the
3 revenues from its economy sales?

4 A The revenues, the energy related and the
5 transmission revenues associated with economy sales,
6 have been credited through the fuel clause.

7 We retain 80% -- or we retain 20% of the
8 profits, the 80% of the profits being credited through
9 the fuel clause, and all the amounts related to
10 economy, the production and transmission related
11 amounts, have been credited based on the energy
12 allocator.

13 Q Is this a change from how these revenues
14 were treated prior to the Commission's order?

15 A No. Well, except for that in the past the
16 transmission revenues were considered to be a base
17 rate item that were reflected in the surveillance
18 report. To that extent, there's a change; but in
19 terms of the allocation of economy sales, no; no
20 change.

21 Q And is this the same treatment that's used
22 for all of Gulf's economy sales?

23 A Yes.

24 Q And Gulf is applying the 20% stockholder
25 incentive to these same sales?

1 **A** Yes.

2 **MR. KEATING:** I have no more questions.

3 **CHAIRMAN GARCIA:** Okay. Very good. Do you
4 want to -- does the company have any --

5 **MR. STONE:** No redirect.

6 **CHAIRMAN GARCIA:** Is there anything that
7 needs to be moved into the record of this witness?
8 No?

9 (Witness Ritenour excused.)

10 - - - - -

11 **MR. STONE:** Commissioner Garcia, earlier we
12 had asked to have the late-filed exhibit as a
13 supplement to Exhibit 2, and there was -- I wanted to
14 give the parties an opportunity to review that.

15 **CHAIRMAN GARCIA:** Ms. Kaufman?

16 **MS. KAUFMAN:** We have no objection,
17 Mr. Chairman.

18 **CHAIRMAN GARCIA:** Very good. So we'll move
19 this as an addendum to Exhibit 2.

20 **MR. KEATING:** Correct. That would be fine.
21 And there's one other thing, and I'm not sure on this
22 one if we could stipulate this into the record. This
23 is the last exhibit that's in your packet, which
24 consists of the deposition of Ms. Ritenour taken
25 earlier in this proceeding.

1 **CHAIRMAN GARCIA:** This is Ms. Ritenour's
2 deposition.

3 **MR. KEATING:** Correct.

4 **CHAIRMAN GARCIA:** And is there an objection
5 to moving it in?

6 **MR. STONE:** Commissioner, we have no
7 objection on Gulf Power's part, but we had provided a
8 copy to all the parties, the errata sheets to both
9 Ms. Ritenour's deposition -- which I assume they're
10 going to ask for Exhibit No. 7 -- and also the errata
11 sheets to Mr. Howell's deposition, which was
12 Exhibit No. 2, and we would ask that that also be
13 inserted into the record.

14 **CHAIRMAN GARCIA:** Is that all right with
15 everyone?

16 **MR. KEATING:** So if we could have
17 Ms. Ritenour's deposition marked as, I believe,
18 Exhibit 7?

19 **CHAIRMAN GARCIA:** 7, yes.

20 **MR. KEATING:** Yes, Exhibit 7.

21 **CHAIRMAN GARCIA:** Very good, and you'll give
22 it a short title.

23 **MR. KEATING:** Deposition of
24 Susan D. Ritenour.

25 (Exhibit 7 marked for identification.)

1 STATE OF FLORIDA)
2 COUNTY OF LEON)

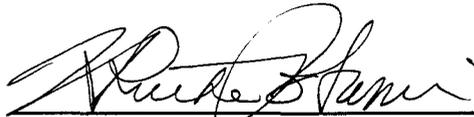
CERTIFICATE OF REPORTER

3 I, H. RUTHE POTAMI, CSR, RPR, FPSC
4 Commission Reporter,

5 DO HEREBY CERTIFY that the Hearing in Docket
6 No. 980001-EI was heard by the Florida Public Service
7 Commission at the time and place herein stated; it is
8 further

9 CERTIFIED that I stenographically reported
10 the said proceedings; that the same has been
11 transcribed by me; and that this transcript,
12 consisting of 85 pages, constitutes a true
13 transcription of my notes of said proceedings and the
14 insertion of the prescribed prefiled testimony of the
15 witness.

16 DATED this 15th day of February, 1999.

17 
18 _____
19 H. RUTHE POTAMI, CSR, RPR
20 Official Commission Reporter
21 (904) 413-6734
22
23
24
25

	4	Adopted 4/11, 61/16 adopting 7/19, 7/23 afford 48/5 agree 43/25, 44/7, 47/8, 56/22, 71/19 agreed 29/18, 63/9 agreements 45/16, 45/17, 45/19, 45/21, 46/1, 46/9, 46/18, 46/24, 46/25, 48/18 allocate 80/13 allocated 41/10, 54/19, 79/10, 79/12 allocation 41/7, 41/20, 51/20, 79/5, 79/17, 80/5, 82/19 allocations 41/13 allocator 79/22, 79/23, 80/1, 80/3, 82/12 allocators 61/10, 61/11, 79/19, 80/18 allow 29/9, 29/10, 29/13, 55/25 allowed 57/7 allows 47/13 amendatory 28/4 amended amending 28/5 amount 40/6, 41/4, 41/8, 46/12, 48/11, 51/23, 60/17, 71/4, 71/10, 81/1 amounts 51/7, 51/9, 52/13, 52/14, 52/15, 80/11, 82/9, 82/11 analysis 30/17 annual 44/22 answer 67/6, 81/21 anticipated 27/14 anxious 48/1 APPEARANCES 2/1, 3/1, 6/15 apples 55/11 applies 48/23 apply 71/10, 71/17, 71/20, 81/10 applying 82/24 appropriate 8/2, 26/2, 47/17, 64/20 appropriately 59/13 approval 65/17 approved 66/1, 66/3, 79/8 approximate 64/25 April 44/15 area 45/3, 65/23 argue 27/5 arithmetic 51/10, 71/15 Arnold 2/13 arose 40/9, 40/12 arranged 67/14 arrangement 52/8, 63/5 arrangements 68/9 assets 60/22 associated 82/5 Association 60/21 attached 30/20, 31/22 attention 27/25 attorneys 29/6, 29/7 Ausley 2/9, 6/22 automated 80/9
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EXHIBIT NO. _____

DOCKET NO: 990001-EI

WITNESS: KOREL M. DUBIN

PARTY: FLORIDA POWER & LIGHT
COMPANY

DESCRIPTION: COMPOSITE EXHIBIT:
1) DEPOSITION OF KOREL M.
DUBIN TAKEN ON JANUARY 26,
1999, AND 2) RESPONSES TO
STAFF'S THIRD SET OF
INTERROGATORIES (NOS. 7 - 14)

PROFERRED BY: STAFF

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EG EXHIBIT NO. 1
COMPANY/
WITNESS: Staff Dubin
DATE: 11-12-99

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

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In the Matter of	:	DOCKET NO. 990001-EI
Fuel and purchased power	:	TRANSMISSION RECONSIDERATION
cost recovery clause and	:	
generating performance	:	
incentive factor.	:	



DEPOSITION OF: **KOREL M. DUBIN**

TAKEN AT THE
INSTANCE OF: The Staff of the Florida
 Public Service Commission

PLACE: Gerald L. Gunter Building
 2540 Shumard Oak Boulevard
 Room 362
 Tallahassee, Florida

TIME: Commenced at 1:00 p.m.
 Concluded at 1:45 p.m.

DATE: Tuesday, January 26, 1999

REPORTED BY: H. RUTHE POTAMI, CSR, RPR
 FPSC Commission Reporter

JAN 28

1 **APPEARANCES:**

2 **MATTHEW M. CHILDS**, Steel, Hector & Davis,
3 215 South Monroe Street, Suite 601, Tallahassee,
4 Florida 32301, appearing on behalf of **Florida Power &**
5 **Light Company**.

6 **STEVE BURGESS**, Deputy Public Counsel, Office
7 of Public Counsel, 111 West Madison Street, Room 812,
8 Tallahassee, Florida 32399-1400, appearing on behalf
9 of the **Citizens of the State of Florida**.

10 **WILLIAM COCHRAN KEATING**, Florida Public
11 Service Commission, Division of Legal Services, 2540
12 Shumard Oak Boulevard, Tallahassee, Florida
13 32399-0870, appearing on behalf of the **Commission**
14 **Staff**.

15

16 **ALSO PRESENT:**17 **RITA MCLELLAN**, FP&L18 **JUDY HARLOW**, FPSC19 **DAVID WHEELER**, FPSC

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I N D E X

WITNESS

PAGE NO.

1
2
3 NAME

4 KOREL M. DUBIN

Examination by Mr. Keating

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5 Examination by Mr. Burgess

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MISCELLANEOUS

9

10 STIPULATION

4

ERRATA SHEET

17

11 AFFIDAVIT OF DEPONENT

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CERTIFICATE OF OATH

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12 CERTIFICATE OF REPORTER

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S T I P U L A T I O N

IT IS STIPULATED that this deposition was taken pursuant to notice in accordance with the applicable Florida Rules of Civil Procedure; that objections, except as to the form of the question, are reserved until hearing in this cause; and that reading and signing was not waived.

IT IS ALSO STIPULATED that any off-the-record conversations are with the consent of the deponent.

1 **KOREL M. DUBIN**

2 appeared as a witness and, after being duly sworn by
3 the court reporter, testified as follows:

4 **EXAMINATION**

5 **BY MR. KEATING:**

6 Q Good afternoon, Ms. Dubin. I'm Cochran
7 Keating representing the Commission Staff. I just
8 have a few questions for you.

9 First, looking at Page 2, Line 22 of your
10 testimony, you used the term "economic tractions".
11 I'm interested in finding out exactly how you define
12 economy transactions as it's used in the testimony.

13 A Economy tractions for FPL are economy --
14 they'd be broker transactions, and for FPL they're
15 Schedule C.

16 Q So you're referring to only broker
17 transactions?

18 A Yes.

19 Q Do you expect economy sales over the broker
20 network in the future to remain the same, or possibly
21 increase or decrease?

22 A We had a decrease in -- last year in economy
23 sales, but we expect it to go up to about the same
24 level it was in '97. Our fuel adjustment projections
25 for '99 indicate that.

1 Q And that's for Florida Power & Light?

2 A Yes.

3 Q What was the '97 level?

4 A '97 level -- I'm just talking about the
5 transmission service part of it -- was roughly a
6 million dollars in '97 and the -- maybe like a
7 million, two, a million, three; and in 1998 the
8 transmission service was a little over \$500,000.

9 Q So you expected '99 to be --

10 A To be about a million --

11 Q -- to be about the '97 level?

12 A Right.

13 Q Okay. Do you have any expectations about
14 the level of economy sales over the broker network,
15 for the entire broker network, whether those would
16 remain about the same in the future, or decline or
17 increase?

18 A Not -- only with what I mentioned about our
19 projections for '99.

20 Q What types of economy sales, or what types
21 of sales do you believe the Commission-approved 20%
22 stockholder incentive applies to?

23 A Economy transactions Schedule C and
24 Schedule X, which is something that's done very
25 infrequently, but it's also like a Schedule C; it's

1 just extended a little bit.

2 Q Do you have any Schedule C or X transactions
3 that are not made over the broker network?

4 A No.

5 Q How does Florida Power & Light treat
6 revenues from nonbrokers' economy transactions
7 currently?

8 A If you're referring to schedules like OS,
9 opportunity sales, A, which would be emergency, or B,
10 short-term, all of those are -- the energy portion is
11 run through the fuel adjustment clause, and anything
12 above that is run through the capacity clause.

13 Q On those types of sales are there any
14 transmission charges, and if there are, how would
15 those revenues be treated?

16 A Those revenues are treated as a credit to
17 the capacity clause. They're reflected on the
18 Schedule A6, and the fuel portion is credited back
19 through fuel on the -- the transmission and capacity
20 portion are credited to the capacity clause.

21 Q If the Commission ordered to separate
22 transmission revenues from economy sales made over the
23 broker network based on demand, what would be involved
24 for Florida Power & Light to implement that change?

25 A We would have to redo some of the computer

1 information for the A schedules, for Schedule A and
2 Schedule A2.

3 Q Do you know about what sort of -- could you
4 give an estimate --

5 A Yeah, the --

6 Q -- on the costs or time that would be
7 involved?

8 A It would probably take somebody a good week
9 to reprogram all the macros so that -- and test it
10 out.

11 Q Would that be one person; say, you know, a
12 full week for one person? I was just trying to get a
13 better idea.

14 A Yeah. Maybe two. Maybe one person doing it
15 and one person checking it, but it would take probably
16 a full 40 hours, say.

17 Q What is the status of the open access
18 transmission tariff that Florida Power & Light has
19 filed with FERC?

20 A We have a settlement agreement. We filed a
21 tariff on December 11th, and this month we got a --
22 there's no opposition to the settlement agreement, and
23 we got what's called Staff's initial comments
24 supporting the settlement. So FERC Staff is
25 supporting it.

1 Q Does the tariff include crediting of nonfirm
2 transmission revenues in the calculation of firm
3 transmission rates?

4 A (Pause) Yes. It's calculated in -- with
5 the formula rates.

6 Q In response to Staff's Interrogatory
7 No. 14 -- do you have that with you?

8 A Uh-huh.

9 Q The demand separation factor is greater than
10 the energy separation factor in 1993, and for the next
11 five years the demand factor is less than the energy
12 factor.

13 Is there anything -- let's see how I can ask
14 this. Was there anything different about 1993 than
15 the next five years that would cause that?

16 A Yes. The energy separation factors and
17 demand separation factors are based on the prior
18 year's data, the prior year's sales, prior year's
19 demand. So '93 is actually based on 1992. Hurricane
20 Andrew was in 1992, which could definitely skew these
21 figures.

22 Q How would that change the figures? How
23 would the hurricane impact the figures?

24 A The demand is great and energy is a little
25 bit lower than what it would have been. And basically

1 during the hurricane, what we ended up losing was a
2 lot of our retail load; and that's why you see that.

3 Q Okay. I think that clears it up more for
4 me.

5 Have you performed any calculations that
6 would show the difference in the revenue credit to
7 ratepayers if the transmission revenues from broker
8 economy sales are separated based on demand rather
9 than energy?

10 A Well, based on what we have for 1998, it was
11 a little over \$500,000. And the difference -- and you
12 can see that in the interrogatory. The difference
13 between the demand and energy separation factors is
14 half a percent. So it's not quite \$3,000 in that
15 year.

16 Q I want to go back to one of my previous
17 questions to follow up on one of the responses that
18 you gave.

19 MR. KEATING: And, actually, do you all mind
20 if we go off the record for a minute?

21 MR. CHILDS: Okay.

22 (Off-the-record discussion.)

23 Q (By Mr. Keating) Okay. Back the record.

24 A few questions about the Schedule OS
25 transactions. For those transactions, is a separate

1 transmission exponent identified?

2 A No.

3 Q And how are the revenues from those
4 transactions treated?

5 A The total revenues for the transaction --
6 for OS transactions are credited back through the fuel
7 adjustment clause and the capacity cost-recovery
8 clause.

9 The energy portion of it are credited back
10 through the fuel adjustment clause, and the
11 revenues -- the remainder of the -- balance of the
12 transaction, those revenues are credited back to the
13 capacity clause.

14 Q And Schedule OS transactions, are those
15 hourly transactions?

16 A Yes.

17 Q And how are they priced?

18 A They're market based.

19 Q And were those transactions offered prior to
20 FERC Order 888?

21 A Yes.

22 Q Have there been any significant changes in
23 the settlement agreement that we referred to earlier
24 at FERC?

25 A No.

1 Q And just to clarify my question, have there
2 been any significant changes since the first hearing
3 on this subject?

4 A Before the Commission?

5 Q Yes.

6 A No. Let me make sure I understand the
7 question. The Commission that you're talking about is
8 the --

9 Q The Public Service Commission.

10 A The Public Service Commission. The answer
11 is no.

12 Q All right. What is the difference between
13 the amount of broker and OS transactions that Florida
14 Power & Light has?

15 A I can't tell you the exact difference here,
16 but that we have more OS transactions than Schedule C.

17 MR. KEATING: I don't think I have any other
18 questions for you.

19 EXAMINATION

20 BY MR. BURGESS:

21 Q I'm Steve Burgess with the Public Counsel's
22 Office. I know you just answered that you don't know
23 exactly the difference, but I took it from an earlier
24 answer that there was a fairly close proximity in the
25 amount of broker sales that you have versus OS sales.

1 Did I understand that correctly?

2 In other words, is there an overwhelming
3 majority of these economy sales that's one or the
4 other category, or just OS?

5 A OS.

6 Q And it's a significantly greater --

7 A That I'd have to check, but I believe so.

8 Q Now, I'm trying to understand this economy.

9 And as you've been told off the record, there seems to
10 be a little bit of a difference in understanding as to
11 what that term means. It's not actually defined
12 anywhere by order.

13 But you consider economy to be your broker
14 sales, which is C or X --

15 A Yes.

16 Q -- and OS sales. Or am I incorrect?

17 A Incorrect. Economy sales, broker economy
18 sales, would be Schedule C and Schedule X. OS is not
19 on the broker.

20 Q No. You said broker economy sales. I'm
21 saying your use of the term "economy sales" without
22 any other qualification --

23 A That would be --

24 Q -- do you consider OS sales to be economy
25 sales?

1 A I would call them interchange sales.

2 Q So you would equate economy sales with
3 broker sales? You wouldn't use the two separately?

4 A Right. Correct.

5 Q And the treatment that you have for the OS
6 sales, you credit it through either the capacity or
7 the fuel clause?

8 A Not either; both.

9 Q Both; yes. And that means that all of it
10 has a true-up factor and immediate impact?

11 A Yes.

12 Q Does Florida Power & Light apply an 80/20
13 split to the OS sales?

14 A No.

15 Q So it's your understanding that the 80/20
16 factor was to be applied only to the broker sales?

17 A Yes. Well, only to Schedule C and X.

18 Q Do you apply a jurisdictional separation
19 factor to -- does Florida Power & Light apply
20 jurisdictional separation factor to OS sales?

21 A They get totaled into all of the fuel
22 adjustment dollars and separated on energy, with the
23 exclusion of the portion that would run through the
24 capacity clause; and that portion of it would be
25 separated on demand.

1 Q Has that always been the case? Has Florida
2 Power & Light always jurisdictionally separated both
3 OS and its broker sales?

4 A As far as I can remember, yes.

5 MR. BURGESS: Thank you. (Pause) Oh. I'm
6 sorry. One other question.

7 Q (By Mr. Burgess) One of the things that
8 you were answering is about the OS sales with regard
9 to FERC Order 888.

10 Will there be post-FERC Order 888 OS
11 arrangements that you will have to consider whether a
12 transmission factor needs to be segregated?

13 A I think there's a -- I think there's a
14 tracking of the transmission, but I'm not exactly
15 sure; but there is a way to identify that.

16 Q Well, my question is, what is going to be
17 your treatment, what is going to be Florida
18 Power & Light's treatment, with regard to separating
19 that? I mean, at this point what are you
20 anticipating?

21 How do you anticipate effecting FERC
22 Order 888 on OS sales with regard to the separate
23 transmission charge?

24 A (Pause) There's a -- it's being credited
25 back -- and I'm just trying to --

1 Q Well, may I hold that question, and just ask
2 this question?

3 Do you consider FERC Order 888 to affect OS
4 sales, to be placing this requirement that a
5 transmission variable be singled out; do you consider
6 that to affect your OS sales?

7 A Yes.

8 Q Well, then will you treat it in the same
9 fashion that you would treat your broker sales?

10 A Treat it in the same fashion in that there's
11 a separate component for transmission, yes. (Pause)
12 And that transmission component would still be treated
13 the same way it is now. It would be revenue credited
14 and -- through the capacity clause and allocated on
15 demand.

16 MR. BURGESS: Okay. Thank you very much.

17 (Deposition concluded at 1:40 p.m.)

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AFFIDAVIT OF DEPONENT

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2
3 This is to certify that I, KOREL DUBIN, have
4 read the foregoing transcription of my testimony, Page
5 1 through 16, given on January 26, 1999, in Docket No.
6 990001-EI, and find the same to be true and correct,
7 with the exceptions, and/or corrections, if any, as
8 shown on the errata sheet attached hereto.

9
10 _____
11 KOREL M. DUBIN

12 Sworn to and subscribed before me
13 this _____ day of _____, 19____

14 _____
15 NOTARY PUBLIC

16 State of _____

17 Personally known to me ____ or produced identification____.

18 Type of identification produced _____

19
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1 F L O R I D A)
:
2 COUNTY OF LEON)

CERTIFICATE OF OATH

3 I, the undersigned authority, certify that
4 KOREL M. DUBIN personally appeared before me and was
5 duly sworn.

6 WITNESS my hand and official seal this 27th
7 day of January, 1999.



H. RUTHE POTAMI
Notary Public - State of Florida

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H. Ruthe Potami
MY COMMISSION # CC777298 EXPIRES
September 22, 2002
BONDED THRU TROY FAIR INSURANCE, INC.

1 STATE OF FLORIDA)
2 : CERTIFICATE OF REPORTER
3 COUNTY OF LEON)

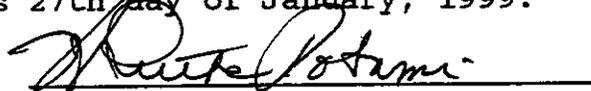
4 I, H. RUTHE POTAMI, Official Commission
5 Reporter,

6 DO HEREBY CERTIFY that I was authorized to
7 and did stenographically report the foregoing
8 deposition of KOREL M. DUBIN.

9 I FURTHER CERTIFY that this transcript,
10 consisting of 19 pages, constitutes a true record of
11 the testimony given by the witness.

12 I FURTHER CERTIFY that I am not a relative,
13 employee, attorney or counsel of any of the parties,
14 nor am I a relative or employee of any of the parties'
15 attorney or counsel connected with the action, nor am
16 I financially interested in the action.

17 DATED this 27th day of January, 1999.

18 
19 H. RUTHE POTAMI
20 Official Commission Reporter
21 Telephone No. (904) 413-6734
22
23
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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and purchased power) DOCKET NO. 990001-EI
cost recovery clause and)
generating performance incentive) DATE: JANUARY 12, 1999
_____)

FLORIDA POWER & LIGHT COMPANY'S RESPONSE TO
STAFF'S THIRD SET OF INTERROGATORIES (NOS. 7-14)
TRANSMISSION RECONSIDERATION

Florida Power & Light Company ("FPL") hereby provides this its
Response to Staff's Second Set of Interrogatories (Nos. 7-14).

7. For the purpose of answering the following two interrogatories, assume that the Commission orders transmission revenues received in conjunction with economy EBN transactions to be allocated based upon the jurisdictional factor for transmission services:
- a) indicate how the Commission should amend its Schedule A1 through Schedule A9 to show the impact of its order; and
 - b) indicate how the Commission should amend its Schedule E1 through Schedule E10 to show the impact of its order.
- A. (a) On Schedule A1 and A2, the Transmission Revenues would first need to be subtracted from the "Total Fuel and Net Power Transactions," then the Transmission Revenues would need to be multiplied by the jurisdictional factor for transmission services and the result added back to the "Total Jurisdictional Fuel Cost."
- (b) No change would be needed for the E Schedules since FPL does not forecast these revenues.

8. Could Florida Power & Light Company's retail jurisdictional separation factor for transmission services be greater than its retail jurisdictional factor for generation service? If so, provide an example.

A. No. The retail jurisdictional separation factors for generation service and transmission service are both calculated based on demand (12 CP).

9. Please explain and show in detail how the energy separation factor discussed on page 3, lines 8 through 11, of witness Dubin's testimony was calculated, including the source of the kWh used and the period covered.

A. Attachment 1, Interrogatory No. 9 is a page from FPL's Fuel Cost Recovery filing of October 5, 1998, Appendix II, page 9A to testimony of K. M. Dubin. The kWh used are 1997 actual. The energy separation factor is calculated as follows:

Total Retail Energy (Column 4, Line 81) = 85,257,282

Total Company Energy (Column 4, Line 85) = 86,503,205

Therefore:

85,257,282 ÷ 86,503,205 = 98.56% Energy Separation Factor

10. Please explain and show in detail how the demand separation factor discussed on page 3, lines 13 through 16, of witness Dubin's testimony was calculated, including the source and derivation of the 12 CP demands used, and the period covered.

A. Attachment 1, Interrogatory No. 10 provides the information used to prepare FPL's Capacity Cost Recovery filing. The 12 CP demand used is actual 12 CP demand for 1997. The demand separation factor is calculated as follows:

Total Retail 12 CP Demand (Column 4, Line 79) = 14,461,314

Total Company 12 CP Demand (Column 4, Line 83) = 14,748,556

Therefore:

14,461,314 ÷ 14,748,556 = 98.05% Demand Separation Factor

11. Please clarify the statement contained on page 2, lines 6 through 12, of witness Dubin's testimony which indicates that FERC will "require that revenue from non-firm transmission services, subject to FERC jurisdiction be reflected as a revenue credit in the derivation of firm transmission service rates."

A. FERC has required utilities to reflect revenue from non-firm transmission services as a revenue credit in the derivation of firm transmission service rates. On pages 303 and 304 of Order No. 888, FERC states:

"In addition, revenue from non-firm services should continue to be reflected as a revenue credit in the derivation of firm transmission tariff rates. The combination of allocating costs to firm point-to-point service and the use of a revenue credit for non-firm service will satisfy the requirements of a conforming rate proposal enunciated in our Transmission Pricing Policy Statement."

12. Page 2, lines 12 through 17, of witness Dubin's testimony states that: "FERC accepted transmission rates that reflected a credit to the transmission cost of service for non-firm transmission services provided to others." Is it your opinion that the concept of FERC "accepting" a filing, is the same as FERC mandating a particular treatment?

A. No. The information was cited to show similar treatment by FERC under similar circumstances.

13. Does the FERC define "off-system" sales in the case cited in witness Dubin's testimony on page 2, lines 15 through 17, as all off-system sales or only contract sales (as opposed to as-available sales)? Please provide supporting documentation, if available.

A. Although we have found no specific definition in that case, FERC Order No. 888A (Order on Rehearing), issued on March 4, 1997, defines off-system sales transactions as sales other than those to serve the transmission provider's native load or a network customer's load.

14. Beginning on page 2, line 23, of witness Dubin's testimony, it is stated that: "Although it may be appropriate to use a demand separator, FPL's current energy separation factor and demand separation factor produce virtually the same results." Does this relationship hold historically? Please provide documentation that supports the response to this interrogatory.

A. Yes. Attachment 1, Interrogatory No. 14 provides the documentation for the Energy and Demand Separation factor over the five-year period, from 1993 through 1997. The factors have been summarized in the table below and the table also includes separation factors for 1998.

<u>YEAR</u>	<u>ENERGY SEPARATION FACTOR</u>	<u>DEMAND SEPARATION FACTOR</u>	<u>DIFFERENCE</u>
1993	97.90%	98.60%	-0.70%
1994	98.70%	97.88%	0.82%
1995	98.24%	97.26%	0.98%
1996	98.22%	97.33%	0.89%
1997	98.38%	97.20%	1.18%
1998	98.56%	98.05%	0.51%

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF DADE)

BEFORE ME, the undersigned authority, personally appeared Korel M. Dubin, who being first duly sworn deposes and says:

That she occupies the position of Principal Rate Analyst, in the Rates and Tariff Department of Florida Power & Light Company, 9250 W. Flagler Street, Miami, Florida and is the person who is sponsoring the answer to Staff's Third Set of Interrogatories No. 7 through 14, Docket No. 990001-EI, and further says that said answers are true and correct to the best of her knowledge and belief.

Korel M. Dubin

I hereby certify that on this 11 day of JANUARY, 1999, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Korel M. Dubin who is personally known to me, and she acknowledged before me that she executed this certification of signature as her free act and deed who did not take an oath.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 11 day of JANUARY, 1999.

Maura Hernandez

Notary Public
State of Florida

My Commission Expires:



Maura Hernandez
MY COMMISSION # GC526968 EXPIRES
May 25, 2000
BONDED THRU TROY FAIR INSURANCE, LLC.

Florida Power & Light Company
1997 Actual Energy Losses by Rate Class

Line No.	Rate Class	Delivered MWH Sales	Expansion Factor	Delivered Energy at Generation	Delivered Efficiency	Losses	7 Fuel Cost Recovery Multiplier
2	RS-1 Sec	41,773,313	1.070183256	44,704,284	0.934437	2,930,962	1.00205
3	GS-1 Sec	5,015,612	1.070183256	5,307,523	0.934437	351,912	1.00205
4							
5	GSD-1 Ph	5,056	1.044858415	5,281	0.957253	226	
6	GSD-1 Sec	18,476,735	1.070183256	19,773,123	0.934437	1,296,388	
7	Subtot GSD-1	18,481,791	1.070156279	19,778,404	0.934443	1,296,614	1.00204
8							
9	OS-2 Ph	21,832	1.044858415	22,807	0.957253	975	0.97817
10							
11	GSLD-1 Ph	89,305	1.044858415	93,293	0.957253	3,988	
12	GSLD-1 Sec	7,851,382	1.070183256	7,548,140	0.934437	494,749	
13	Subtot GSLD-1	7,140,687	1.06884259	7,639,433	0.934715	498,737	1.00175
14							
15	CS-1 Ph	10,891	1.044858415	11,348	0.957253	485	
16	CS-1 Sec	201,498	1.070183256	215,836	0.934437	14,138	
17	Subtot CS-1	212,389	1.06885776	228,981	0.935577	14,823	1.00083
18							
19	Subtot GSD1 / CS1	7,353,055	1.068815795	7,869,414	0.934740	513,359	1.00172
20							
21	GSLD-2 Ph	299,079	1.044858415	218,418	0.957253	8,337	
22	GSLD-2 Sec	817,828	1.070183256	874,983	0.934437	87,367	
23	Subtot GSLD-2	1,026,705	1.06888914	1,093,401	0.938984	68,704	0.99718
24							
25	CS-2 Ph	6,911	1.044858415	6,279	0.957253	288	
26	CS-2 Sec	101,768	1.070183256	108,898	0.934437	7,140	
27	Subtot CS-2	107,788	1.068748564	115,177	0.935681	7,408	1.00072
28							
29	Subtot GSD2 / CS2	1,134,475	1.06537282	1,208,587	0.938978	74,112	0.99752
30							
31	GSLD-3 Trm	698,985	1.023088980	713,085	0.977422	18,100	0.95798
32							
33	CS-3 Trm	0	1.023088980	0	0.900000	0	0.90000
34							
35	Subtot GSD3 / CS3	698,985	1.023088980	713,085	0.977422	18,100	0.95798
36							
37	SST-1 Sec	1,456	1.070183256	1,568	0.934437	102	1.00205
38							
39	SST-1 Ph	35,153	1.044858415	36,723	0.957253	1,570	
40	SST-1 Sec	17,051	1.070183256	18,248	0.934437	1,188	
41	SST-1 (D)	52,204	1.052987580	54,971	0.949879	2,786	0.98567
42							
43	SST-1 Trm	119,836	1.023088980	122,807	0.977422	2,798	0.95798
44							
45	CILC D Ph	488,170	1.044858415	486,988	0.957253	20,817	
46	CILC D Sec	2,236,103	1.070183256	2,381,828	0.934437	158,822	
47	CILC D	2,701,274	1.066791432	2,878,813	0.936298	177,840	0.99783
48							
49	CILC G Sec	234,881	1.070183256	251,447	0.934437	16,486	1.00205
50							
51	Subtot CILC D / CILC G	2,936,235	1.068113671	3,130,380	0.937986	194,125	0.99828
52							
53	CILC T Trm	1,212,341	1.023088980	1,240,348	0.977422	28,005	0.95798
54							
55	(SST-D & CILC-D)	2,702,729	1.06578802	2,880,471	0.938294	177,742	0.99783
56							
57	GSD-1 & CILC-1(G)	18,716,752	1.070156388	20,028,851	0.934443	1,313,099	1.00204
58							
59	MET Ph	78,088	1.044858415	81,585	0.957253	3,488	0.97817
60							
61	OS-2, GSLD2, CS2, & MET	1,234,404	1.063853904	1,312,979	0.940156	78,575	0.99585
62							
63	OL-1 Sec	107,188	1.070183256	114,717	0.934437	7,521	1.00205
64							
65	SL-1 Sec	345,784	1.070183256	370,034	0.934437	24,280	1.00205
66							
67	Subtot OL1 / SL1	452,980	1.070183256	484,741	0.934437	31,791	1.00205
68							
69	SL-2 Sec	78,128	1.070183256	83,807	0.934437	5,482	1.00205
70							
71	RTP-1 Ph	0	1.044858415	0	0.900000	0	
72	RTP-1 Sec	172,382	1.070183256	184,488	0.934437	12,084	
73	Subtot RTP-1	172,382	1.070183256	184,488	0.934437	12,084	1.00205
74							
75	RTP-2 Ph	2,089	1.044858415	2,182	0.957253	93	
76	RTP-2 Sec	183,985	1.070183256	175,982	0.934437	11,478	
77	Subtot RTP-2	186,074	1.068841830	177,245	0.934718	11,571	1.00175
78							
79	RTP-3 Trm	33,837	1.023088980	34,721	0.977422	784	0.95798
80							
81	Total FPSC	79,780,293	1.068858004	86,257,282	0.935759	6,478,989	1.00083
82							
83	Total FERC Sales	1,217,486	1.023348853	1,245,823	0.977178	28,437	
84							
85	Total Company	80,997,779	1.057970084	88,503,205	0.936356	5,505,426	
86							
87	Company Use	180,084	1.070183256	192,888	0.934437	12,834	
88	of FPL	81,177,843	1.067874848	88,685,803	0.936352	5,518,080	1.00000
89							
90	Summary of Sales by Voltage						
91							
92	Transmission	3,286,080	1.023088980	3,341,528	0.977422	75,446	
93							
94	Primary	836,163	1.044858415	880,068	0.957253	41,885	
95							
96	Secondary	78,783,537	1.070183256	82,181,621	0.934437	5,388,085	
97							
98	Total	80,997,779	1.067870084	88,503,205	0.936356	5,505,426	

Florida Power & Light Company
 1997 Demand Load by Rate Class

1 Rate Class	2 12 CP Demand	3 Expansion Factor	4 12 CP Demand at Generation	5 Delivered Efficiency	6 Losses	Cost Recovery Multiplier
1 NS-1 Sec	7,002,819	1.000521123	8,389,181	0.910893	888	1.00288
2 GS-1 Sec	833,341	1.000521123	908,888	0.910893	75	1.00288
3 GSD-1 Pri	5,784	1.057156138	6,115	0.945834	0	
4 GSD-1 Sec	2,780,950	1.000521123	3,010,874	0.910893	250	
5 Subtot GSD-1	2,786,734	1.000451388	3,016,989	0.917051	250	1.00281
6 OS-2 PH	2,585	1.057156138	2,732	0.945834	0	0.97200
7 GSLD-1 Pri	41,262	1.057156138	43,820	0.945834	2	
8 GSLD-1 Sec	1,025,279	1.000521123	1,118,088	0.910893	83	
9 Subtot GSLD-1	1,066,541	1.000230314	1,161,708	0.918078	85	1.00148
10 CS-1 PH	4,850	1.057156138	5,127	0.945834	0	
11 CS-1 Sec	28,371	1.000521123	28,758	0.910893	2	
12 Subtot CS-1	31,221	1.000230213	33,885	0.921372	3	0.99781
13 Subtot GSLD1 / CS1	1,097,762	1.000118829	1,195,594	0.918173	88	1.00138
14 GSLD-2 PH	84,008	1.057156138	87,895	0.945834	3	
15 GSLD-2 Sec	88,735	1.000521123	94,888	0.910893	8	
16 Subtot GSLD-2	180,743	1.027717887	181,881	0.927887	11	0.98081
17 CS-2 PH	2,788	1.057156138	2,948	0.945834	0	
18 CS-2 Sec	12,304	1.000521123	13,418	0.910893	1	
19 Subtot CS-2	15,094	1.004354261	16,367	0.922208	1	0.99701
20 Subtot GSLD2 / CS2	195,837	1.027590827	198,248	0.927334	12	0.99188
21 GSLD-3 Trn	88,313	1.028888211	88,807	0.971815	2	0.94802
22 CS-3 Trn	-	1.028888211	-	0.000000	0	0.00000
23 Subtot GSLD3 / CS3	88,313	1.028888211	88,807	0.971815	2	0.94802
24 ISST-1 Sec	0,227	1.000521123	0,248	0.910893	0	1.00288
25 SST-1 Pri	3,082	1.057156138	3,237	0.945834	0	
26 SST-1 Sec	4,113	1.000521123	4,485	0.910893	0	
27 SST-1 (D)	7,175	1.078283006	7,722	0.928124	1	0.98828
28 SST-1 Trn	11,103	1.028888211	11,424	0.971815	0	0.94802
29 CLC D Pri	83,324	1.057156138	88,858	0.945834	5	
30 CLC D Sec	255,870	1.000521123	278,813	0.910893	23	
31 CLC D	348,894	1.001580050	377,471	0.924557	28	0.99447
32 CLC G Sec	30,415	1.000521123	33,188	0.910893	3	1.00288
33 Subtot CLC D / CLC G	379,408	1.00214275	410,638	0.923848	31	0.99513
34 CLC T Trn	141,032	1.028888211	145,108	0.971815	4	0.94802
35 ISST-D & CLC D	349,221	1.001604861	377,718	0.924552	28	0.99448
36 MET PH	12,823	1.057156138	13,881	0.945834	1	0.97200
37 OS2, GSLD2, CS2, & MET	171,344	1.078441553	184,441	0.928887	13	0.98973
38 OL-1 Sec	8,374	1.000521123	8,132	0.910893	1	1.00288
39 SL-1 Sec	27,437	1.000521123	28,821	0.910893	2	1.00288
40 Subtot OL1 / SL1	35,811	1.000521123	36,953	0.910893	3	1.00288
41 SL-2 Sec	9,211	1.000521123	10,045	0.910893	1	1.00288
42 RTP-1 Pri	1,480	1.057156138	1,544	0.945834	0	
43 RTP-1 Sec	19,585	1.000521123	21,271	0.910893	2	
44 Subtot RTP-1	20,898	1.000187378	22,815	0.918851	2	1.00288
45 RTP-2 Pri	2,813	1.057156138	2,783	0.945834	0	
46 RTP-2 Sec	21,081	1.000521123	22,880	0.910893	2	
47 Subtot RTP-2	23,895	1.000041161	25,753	0.920088	2	1.00288
48 RTP-3 Trn	4,883	1.028888211	4,828	0.971815	0	0.97327
49 Subtot FPSC	13,281,534	1.000226585	14,481,314	0.918418	1,180	1.00112
50 Subtot FERC	278,005	1.028527348	287,342	0.971324	8	0.94858
51 Total Company	13,560,539	1.007003884	14,748,556	0.918448	1,188	1.00000
52 Company Use	27,000	1.000521123	28,444	0.910893	2	
53 Total FPL	13,587,539	1.007614172	14,778,000	0.918444	1,188	
54 Summary of 12 CP Demand by Voltage						
55 Transmission	515,885	1.028888211	530,874	0.971815	15	
56 Primary	230,842	1.057156138	244,036	0.945834	13	
57 Secondary	12,813,733	1.000521123	13,873,648	0.910893	1,180	
58 Total	13,560,539	1.007003884	14,748,556	0.918448	1,188	

Energy at Generation

Year used	Total FPSC	Total Company	Energy Separation Factor
1993	71,558,900	73,097,140	97.90%
1994	74,787,182	75,774,382	98.70%
1995	78,606,955	80,016,277	98.24%
1996	82,160,147	83,646,376	98.22%
1997	82,980,307	84,344,000	98.38%
1998	85,257,282	86,503,205	98.56%

FLORIDA POWER & LIGHT COMPANY
1992 ENERGY LOSSES
DETERMINATION OF LINE LOSS MULTIPLIERS

SCHEDULE E1
PAGE 4 OF 4
JULY 7, 1993

Lin No	(1) Rate Class	(2) DELIVERY VOLTAGE	(3) SALES MWH	(4) EXPANSION FACTOR	(5) ENERGY AT GENERATION	(6) DELIVERED EFFICIENCY	(7) LOSSES MWH	(8) FUEL COST RECOVERY LOSS MULTIPLIER
1	RS-1	SECONDARY	34,161,188	1.079746346	38,885,418	0.826143	2,724,230	1.00161
2								
3	CS-1	SECONDARY	4,281,883	1.079746346	4,823,348	0.826143	341,465	1.00161
4								
5	GSD-1	PRIMARY	60,827	1.058151843	53,839	0.844152	3,812	
6	GSD-1	SECONDARY	15,805,898	1.079746346	16,850,186	0.826143	1,244,487	
7		TOTAL	15,866,825	1.079679357	18,894,135	0.826201	1,247,510	1.00155
8								
9	GSLD-1	PRIMARY	388,827	1.058151843	412,874	0.844152	23,047	
10	GSLD-1	SECONDARY	8,123,895	1.079746346	8,612,361	0.826143	488,386	
11		TOTAL	8,513,822	1.078514427	7,825,035	0.827201	511,413	
12								
13	CS-1	PRIMARY	22,858	1.058151843	24,210	0.844152	1,352	
14	CS-1	SECONDARY	312,876	1.079746346	337,811	0.826143	24,835	
15		TOTAL	335,534	1.078343258	361,821	0.827348	26,287	
16								
17	Total GSD-1 & CS-1		8,948,156	1.078508047	7,388,856	0.827208	537,700	1.00046
18								
19	GSLD-2	PRIMARY	688,272	1.058151843	831,543	0.844152	35,270	
20	GSLD-2	SECONDARY	1,104,855	1.079746346	1,182,747	0.826143	88,882	
21		TOTAL	1,793,127	1.072528725	1,824,288	0.832378	123,383	
22								
23	CS-2	PRIMARY	76,134	1.058151843	80,838	0.844152	4,503	
24	CS-2	SECONDARY	190,334	1.079746346	205,513	0.826143	15,178	
25		TOTAL	266,468	1.073862120	286,151	0.831218	19,882	
26								
27	GS-2	PRIMARY	20,231	1.058151843	21,428	0.844152	1,197	
28								
29	MET	PRIMARY	76,848	1.058151843	81,394	0.844152	4,546	
30								
31	Total GSLD-2, CS-2, GS-2 & MET		2,064,475	1.072070141	2,213,282	0.832775	148,787	0.89448
32								
33	GSLD-3	TRANSMISSION	1,118,847	1.038524448	1,183,088	0.861878	44,222	0.88430
34	CS-3	TRANSMISSION	32,240	1.038524448	33,514	0.861878	1,274	0.88430
35	IST-1	TRANSMISSION	334,876	1.038524448	347,804	0.861878	13,228	0.88430
36	SST-1	TRANSMISSION	108,887	1.038524448	111,111	0.861878	4,225	0.88430
37	CLC-1	TRANSMISSION	518,889	1.038524448	537,122	0.861878	20,422	0.88430
38								
39	SL-1	SECONDARY	94,458	1.079746346	101,882	0.826143	7,533	1.00161
40								
41	SL-1	SECONDARY	283,848	1.079746346	306,485	0.826143	22,636	1.00161
42								
43	SL-2	SECONDARY	68,783	1.079746346	74,269	0.826143	5,485	1.00161
44								
45	IST-1	PRIMARY	50,109	1.058151843	53,073	0.844152	2,864	
46	IST-1	SECONDARY	48,841	1.079746346	52,520	0.826143	3,879	
47		TOTAL	98,751	1.068265947	105,594	0.835185	6,843	0.99182
48								
49	ISST-1	SECONDARY	1,347	1.079746346	1,454	0.826143	107	1.00161
50								
51	SST-1	PRIMARY	15,113	1.058151843	16,007	0.844152	894	
52	SST-1	SECONDARY	21,451	1.079746346	23,182	0.826143	1,711	
53		TOTAL	36,564	1.071233841	39,189	0.833503	2,605	0.88372
54								
55	CLC-1(0)	PRIMARY	183,183	1.058151843	194,018	0.844152	10,836	
56	CLC-1(0)	SECONDARY	490,806	1.079746346	530,054	0.826143	39,148	
57		TOTAL	674,089	1.074148783	724,072	0.830985	48,984	0.89842
58								
59	CLC-1(6)	PRIMARY	0	1.058151843	0	0.800800	0	
60	CLC-1(6)	SECONDARY	117	1.079746346	127	0.826143	8	
61		TOTAL	117	1.079746346	127	0.826143	8	1.00161
62								
63	SUBTOTAL **		8,827,418	1.078894186	10,387,712	0.828586	740,283	0.89887
64								
65	TOTAL FPSC		86,380,836	1.078888855	71,558,800	0.827836	5,178,264	1.00035
66								
67								
68	TOTAL FERC SALES		702,388	1.038786730	730,318	0.861726	27,852	
69	COMPANY USE		184,016	1.079746346	198,891	0.826143	14,675	
70	CHANGE IN UNBILLED SALES		584,236	1.079746346	602,232	0.826143	44,898	
71								
72	TOTAL FPL		67,831,254	1.077832154	73,087,140	0.827890	5,285,886	
73								
74								
75								

76 * IST-1(T), CLC-1(T) & SST-1(T) RATE CLASSES HAVE THE SAME
77 LOSS MULTIPLIER AS THE GSLD-3 (TRANSMISSION) RATE CLASS.
78 ** SUM OF GSLD-1, CS-1, GSLD-2, CS-2, IST-1(0), ISST-1(0), CLC-1(0),
79 CLC-1(6), AND SST-1(0).

Florida Power & Light Company
1994 Actual Energy Losses by Rate Class

Line No	Rate Class	Delivered MWH Sales	Expansion Factor	Delivered Energy at Generation	Delivered Efficiency	Losses	Feed Cost Ramsey Multiplier
1	RS-1 Sec	38,768,416	1.066850920	41,360,121	0.937338	2,591,704	1.00197
2							
3	CS-1 Sec	4,711,508	1.066850920	5,026,477	0.937338	314,969	1.00197
4							
5	GSD-1 Pri	4,693	1.044779957	4,903	0.957139	210	
6	GSD-1 Sec	17,136,368	1.066850920	18,281,886	0.937338	1,145,518	
7	Subtot GSD-1	17,141,061	1.066844877	18,286,790	0.937343	1,145,728	1.00196
8							
9	OS-2 Pri	20,733	1.044779957	21,441	0.957139	928	0.98124
10							
11	GSLD-1 Pri	82,699	1.044779957	86,482	0.957139	3,783	
12	GSLD-1 Sec	6,682,848	1.066850920	7,043,401	0.937338	441,353	
13	Subtot GSLD-1	6,684,347	1.066577833	7,129,884	0.937378	445,056	1.00171
14							
15	CS-1 Pri	4,493	1.044779957	4,694	0.957139	201	
16	CS-1 Sec	237,830	1.066850920	253,729	0.937338	15,899	
17	Subtot CS-1	242,323	1.066441687	258,424	0.937698	16,100	1.00139
18							
19	Subtot GSLD1 / CS1	4,927,071	1.066573109	7,388,337	0.937382	461,137	1.00171
20							
21	GSLD-2 Pri	329,585	1.044779957	344,344	0.957139	14,759	
22	GSLD-2 Sec	1,137,342	1.066850920	1,213,268	0.937338	76,026	
23	Subtot GSLD2-2	1,466,927	1.061891739	1,557,612	0.941716	90,784	0.99731
24							
25	CS-2 Pri	5,861	1.044779957	6,128	0.957139	267	
26	CS-2 Sec	183,129	1.066850920	195,371	0.937338	12,242	
27	Subtot CST-2	188,990	1.066166474	201,499	0.937948	12,509	1.00133
28							
29	Subtot GSLD2 / CS2	1,633,817	1.062379643	1,759,106	0.941283	103,289	0.99777
30							
31	GSLD-3 Tm	774,936	1.024181147	793,675	0.976390	18,739	0.96190
32							
33	CS-3 Tm	0	1.024181147	0	0.000000	0	0.00000
34							
35	Subtot GSLD3 / CS3	774,936	1.024181147	793,675	0.976390	18,739	0.96190
36							
37	SST-1 Sec	1,625	1.066850920	1,733	0.937338	109	1.00197
38							
39	SST-1 Pri	23,376	1.044779957	24,632	0.957139	1,056	
40	SST-1 Sec	20,451	1.066850920	21,819	0.937338	1,367	
41	Subtot SST-1 (D)	44,027	1.053032280	46,450	0.947838	2,423	0.99087
42							
43	SST-1 Tm	69,759	1.024181147	71,445	0.976390	1,687	0.96190
44							
45	CLC D Pri	330,252	1.044779957	345,937	0.957139	15,684	
46	CLC D Sec	1,618,923	1.066850920	1,718,614	0.937338	107,692	
47	Subtot CLC D	1,949,175	1.062909197	2,064,551	0.940814	123,376	0.99827
48							
49	CLC G Sec	101,328	1.066850920	108,102	0.937338	6,774	1.00197
50							
51	Subtot CLC D / CLC G	2,050,503	1.063102848	2,172,653	0.940643	130,150	0.99843
52							
53	CLC T Tm	1,029,569	1.024181147	1,054,465	0.976390	24,896	0.96190
54							
55	SST-D & CLC-D	1,962,800	1.062912459	2,086,284	0.940811	123,483	0.99827
56							
57	MET Pri	84,543	1.044779957	88,329	0.957139	3,786	0.98124
58	OS-2, GSLD2, CS2, & MET	1,761,093	1.061327551	1,869,097	0.942216	108,004	0.99678
59							
60	OL-1 Sec	100,520	1.066850920	107,240	0.937338	6,720	1.00197
61							
62	SL-1 Sec	307,112	1.066850920	327,643	0.937338	20,531	1.00197
63							
64	Subtot OL1 / SL1	407,632	1.066850920	434,882	0.937338	27,251	1.00197
65							
66	SL-2 Sec	75,867	1.066850920	80,939	0.937338	5,072	1.00197
67							
68	Total FPSC	73,773,008	1.065495714	78,606,955	0.938330	4,831,947	1.00070
69							
70	Total FERC Sales	1,375,414	1.024653402	1,409,322	0.975940	33,909	
71							
72	Total Company	75,150,421	1.064748212	80,016,277	0.939189	4,865,853	

CLC-1(T), CS-3, and SST-1(T) rate classes have the same loss multiplier as the GSLD-3 (Transmission) rate class.

Florida Power & Light Company
1995 Actual Energy Losses by Rate Class

Line No	Rate Class	Delivered MWH Sales	Expansion Factor	Delivered Energy at Generation	Delivered Efficiency	Losses	Cost Recovery Multiplier
1	RS-1 Sec	40,922,712	1.067486100	43,684,426	0.936780	2,761,714	1.00201
2							
3	GS-1 Sec	4,824,449	1.067486100	5,150,032	0.936780	325,583	1.00201
4							
5	GSD-1 Pri	4,805	1.044406598	5,018	0.957482	213	
6	GSD-1 Sec	17,545,079	1.067486100	18,729,128	0.936780	1,184,049	
7	Subtot GSD-1	17,549,884	1.067479781	18,734,146	0.936786	1,184,262	1.00200
8							
9	OS-2 Pri	20,311	1.044406598	21,213	0.957482	902	0.98034
10							
11	GSLD-1 Pri	85,532	1.044406598	89,330	0.957482	3,798	
12	GSLD-1 Sec	6,828,177	1.067486100	7,285,984	0.936780	460,807	
13	Subtot GSLD-1	6,913,709	1.067200576	7,375,314	0.937031	464,605	1.00174
14							
15	CS-1 Pri	3,915	1.044406598	4,089	0.957482	174	
16	CS-1 Sec	207,250	1.067486100	221,237	0.936780	13,986	
17	Subtot CS-1	211,165	1.067058167	225,326	0.937156	14,160	1.00160
18							
19	Subtot GSLD1 / CS1	7,124,874	1.067196356	7,503,640	0.937035	478,766	1.00173
20							
21	GSLD-2 Pri	322,094	1.044406598	336,397	0.957482	14,303	
22	GSLD-2 Sec	1,111,393	1.067486100	1,186,397	0.936780	75,004	
23	Subtot GSLD1-2	1,433,487	1.062300308	1,522,794	0.941355	89,307	0.99714
24							
25	CS-2 Pri	3,851	1.044406598	4,022	0.957482	171	
26	CS-2 Sec	120,332	1.067486100	128,453	0.936780	8,121	
27	Subtot CS1-2	124,183	1.066770378	132,475	0.937409	8,292	1.00133
28							
29	Subtot GSLD2 / CS2	1,557,670	1.062856678	1,655,269	0.941038	97,598	0.99747
30							
31	GSLD-3 Tm	741,566	1.024433539	759,685	0.976149	18,119	0.96159
32							
33	CS-3 Tm	0	1.024433539	0	0.000000	0	0.00000
34							
35	Subtot GSLD3 / CS3	741,566	1.024433539	759,685	0.976149	18,119	0.96159
36							
37	ISST-1 Sec	2,242	1.067486100	2,393	0.936780	151	1.00201
38							
39	SST-1 Pri	43,631	1.044406598	45,568	0.957482	1,938	
40	SST-1 Sec	25,275	1.067486100	26,981	0.936780	1,706	
41	SST-1 (D)	68,906	1.052872337	72,550	0.949783	3,643	0.98829
42							
43	SST-1 Tm	99,883	1.024433539	102,323	0.976149	2,440	0.96159
44							
45	CILC D Pri	416,869	1.044406598	435,381	0.957482	18,512	
46	CILC D Sec	1,917,315	1.067486100	2,046,707	0.936780	129,392	
47	CILC D	2,334,184	1.063364259	2,482,088	0.940412	147,904	0.99814
48							
49	CILC G Sec	144,000	1.067486100	153,718	0.936780	9,718	1.00201
50							
51	Subtot CILC D / CILC G	2,478,184	1.063603766	2,635,806	0.940200	157,622	0.99836
52							
53	CILC T Tm	1,094,627	1.024433539	1,121,373	0.976149	26,746	0.96159
54							
55	ISST-D & CILC-D	2,336,426	1.063366214	2,484,481	0.940408	148,055	0.99814
56							
57	GSD-1 & CILC-1(G)	17,693,883	1.067479833	18,887,864	0.936786	1,193,980	1.00200
58							
59	MET Pri	84,097	1.044406598	87,831	0.957482	3,734	0.98034
60							
61	OS-2, GSLD2, CS2, & MET	1,662,079	1.061510246	1,764,314	0.942054	102,235	0.99640
62							
63	OL-1 Sec	104,255	1.067486100	111,291	0.936780	7,036	1.00201
64							
65	SL-1 Sec	320,765	1.067486100	342,412	0.936780	21,647	1.00201
66							
67	Subtot OL1 / SL1	425,020	1.067486100	453,703	0.936780	28,683	1.00201
68							
69	SL-2 Sec	70,967	1.067486100	75,756	0.936780	4,789	1.00201
70							
71	Total FPSC	77,065,393	1.066109493	82,160,147	0.937990	5,094,754	1.00071
72							
73	Total FERC Sales	1,450,416	1.024691373	1,486,229	0.975904	35,813	
74							
75	Total Company	78,515,809	1.065344380	83,646,376	0.938664	5,130,567	
76							
77	Company Use	184,661	1.067486100	197,123	0.936780	12,462	
78							
79	Total FPL	78,700,470	1.065349405	83,843,499	0.938659	5,143,029	1.00000
80							
81	Summary of Sales by Voltage						
82							
83	Transmission	3,367,768	1.024433539	3,450,055	0.976149	82,286	
84							
85	Primary	1,003,829	1.044406598	1,048,406	0.957482	44,577	
86							
87	Secondary	74,144,212	1.067486100	79,147,915	0.936780	5,003,704	
88							
89	Total	78,515,809	1.065344380	83,646,376	0.938664	5,130,567	

Florida Power & Light Company
1996 Actual Energy Losses by Rate Class

Line No.	Rate Class	Delivered kWh Sales	Expansion Factor	Delivered Energy at Conversion	Delivered Efficiency	Losses	Fuel Cost Recovery Multiplier
1	RS-1 Sec	41,304,539	1.072837537	44,317,180	0.832021	3,812,651	1.00213
2							
3	CS-1 Sec	4,788,832	1.072837537	5,136,225	0.832021	348,283	1.00213
4							
5	GSD-1 Ph	4,787	1.046417800	6,008	0.855641	222	
6	GSD-1 Sec	17,495,217	1.072837537	18,771,275	0.832021	1,276,058	
7	Subtot GSD-1	17,500,005	1.072837537	18,776,283	0.832021	1,276,280	1.00212
8							
9	OS-2 Ph	20,857	1.046417800	21,825	0.855641	868	0.97736
10							
11	GSLD-1 Ph	84,893	1.046417800	90,717	0.855641	4,024	
12	GSLD-1 Sec	6,845,175	1.072837537	7,344,445	0.832021	499,270	
13	Subtot GSLD-1	6,831,868	1.072837537	7,435,162	0.832021	503,294	1.00182
14							
15	CS-1 Ph	10,303	1.046417800	10,677	0.855641	474	
16	CS-1 Sec	189,301	1.072837537	203,108	0.832021	13,807	
17	Subtot CS-1	199,504	1.071581254	213,785	0.833200	14,281	1.00096
18							
19	Subtot GSD1/CS1	7,131,372	1.072577206	7,648,947	0.832034	517,575	1.00178
20							
21	GSLD-2 Ph	237,655	1.046417800	248,886	0.855641	11,031	
22	GSLD-2 Sec	828,372	1.072837537	887,158	0.832021	67,286	
23	Subtot GSLD-2	1,066,027	1.067537028	1,236,044	0.836736	78,317	0.99708
24							
25	CS-2 Ph	6,385	1.046417800	6,682	0.855641	297	
26	CS-2 Sec	108,282	1.072837537	116,158	0.832021	7,876	
27	Subtot CS-2	114,667	1.071458348	122,840	0.833307	8,173	1.00075
28							
29	Subtot GSD2/CS2	1,281,693	1.067887822	1,358,883	0.836428	87,011	0.99741
30							
31	GSLD-3 Tr	589,232	1.024172189	613,717	0.876398	14,485	0.95658
32							
33	CS-3 Tr	0	1.024172189	0	0.800000	0	0.80000
34	Subtot GSD3/CS3	589,232	1.024172189	613,717	0.876398	14,485	0.95658
35							
36	SST-1 Sec	655	1.072837537	703	0.832021	48	1.00213
37							
38	SST-1 Ph	36,722	1.046417800	38,427	0.855641	1,705	
39	SST-1 Sec	17,837	1.072837537	19,138	0.832021	1,301	
40	Subtot SST-1 (D)	54,559	1.055887636	57,564	0.847788	3,006	0.98546
41							
42	SST-1 Tr	88,756	1.024172189	91,826	0.876398	2,170	0.95658
43							
44	CLC D Ph	436,106	1.046417800	455,303	0.955641	20,197	
45	CLC D Sec	2,086,162	1.072837537	2,238,321	0.832021	152,158	
46	Subtot CLC D	2,521,267	1.068360813	2,693,624	0.836013	172,354	0.98785
47							
48	CLC G Sec	217,866	1.072837537	233,864	0.832021	15,998	1.00213
49							
50	Subtot CLC D / CLC G	2,739,233	1.068725084	2,927,487	0.835694	188,254	0.98819
51							
52	CLC T Tr	1,148,304	1.024172189	1,178,061	0.876398	27,757	0.95658
53							
54	SST-D & CLC-D	2,521,822	1.068362102	2,684,326	0.836012	172,404	0.98785
55							
56	GSD-1 & CLC-1(G)	17,717,878	1.072830372	19,019,149	0.832027	1,292,178	1.00212
57							
58	MET Ph	83,212	1.046417800	87,075	0.855641	3,863	0.97736
59							
60	OS-2, GSLD2, CS2, & MET	1,385,755	1.086275427	1,477,594	0.837844	91,841	0.99591
61							
62	OL-1 Sec	100,978	1.072837537	108,343	0.832021	7,365	1.00213
63							
64	SL-1 Sec	334,193	1.072837537	356,569	0.832021	24,375	1.00213
65							
66	Subtot OL1 / SL1	435,171	1.072837537	464,912	0.832021	31,740	1.00213
67							
68	SL-2 Sec	72,472	1.072837537	77,758	0.832021	5,286	1.00213
69							
70	RTP-1 Ph	0	1.046417800	0	0.800000	0	
71	RTP-1 Sec	60,029	1.072837537	64,407	0.832021	4,378	
72	Subtot RTP-1	60,029	1.072837537	64,407	0.832021	4,378	1.00213
73							
74	RTP-2 Ph	1,406	1.046417800	1,471	0.855641	65	
75	RTP-2 Sec	110,867	1.072837537	118,885	0.832021	8,018	
76	Subtot RTP-2	112,273	1.072837537	120,356	0.832021	8,083	1.00182
77							
78	RTP-3 Tr	25,352	1.024172189	25,865	0.876398	613	0.95658
79							
80	Total FPSC	77,446,837	1.071448628	82,980,307	0.833316	5,533,470	1.00074
81							
82	Total FERC Sales	1,331,141	1.024453351	1,363,692	0.876130	32,561	
83							
84	Total Company	78,777,978	1.070854532	84,344,000	0.834008	5,566,021	
85							
86	Company Use	172,005	1.072837537	184,580	0.832021	12,548	
87							
88	Total FPL	78,950,013	1.070854532	84,528,582	0.834008	5,578,569	1.00000
89							
90	Summary of Sales by Voltage						
91							
92	Transmission	3,176,963	1.024172189	3,253,757	0.876398	76,794	
93							
94	Primary	839,861	1.046417800	883,487	0.855641	43,626	
95							
96	Secondary	74,661,155	1.072837537	80,106,756	0.832021	5,445,601	
97							
98	Total	78,777,978	1.070854532	84,344,000	0.834008	5,566,021	
99							

**FLORIDA POWER & LIGHT
PROJECTED CAPACITY PAYMENTS
FOR OCTOBER 1993 - MARCH 1994**

	PROJECTED						TOTAL
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	
1. CAPACITY PAYMENTS TO NON-COGENERATORS	\$27,376,133	\$27,196,305	\$27,254,236	\$27,055,458	\$27,055,458	\$27,055,458	\$162,993,048
2. CAPACITY PAYMENTS TO COGENERATORS	\$5,079,187	\$5,078,948	\$5,078,705	\$5,309,281	\$5,504,842	\$5,504,564	\$31,555,527
3. REVENUES FROM CAPACITY SALES	<u>\$105,880</u>	<u>\$105,880</u>	<u>\$121,600</u>	<u>\$121,600</u>	<u>\$121,600</u>	<u>\$43,000</u>	<u>\$619,560</u>
4. SYSTEM TOTAL (Lines 1+2-3)	\$32,349,440	\$32,169,373	\$32,211,341	\$32,243,139	\$32,438,700	\$32,517,022	<u>\$193,929,015</u>
5. JURISDICTIONAL % *							98.59840%
6. JURISDICTIONALIZED CAPACITY PAYMENTS							\$191,210,806
7. LESS CAPACITY RELATED AMOUNTS INCLUDED IN BASE RATES (FPSC Portion Only)							\$28,472,796
8. FINAL TRUE-UP	EST / ACT TRUE-UP						(\$12,175,749)
OCT 1992 - MARCH 1993	APRIL 1993 - SEPT 1993						
(\$5,704,243) Underrecovery	(\$6,471,505) Underrecovery						
9. TOTAL (Lines 6 - 7 - 8)							\$174,913,859
10. REVENUE TAX MULTIPLIER							1.01609
11. TOTAL RECOVERABLE CAPACITY PAYMENTS							<u>\$177,728,223</u>

***CALCULATION OF JURISDICTIONAL %**

	AVG 12 CP	%
FPSC	11959	98.59840%
FERC	170	1.40160%
TOTAL	<u>12129</u>	<u>100.00000%</u>

FLORIDA POWER & LIGHT
PROJECTED CAPACITY PAYMENTS
FOR OCTOBER 1994 - MARCH 1995

	PROJECTED						TOTAL
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	
1. CAPACITY PAYMENTS TO NON-COGENERATORS	\$21,031,976	\$21,031,976	\$21,031,976	\$21,032,850	\$21,032,850	\$21,032,850	\$126,194,478
2. CAPACITY PAYMENTS TO COGENERATORS	\$11,882,158	\$11,881,903	\$11,881,650	\$12,519,865	\$12,520,169	\$12,745,374	\$73,431,219
3. REVENUES FROM CAPACITY SALES	<u>\$61,800</u>	<u>\$89,980</u>	<u>\$36,930</u>	<u>\$31,008</u>	<u>\$87,088</u>	<u>\$167,209</u>	<u>\$474,015</u>
4. SYSTEM TOTAL (Lines 1+2-3)	\$32,852,334	\$32,823,899	\$32,878,696	\$33,521,807	\$33,485,931	\$33,611,015	<u>\$199,151,682</u>
5. JURISDICTIONAL % *							97.87555%
6. JURISDICTIONALIZED CAPACITY PAYMENTS							\$194,820,804
7. LESS SJRPP CAPACITY PAYMENTS INCLUDED IN THE 1988 TAX SAVINGS REFUND DOCKET							\$28,472,798
8. FINAL TRUE-UP OCT 1993 - MARCH 1994 \$8,570,760 Overrecovery			EST / ACT TRUE-UP APRIL 1994 - SEPT 1994 \$8,210,602 Overrecovery				\$18,781,381
9. TOTAL (Lines 6 - 7 - 8)							\$149,668,647
10. REVENUE TAX MULTIPLIER							1.01809
11. TOTAL RECOVERABLE CAPACITY PAYMENTS							<u>\$152,074,783</u>

*CALCULATION OF JURISDICTIONAL %

	AVG 12 CP	%
FPSC	12992	97.87555%
FERC	282	2.12445%
TOTAL	<u>13274</u>	<u>100.00000%</u>

NOTE: BASED ON 1993 ACTUAL DATA

FLORIDA POWER & LIGHT
 PROJECTED CAPACITY PAYMENTS
 FOR OCTOBER 1995 - MARCH 1996

	PROJECTED						TOTAL
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	
1. CAPACITY PAYMENTS TO NON-COGENERATORS	\$18,526,945	\$18,616,522	\$18,218,630	\$18,370,847	\$18,370,847	\$18,370,847	\$110,474,638
2. CAPACITY PAYMENTS TO COGENERATORS	\$22,145,618	\$22,145,618	\$22,172,808	\$23,932,630	\$23,932,630	\$23,932,630	\$138,261,934
3. REVENUES FROM CAPACITY SALES	<u>\$74,330</u>	<u>\$140,620</u>	<u>\$102,570</u>	<u>\$466,881</u>	<u>\$312,311</u>	<u>\$224,796</u>	<u>\$1,321,508</u>
4. SYSTEM TOTAL (Lines 1+2-3)	\$40,598,233	\$40,621,520	\$40,288,868	\$41,836,596	\$41,991,166	\$42,078,681	<u>\$247,415,064</u>
5. JURISDICTIONAL % *							97.25530%
6. JURISDICTIONALIZED CAPACITY PAYMENTS							\$240,624,263
7. LESS: SJRPP CAPACITY PAYMENTS INCLUDED IN THE 1988 TAX SAVINGS REFUND DOCKET							(\$28,472,796)
8. FINAL TRUE-UP --overrecovery/(underrecovery) OCTOBER 1994 - MARCH 1995 \$4,856,873				EST / ACT TRUE-UP --overrecovery/(underrecovery) APRIL 1995 - SEPTEMBER 1995 (\$7,472,759)			(\$2,615,886)
9. TOTAL (Lines 6+7-8)							\$214,767,353
10. REVENUE TAX MULTIPLIER							1.01609
11. TOTAL RECOVERABLE CAPACITY PAYMENTS							<u>\$216,222,860</u>

*CALCULATION OF JURISDICTIONAL %

	AVG. 12 CP AT GEN.(MW)	%
FPSC	12,579	97.25530%
FERC	355	2.74470%
TOTAL	<u>12,934</u>	<u>100.00000%</u>

NOTE: BASED ON 1994 ACTUAL DATA

FLORIDA POWER & LIGHT COMPANY
PROJECTED CAPACITY PAYMENTS
OCTOBER 1996 THROUGH SEPTEMBER 1997

	PROJECTED												TOTAL	
	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER		
1. CAPACITY PAYMENTS TO NON-COGENERATORS	\$17,390,315	\$17,390,315	\$17,390,315	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$17,282,294	\$207,711,591
2. CAPACITY PAYMENTS TO COGENERATORS	\$26,674,718	\$26,714,318	\$26,714,318	\$27,038,910	\$27,038,910	\$27,038,910	\$27,076,818	\$27,076,818	\$27,090,238	\$27,090,238	\$27,090,238	\$27,090,238	\$27,090,238	\$323,734,872
3. CAPACITY PAYMENTS FOR MISSION SETTLEMENT	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$730,728	\$8,768,730
4. REVENUES FROM CAPACITY SALES	\$81,763	\$154,682	\$61,127	\$53,542	\$81,227	\$219,451	\$110,248	\$183,477	\$194,437	\$468,348	\$622,136	\$371,717	\$371,717	\$2,600,155
5. SYSTEM TOTAL (Lines 1+2+3+4)	\$44,713,998	\$44,680,679	\$44,774,234	\$44,998,390	\$44,970,705	\$44,832,481	\$44,979,592	\$44,908,383	\$44,908,823	\$44,636,912	\$44,481,124	\$44,731,543	\$44,731,543	\$537,614,838
6. JURISDICTIONAL %														97.33111%
7. JURISDICTIONALIZED CAPACITY PAYMENTS														\$523,268,489
8. LESS: SJRPP CAPACITY PAYMENTS INCLUDED IN THE 1986 TAX SAVINGS REFUND DOCKET														(\$56,945,592)
9. FINAL TRUE-UP - overrecovery/(underrecovery)														\$42,305,151
OCTOBER 1996 - MARCH 1996	\$28,927,083													
EST / ACT TRUE-UP - overrecovery/(underrecovery)														
APRIL 1996 - SEPTEMBER 1996						\$13,378,068								
10. TOTAL (Lines 7+8-9)														\$424,015,746
11. REVENUE TAX MULTIPLIER														1.01609
12. TOTAL RECOVERABLE CAPACITY PAYMENTS														\$430,838,159

CALCULATION OF JURISDICTIONAL %

	AVG. 12 CP AT GEN.(MW)	%
FPSC	13,018	97.33111%
FERC	357	2.66889%
TOTAL	13,375	100.00000%

NOTE: BASED ON 1995 ACTUAL DATA

FLORIDA POWER & LIGHT COMPANY
 PROJECT CAPACITY PAYMENTS
 APRIL 1997 THROUGH DECEMBER 1998*

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1. CAPACITY PAYMENTS TO NON-COGENERATORS	\$17,264,037	\$17,264,037	\$17,264,037	\$17,264,037	\$17,264,037	\$17,264,037	\$103,584,222
2a. CAPACITY PAYMENTS TO COGENERATORS	\$29,070,864	\$29,110,044	\$29,110,044	\$29,110,044	\$29,110,044	\$29,110,044	\$174,621,064
2b. MIDCOURSE CORRECTION	\$3,000,197	\$3,000,197	\$3,000,197	\$3,000,197	\$3,000,197	\$3,000,197	\$18,001,182
3. CAPACITY PAYMENTS FOR MISSION SETTLEMENT	\$1,530,589	\$0	\$0	\$0	\$0	\$0	\$1,530,589
4. REVENUES FROM CAPACITY SALES	\$120,799	\$483,344	\$283,686	\$287,629	\$262,883	\$239,589	\$1,857,930
4a. SJRPP SUSPENSION ACCRUAL	\$391,667	\$391,667	\$391,667	\$391,667	\$391,667	\$391,667	\$2,350,000
4b. RETURN REQUIREMENT ON SUSPENSION PAYMENT	\$26,271	\$30,312	\$34,354	\$38,396	\$42,437	\$46,479	\$218,249
5. SYSTEM TOTAL (Lines 1+2a-2b+3-4+4a-4b)	\$45,109,889	\$43,251,895	\$43,447,511	\$43,459,526	\$43,460,231	\$43,479,483	\$262,208,534
6. JURISDICTIONAL % **							97.19921%
7. JURISDICTIONALIZED CAPACITY PAYMENTS							\$254,864,623
8. LESS: SJRPP CAPACITY PAYMENTS INCLUDED IN THE 1988 TAX SAVINGS REFUND DOCKET							(\$28,472,796)
9a. LESS: EST \ ACT TRUE-UP -- overrecovery/(underrecovery) OCTOBER 1996 - SEPTEMBER 1997 \$5,239,868							\$5,239,868
9b. MIDCOURSE CORRECTION -- overrecovery/(underrecovery) APRIL 1997 - MARCH 1998 \$46,444,316							\$46,444,316
10. TOTAL (Lines 7+8-9)							\$175,707,643
11. REVENUE TAX MULTIPLIER							1.01609
12. TOTAL RECOVERABLE CAPACITY PAYMENTS							<u>\$178,534,779</u>

* CPRC factors are extended through December 1998 as a transition to calendar year factors.

**CALCULATION OF JURISDICTIONAL %

	AVG. 12 CP AT GEN (MW)	%
FPSC	14,998	97.19921%
FERC	432	2.80079%
TOTAL	15,430	100.00000%

** BASED ON 1996 ACTUAL DATA

**CERTIFICATE OF SERVICE
DOCKET NO. 990001-EI
TRANSMISSION RECONSIDERATION**

I **HEREBY CERTIFY** that a true and correct copy of Florida Power & Light Company's Response to Staff's Third Set of Interrogatories (7-14) has been furnished by Hand Delivery,** or U.S. Mail this 12th day of January, 1999, to the following:

Wm. Cochran Keating, Esq.**
Division of Legal Services
FPSC
2540 Shumard Oak Blvd. Rm.370
Tallahassee, FL 32399-0850

John Roger Howe, Esq.
Office of Public Counsel
111 West Madison Street
Room 812
Tallahassee, FL 32399

Joseph A. McGlothlin, Esq.
Vicki Gordon Kaufman, Esq.
McWhirter, Reeves, McGlothlin,
Davidson, et al.
117 South Gadsden Street
Tallahassee, FL 32301

Lee L. Willis, Esq.
James D. Beasley, Esq.
Ausley & McMullen
227 S. Calhoun Street
P. O. Box 391
Tallahassee, FL 32302

G. Edison Holland, Esq.
Jeffrey A. Stone, Esq.
Beggs and Lane
P. O. Box 12950
Pensacola, FL 32576

James A. McGee, Esq.
Florida Power Corporation
P. O. Box 14042
St. Petersburg, FL 33733

Kenneth A. Hoffman, Esq.
William B. Willingham, Esq.
Rutledge, Ecenia, Underwood,
Purnell & Hoffman, P.A.
P.O. Box 551
Tallahassee, FL 32302-0551

John W. McWhirter, Jr., Esq.
McWhirter, Reeves, McGlothlin,
Davidson, Rief & Bakas, P.A.
Post Office Box 3350
Tampa, Florida 33601-3350

Suzanne Brownless, P.A.
1311-B Paul Russell Road
Suite 201
Tallahassee, Florida 32301

Mr. John T. English
President & CEO
Florida Public Utilities Co.
P.O. Box 3395
West Palm Beach, FL 33402

Ms. Angela Llewellyn
Regulatory Specialist
Regulatory & Business
Specialist
Tampa Electric Co.
Post Office Box 111
Tampa, FL 33601

By: 
Matthew M. Childs, P.A.

EXHIBIT NO. _____

DOCKET NO: 990001-EI

WITNESS: M.W. HOWELL

PARTY: GULF POWER COMPANY

DESCRIPTION: COMPOSITE EXHIBIT: 1)
DEPOSITION OF M.W. HOWELL
TAKEN ON JANUARY 21, 1999,
AND 2) RESPONSE TO STAFF'S
S E C O N D S E T O F
INTERROGATORIES (NOS. 5 - 8)

PROFERRED BY: STAFF

EXHIBIT NO. _____

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO. 2
COMPANY: Staff / Howell
WITNESS: Staff / Howell
DATE: 00 / 2-12-99

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power)
 cost recovery clause and) DOCKET NO. 990001-EI
 generating performance incentive) FILED: JAN.14, 1999
 factor.)

THE DEPOSITION OF: M. W. HOWELL

TAKEN AT THE INSTANCE OF: Florida Public Service
 Commission

DATE: January 21, 1999

TIME: Commenced: 10:30 a.m.
 Concluded: 11:00 a.m.

LOCATION: Gerald L. Gunter Building
 2540 Shumard Oak Boulevard
 Room 362
 Tallahassee, Florida

REPORTED BY: Debra R. Krick
 Court Reporter and Notary
 Public in and for State
 of Florida at Large

PREMIER REPORTING
 6753 THOMASVILLE ROAD
 TALLAHASSEE, FL 32312
 (850) 894-0828

BUREAU OF REPORTING

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APPEARANCES OF COUNSEL:

On behalf of Florida Public Service Commission:

WILLIAM COCHRAN KEATING, IV, ESQ.
Florida Public Service Commission
2540 Shumard Oak Blvd
Tallahassee, FL 32399

On behalf of Gulf Power:

JEFFREY A. STONE, ESQ.
Beggs & Lane
3 West Garden Street
Pensacola, FL 32501

On behalf of Florida Power and Light:

RITA McCLELLAN, ESQ.
CORBY DUBIN, ESQ.
9250 West Flagler Street
Miami, FL

On behalf of FL Industrial Power Users Group:

VICKI KAUFMAN, ESQ.
McWhirter, Reeves, McGlothlin, Davidson,
Decker, Kaufman, Arnold & Steen
117 South Gadsden Street
Tallahassee, FL 32301

On behalf of the Citizens of Florida:

STEVE BURGESS, ESQ.
Office of Public Counsel
111 West Madison Street
Room 812
Tallahassee, FL 32399

Also appearing:

J. Todd Bohrmann, FPSC
David Wheeler, FPSC
Judy Harlow, FPSC
Tom Billinger, FPSC
Susan D. Ritenour, Gulf Power
Homer Bell, Gulf Power
Terry Davis, Gulf Power

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INDEX TO WITNESS

M. W. HOWELL

PAGE

Examination by Mr. Keating
Examination by Mr. Burgess

4
12

D E P O S I T I O N

1
2 Whereupon,

3 M.W. HOWELL

4 was called as a witness, having been first duly sworn to
5 speak the truth, the whole truth, and nothing but the
6 truth, was examined and testified as follows:

7 EXAMINATION

8 BY MR. KEATING:

9 Q Good morning, Mr. Howell.

10 A Good morning.

11 Q And I just have a few questions for you this
12 morning.

13 Let me find a good place to start.

14 In the original hearing in this docket that this
15 reconsideration hearing stemmed out of, Gulf stated that
16 it doesn't make sales in the energy broker network?

17 A That's right.

18 Q Does Southern Company make sales on the energy
19 broker network?

20 A No. It's my understanding it's just a
21 Peninsular Florida utility network. But Southern does
22 not make sales on it.

23 Q Do you believe that the Commission-approved 20
24 percent stockholder incentive, applies to all economy
25 sales, or only economy sales made over the broker

1 network?

2 A I am sorry, say that again.

3 Q Do you believe that the 20 percent stockholder
4 incentive that was approved by the Commission applies to
5 all economy sales, or to only economy sales made over the
6 broker network?

7 A Well, I am only familiar with Gulf, and it
8 applies to our economy transactions.

9 It is my understanding, but I don't know for a
10 fact, that that also applies to the Peninsular Florida
11 companies. They are broker transactions, it does apply
12 to that. They -- you know, if they make transactions
13 outside the broker, economy transactions, it's my
14 understanding it applies to that, too. But I do not know
15 that for a fact. That's just my general understanding.
16 It does apply to Gulf's economy transaction, none of
17 which are on the broker -- energy broker network.

18 Q What do you base your understanding on in that
19 area?

20 A Oh, I have read a few of the prior orders that
21 they have issued, and --

22 Q Okay. Is there any particular order that you
23 can point out?

24 A I didn't memorize it. I am sorry.

25 Q Okay.

1 MR. STONE: Is that a subject of this
2 proceeding? I don't recall an issue being identified
3 with regard to that, for this aspect of the case. In
4 fact, I thought we went to great lengths not to have
5 an issue identified to that case.

6 MR. KEATING: Can we go off the record for a
7 second?

8 (Discussion off the record.)

9 MR. KEATING: We are back on the record. Staff
10 would request that Gulf provide a late filed exhibit
11 to the deposition.

12 MR. STONE: Oh, Cochran, let me try to
13 define --

14 THE WITNESS: Specifying the orders that give
15 us that authority?

16 MR. KEATING: Exactly.

17 MR. STONE: Like I said, I was going to try to
18 do that.

19 THE WITNESS: I am sorry.

20 MR. STONE: I couldn't do it better than that.
21 We will endeavor to give you a late-filed
22 exhibit that gives those orders.

23 MR. KEATING: Okay.

24 BY MR. KEATING:

25 Q In issue one, I am looking at -- well, I don't

1 have Gulf's prehearing statement in front of me, but --
2 now I do.

3 In issue one, in your statement of issues and
4 positions in the prehearing statement -- and that's page
5 two of the prehearing statement -- Gulf states that FERC
6 caused the revenue from non-firm transmission services
7 subject to FERC jurisdiction, be reflected as a revenue
8 credit in the -- be reflective of firm transmission
9 service rates, for transmission providers using annual
10 system peak load pricing for their transmission services.

11
12 Are all IOUs required by FERC to use annual
13 system peak load pricing for the transmission services?

14 A I am not sure. I do know that all of the -- all
15 the tariffs are very similar, but I am just not sure.
16 FERC -- FERC is very specific in some areas about what
17 they want included in that. And it may be that, you
18 know, their tariffs are a little bit different.

19 But the tariffs coming out of 888, the intent
20 was that all non-firm transactions -- all non-firm
21 transactions -- it's my understanding, those revenues
22 must be credited regardless of what they use.

23 Q Are you aware of any instances where FERC has
24 allowed an IOU to not use that sort of pricing?

25 A No, I am not. They -- you know, they have

1 stated in the orders themselves -- and in other documents
2 that I just can't recall exactly what they are -- that it
3 is clear they don't want someone to, in effect, overearn.
4 So you have to reflect those credits in there; otherwise,
5 in their estimation, you're overcharging.

6 We have been doing that -- that's been a part of
7 our filings with FERC in our tariffs long before the idea
8 of 888 was born. This goes way back to putting those
9 revenue credits into the calculation. It was not
10 something that was initiated at the time that 888 changes
11 were made. It long predates that.

12 Q Okay. Looking at page seven of your testimony,
13 on roughly around line 19 -- I believe it's that portion
14 of the testimony -- you discuss a settlement agreement
15 involving Southern's open-access transmission tariff?

16 A Yes.

17 Q Which is then reviewed by FERC?

18 A Yes.

19 Q I was just curious about the status of that
20 settlement agreement.

21 A Verbal agreement among all the intervenors,
22 Southern and the FERC staff has been reached. We are
23 going to file the end of this month, ballpark, a written
24 document that basically puts in writing what we say we
25 all agreed to, and that would be like an application to

1 FERC.

2 FERC, it's my understanding, would then have an
3 Administrative Law Judge rule on that. And then it would
4 later go to the full FERC Commission.

5 The timing of that -- the timing as to how long
6 that could take is really uncertain. Some dockets before
7 FERC just stay up there for years. Because this one, we
8 don't expect anybody to contest it, we think it will go
9 through, you know, a lot faster. Now, how fast fast is,
10 I don't have a clue.

11 But in the settlement -- the settlement has been
12 verbally agreed to at this point.

13 Q Since you filed your testimony, have there been
14 any changes that you would consider significant to the --
15 to that verbal agreement?

16 A No. They -- and I forget when this testimony
17 was filed. They were still trying to iron out, you know,
18 some minor wrinkles and everything. But nothing
19 substantive has changed, other than they finally ironed
20 out all the wrinkles, and we have finalized a verbal
21 agreement.

22 Q So then you are still not crediting the non-firm
23 transmission revenues; is that correct?

24 A Well, right now, we are operating under the
25 tariff that we filed with FERC, which was a conforming

1 tariff, which does have those credits in there. And I
2 don't know -- I personally don't know if we are going to
3 go back, and what we had been collecting up to this point
4 will be subject to any refunds. But the revenue credits
5 are in, the conforming tariff that we filed.

6 The special tariff that was a result of the
7 negotiated settlement will basically not have any revenue
8 credits in there. It will just have a rate that will be
9 fixed. It will not have annual updates. It will be
10 fixed until some party comes in and says, we want to
11 reopen this thing, or whatever.

12 And that could be -- you know, theoretically,
13 somebody could come in the day after it's approved. It's
14 not likely. But our expectation is that it will probably
15 ride as a fixed amount for a few years. And however long
16 that is, we can't predict, based on the rights that the
17 parties have to petition before FERC.

18 Q Do you define economy sales, sort of split the
19 savings manner, or is it all opportunity sales?

20 A Well, there are two types. With the latter,
21 there are two types. There are split the savings, and
22 then there are market-based economy transactions.

23 And I talked about that in my testimony at the
24 hearing, where parties will agree on some level that they
25 will make a transaction. It's not -- it does not have to

1 be tied to incremental, decremental cost, that type
2 thing. They will just agree on a price.

3 And we saw this all over the U.S. in this last
4 summer in a lot of market transactions, and prices varied
5 according to the market at each hour.

6 Q All right. I think we are about done here. But
7 let me go off the record for a second.

8 A Sure.

9 (Discussion off the record.)

10 MR. KEATING: On the record.

11 BY MR. KEATING:

12 Q Do you apply the 20 percent stockholder
13 incentive to all economy sales or only to split the
14 savings economy sales?

15 A All.

16 Q Okay.

17 MR. KEATING: I think that's all that we -- all
18 that we have for you, Mr. Howell.

19 THE WITNESS: Okay.

20 MR. BURGESS: Do you mind if I ask Mr. Howell
21 some questions?

22 MR. STONE: Assuming the question.

23 MR. BURGESS: I will ask them one by one, and
24 you tell me.

25 THE WITNESS: One at a time.

CROSS EXAMINATION

1
2 BY MR. BURGESS:

3 Q I want to get some sense of your economy sales.
4 Are you -- is Gulf -- or, I mean, is Southern Company
5 effectively on a broker system that's similar to your
6 understanding of Peninsular Florida broker system with
7 other electricity producers?

8 A Steve, let me answer it this way, we are not on
9 the broker. There was a Southern -- and I have probably
10 got the acronym wrong -- called AIMS automated
11 interchange matching system, or whatever that was
12 predated the FERC 888 efforts.

13 And that was an attempt to set up a large
14 southeast broker type system that would match buyers and
15 sellers. And we were involved in that.

16 I haven't personally heard anything about that.
17 I think it is still around, but I think there are very
18 few, if any, transactions that actually take place. Most
19 of our transactions are market transactions where we
20 contact other utilities, and we either buy or sell,
21 depending on our needs and their needs.

22 The great -- I am just not aware if we have any
23 of that matching left. But if we do, it's a relatively
24 small percentage over overall transactions. And there is
25 no other automated southeast type matching system like

1 the Florida broker. It is strictly the companies, you
2 know, buying and selling individually, that type.

3 Q What I understood the main value of the broker
4 system, was the real time match-up of need -- of one
5 company to the availability of the other. I assume AIMS
6 did the same, like an hour-to-hour basis of what the
7 status of the companies were, with regard to the plants
8 that they were about to bring on-line or take off-line?

9 A That's correct.

10 Q Well, how do you do that? I mean, I assume you
11 still try to do that for efficiency's sake, even outside
12 the AIMS process. How do you go about that, how do you
13 communicate with the other systems to --

14 A They have a lot of little magic knowledge that
15 they use. But, basically, they know -- the people that
16 are in that marketing area know what the -- they just
17 pick up the phone and call and ask what people need, do
18 they have anything to sell, do they need anything. And
19 they just keep up with the prices.

20 Q So it's just direct communication, rather than a
21 broker doing it?

22 A It's not an automated system, that's correct.
23 Yes.

24 Q Okay. If FERC -- under the FERC jurisdiction,
25 it created this split the savings, as established in the

1 price mechanism. Can you tell me what process you go
2 through to remove yourself from that, in order to come up
3 with market base? And I guess this is what I am saying.
4 Let me ask it this way. If there is a tariff that says,
5 for these types of transactions FERC expects you to split
6 the savings, how do you get around to a market base,
7 something to where you might -- the seller might keep 80
8 percent or only 10 percent of the differential?

9 A Well, if you would --

10 MR. STONE: Steve, I think your question --

11 MR. BURGESS: It's -- is it a legal question?

12 MR. STONE: I think your question, two concepts
13 of it. At least it did in the way I heard it.

14 MR. BURGESS: Okay.

15 MR. STONE: The first part of your question, I
16 thought you were getting into directly, was how do
17 you transition from a FERC tariff that calls for a
18 split the savings pricing mechanism, to a
19 market-based pricing mechanism.

20 MR. BURGESS: Exactly. That was to be all of my
21 question.

22 MR. STONE: Okay. You threw in the 10
23 percent --

24 MR. BURGESS: That was a number I made up. I
25 was just saying, how do you move from it being 50

1 percent split to something else --

2 MR. STONE: Okay.

3 MR. BURGESS: -- that's other than 50 percent.

4 THE WITNESS: I will tell you all I know. How
5 is that?

6 BY MR. BURGESS:

7 Q That's good.

8 A At one time -- and this was the case maybe a
9 year-and-a-half or so ago. The companies had tariffs
10 with each other where they could make economy
11 transactions. They actually had a FERC-filed tariff or
12 schedule that allowed them to make transactions with each
13 other.

14 You also can file a tariff petitioning FERC to
15 get a market-based rate. And there -- there were certain
16 conditions that you had to meet. And I don't remember if
17 you had to file a system-wide tariff or what. But
18 whatever you had to do, we have done that. And that's
19 way back in my memory, now. And everybody's, you know,
20 doing it on the market-based rate.

21 Q Some set of conditions that you don't recall all
22 the specifics?

23 A That's correct.

24 Q That you just meet?

25 A That's right. We don't deal with that every

1 day. So it's long faded in my memory.

2 Q Well, how do you -- and I think you did provide
3 this in your testimony at the original hearing on this.
4 But how do you then define economy transactions, if they
5 can be either market-based or meet this FERC tariff of
6 split the savings, what -- how would you separate in your
7 conceptual understanding, economy sales from non-economy
8 off system sales?

9 A Well, an economy transaction is an opportunity.
10 Does an opportunity exist this hour to make that
11 transaction, or does an opportunity exist to make an
12 eight-hour, you know, type transaction?

13 If you have got enough generation to meet your
14 load, and you don't need -- you know, you don't have to
15 buy anything, then an economy transaction would be where
16 somebody else could maybe sell it to you cheaper than
17 what you could generate.

18 Q Well, could I -- do I properly, then, understand
19 the difference is that if you have a preexisting contract
20 for an amount of sale, that would be non-economy; and if
21 you have -- it is more ad hoc basis, you -- everything
22 that falls into that category, you would call economy
23 sales?

24 A Well, I wouldn't say everything. But certainly,
25 if you have a contract like the UPS contracts that call

1 for like-base energy, supplemental, alternate and all of
2 that, all of those are transactions that occur under the
3 contract. An economy transaction is something that is
4 not a -- there is no firm contract covering it. You
5 either make it or not make it that hour, depending on
6 whether the parties, you know, want to make it. But
7 there is no obligation for anyone to make that
8 transportation. The incentive is that hopefully both
9 parties save money.

10 Q Do you remember at all why Gulf is not part of
11 the Peninsular Florida broker system? I mean, other than
12 it not being in the Peninsular Florida, I mean, was there
13 a reason that you recall, regulatory reason, something
14 else that caused that?

15 A There was no regulatory reason. At the time,
16 the Commission had just gone through a study with the
17 Peninsular utilities on optimized generation expansion.
18 The utilities were not -- they were separate utilities,
19 no corporate ties. And they -- the Commission wanted to
20 know what would an optimized generation expansion plan
21 look like.

22 And so a study was done that said, if the
23 individual utilities plan their systems this way, here is
24 what the cost, the expansion will be. If they do
25 optimized planning, as a Peninsular, here's what the cost

1 would be. And then compared those costs. And it was
2 slightly lower, you know, if they planned as a single
3 system.

4 So the Commission got interested then and, well,
5 each utility basically -- and I am saying
6 basically -- dispatches its generation to meet its load,
7 and there are some economy transactions that are taking
8 place among the Peninsular utilities at the time. But
9 they are not centrally dispatched.

10 So they did a central dispatch study that said,
11 if we could go into a central dispatch in the state, how
12 much money would that save? And it saved X-dollars.

13 The only problem was, it was going to cost
14 Y-dollars, which I think exceeded that savings to set up
15 the central dispatch system. And the broker system was,
16 in approximation to the central dispatch, cost very
17 little to implement and was thereby implemented.

18 Gulf was already part of a true instantaneous
19 economic central dispatch system in Southern. So it
20 would be kind of difficult for us to include them or
21 exclude us and all. So it was just almost a natural fit
22 that we not be a part of that.

23 Q You were -- you had spoken about the revenue
24 credits that is part of the FERC tariff, the revenue
25 credits from transmission? I am switching to the

1 transmission revenue credits.

2 A Yes.

3 Q When you say that -- and as I understand it,
4 FERC basically takes the previous year's transmission
5 revenue and credits it in establishing the new
6 transmission tariff.

7 A Correct. That's correct.

8 Q Okay. I assume they credit into the federal
9 jurisdiction for off-system sales only the allocated
10 portion, the portion that would be allocated to the
11 federal, to the non-Public Service Commission?

12 A No. It's a single rate. They just take total
13 system. We don't do any separation in coming up with
14 those transmission rates.

15 Q Okay.

16 A You take your total system cost, you take your
17 total system credits, you get a rate, here's the rate.

18 Q Okay. And then, so, obviously, then total
19 system credits are added to it, once you have gotten
20 total system cost?

21 A Yeah. You look at your total system cost, and
22 then subtract out the total system credits that you get,
23 and then the net is what you apply as a transmission
24 rate.

25 Q Okay. And then you discussed the annual system

1 peak load pricing method as calculating the tariff that
2 is used by FERC for calculating transmission tariff; is
3 that right? Did I understand that correctly?

4 A I didn't get into peak load pricing. You use
5 that calculation to come up with a tariff for a firm
6 rate, for firm transmission.

7 Q Right. And, basically, is that the -- is that
8 the annual kilowatt hour peak or kilowatt peak? I mean,
9 is that what's used as a numerator, for calculating a
10 price over the denominator, which is the cost?

11 A Well, the numerator is the cost. The
12 denominator is the load. You get dollars per kilowatt.

13 Q Okay.

14 A And I am -- I don't get involved in the
15 calculation. I am not sure if they take an average of
16 the 12 monthly peaks, if they take the five-day average;
17 but it is -- it is intended to be the peak load on the
18 system. But it's -- it's applied consistently, though.

19 MR. BURGESS: Okay. Thank you very much. I
20 appreciate that.

21 MR. STONE: I really object to all. I am just
22 kidding.

23 Is that it?

24 MR. KEATING: Well, I believe that's it. That
25 would conclude Mr. Howell's deposition.

1 (Whereupon, the deposition was concluded 11:00
2 a.m., and reading and signing by the witness was not
3 waived.)
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TRANSCRIPT CERTIFICATE

1
2 STATE OF FLORIDA)

3 COUNTY OF LEON)

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14 anywise interested in the result of said case.

15 Dated this 2nd day of Feb., 1998.

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19 DEBRA R. KRICK

20 Court Reporter and Notary Public

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C O R R E C T I O N S

1
2 Corrections to the deposition of M. W. HOWELL, taken In
3 Re: Fuel and purchased power cost recovery clause and
4 generating performance incentive factor, Docket No.
5 990001-EI, taken on January 21, 1999.

Page-Line

Correction

AS TO SIGNATURE ONLY

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13 Under penalties of perjury, I declare that I
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DEPOSITION OF HOWELL 1/21/99 IN RE: FUEL AND PURCHASED POWER, ETC.

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<p>x-dollars (1) 18:12</p>	<p>x-dollars (1) 18:12</p>
Y	
<p>y-dollars (1) 18:14 year's (1) 19:4 year-and-a-half (1) 15:9 years (2) 9:7 10:15 yourself (1) 14:2</p>	<p>y-dollars (1) 18:14 year's (1) 19:4 year-and-a-half (1) 15:9 years (2) 9:7 10:15 yourself (1) 14:2</p>

5. For the purpose of answering the following two interrogatories, assume that the Commission orders transmission revenues received in conjunction with economy EBN transactions to be allocated based upon the jurisdictional factor for transmission services:
- (a) indicate how the Commission should amend its Schedule A1 through Schedule A9 to show the impact of its order; and
 - (b) indicate how the Commission should amend its Schedule E1 through Schedule E10 to show the impact of its order.

Answer:

At this time, it is anticipated that alterations would be necessary to schedules A-1, A-2, and A-6 and corresponding schedules E-1, (including E-1B, E-1B-1, and E-1D), E-2, and E-6. The identified A and E schedules would require substantial revisions to incorporate the use of a transmission-related jurisdictional separation factor based on coincident peak demand. The administrative costs associated with making such changes are unwarranted. For Gulf, there is no material difference in a jurisdictional separation factor based on coincident peak demand and a jurisdictional separation factor based on kwh sales; consequently the revenues that would flow to Gulf's customers through the fuel clause under a demand allocator would remain virtually unchanged from the present method.

- (a) In order to accommodate the use of a demand allocator for transmission revenues received in conjunction with economy sales, the transmission revenues would be excluded from the "Estimated Economy Sales" and "Other Transactions" lines and the resulting total lines on Schedule A-6. As a result of this change, Schedule A-2 Section A must be altered by adding a new subtotal line for transactions subject to the energy allocator and a new line for the transmission revenues subject to the demand allocator. Some of the line descriptions for Section A would need to be edited. In Section B of Schedule A-2, several new lines would be needed to show the calculation of a demand allocator for transmission revenues. The true-up calculation included in Section C of Schedule A-2 would also be changed by adding additional lines to separate the revenues subject to the demand allocator from the expenses subject to the energy allocator and to reflect appropriate subtotals. Various line descriptions and formulas in Section C would need to be edited to reflect the numeric changes. Changes to Schedule A-1 would begin with numeric changes to Line 14, "Fuel Cost of Economy Sales" and the subtotals on Line 18, "Total Fuel Costs & Gains of Power Sales", and Line 20, "Total Fuel & Net Power Transactions for Energy", as a result of the changes to Schedule A-6. A new line

for "Transmission Revenue" could be labeled Line 20a, and a new total line entitled "Total ALL Fuel & Net Power Transactions (Demand & Energy)" could be labeled Line 20b. Another new line, 27a, would be added to the schedule for the "Jurisdictional Transmission Revenue" (this same information has been added to Schedule A-2, Section C). This amount would reduce the "TOTAL FUEL COST", Line 29, as would be reflected in a formula change.

- (b) Changes to the estimated schedules would be similar to those needed for the actual schedules. Projected transmission revenue is currently included on the "Economy Sales" line for each month on Schedule E-6. The projected transmission revenue would be excluded from those lines, the subtotals, and totals. On Schedule E-2, the line description for Line 5 would need to be changed to reflect a subtotal of "Total Fuel & Net Power Transaction *for Energy*". Additional lines would be necessary for "Transmission Revenue" and a new total line entitled "Total All Fuel & Net Power Transactions (Energy and Demand)". The demand allocator should be included on a new line, 6b, "Jurisdictional Demand Allocator for Transmission Revenues". In the section where the calculation of the recovery factor is illustrated in cents/kwh, an additional line 7c would be needed to include transmission revenues. There would also be formula changes to this section of the report that are not obvious from the face of the schedule. Other lines may require new line descriptions. The changes to Schedule E-1 would mimic the changes to Schedule A-1. The changes to Schedule E-1B would shadow the changes to Schedule A-2. Schedule E-1B-1 follows the layout of Schedule A-1; consequently the changes to this schedule would be the same as those already described for Schedule A-1. On Schedule E-1D, the line currently titled "Jurisdictional Fuel Factor" should be edited to "Jurisdictional Fuel Factor for Energy". New lines are needed for "Transmission Revenue" and "Jurisdictional Fuel Factor (Energy and Demand)". Some formula changes would also be necessary.

6. Could Gulf Power Company's retail jurisdictional separation factor for transmission services be greater than its retail jurisdictional factor for generation service? If so, provide an example.

Answer:

For purposes of this discussion, it is assumed that the retail jurisdictional separation factor for transmission services would be the same as that used in the Capacity Cost Recovery Clause filings (a demand allocator which is updated every two years based on actual load data.)

Also, "retail jurisdictional factor for generation service" is assumed to be the retail jurisdictional factor historically used in the fuel filings (which is based on kwh sales) adjusted for line losses. Based on these assumptions, over the past two years the retail jurisdictional separation factor for the Capacity Cost Recovery Clause filings has consistently been slightly less than the actual retail jurisdictional factor calculated in the monthly fuel filings after it is adjusted for line losses. This relationship is expected to continue. It is important to note that the largest difference between these two jurisdictional factors in any month during the last two years is .55%.

7. Please provide a calculation of Gulf's 12 CP retail/wholesale separation factor based on the most recently available 12-month period actual CP demands.

Answer:

GULF POWER COMPANY
CALCULATION OF 1997 12CPKW AT GENERATION BY RATE CLASS

RATE CLASS	(1) 1997 12CPKW @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) 1997 12CPKW @ GENER.	(4) JURIS. ALLOCATOR
RS/RST	818,073.00	1.1019333	901,461.88	
GS/GST	45,752.25	1.1019255	50,415.57	
GSD/GSDT	315,521.33	1.1016647	347,598.72	
LP/LPT	184,352.75	1.0601470	195,441.01	
PX/PXT/RTP/CISR/SBS	131,781.92	1.0313379	135,911.69	
OSI/OSII	2,735.25	1.1020255	3,014.32	
OSIII	2,333.25	1.1024447	2,572.28	
OSIV	<u>1,003.17</u>	1.1024447	<u>1,105.94</u>	
JURISDICTIONAL	1,501,552.92		1,637,521.41	96.48271%
WHOLESALE	<u>57,882.25</u>	1.0313354	<u>59,696.01</u>	<u>3.51729%</u>
TERRITORIAL	<u>1,559,435.17</u>		<u>1,697,217.42</u>	<u>100.00000%</u>

8. Beginning on page 3, line 21, of witness M. W. Howell's testimony, it is stated that FERC requires that revenue from non-firm transmission services be reflected as a revenue credit in the derivation of firm transmission service rates. Was FERC addressing total non-firm transmission revenues, or only those non-firm transmission revenues which have been allocated to wholesale customers after separation? Provide citations to those portions of FERC Orders 888 and 888-A which support your opinion.

Answer:

The language on page 304 of FERC Order 888 and page 247 of FERC Order 888-A regarding the non-firm revenue credit requirement addressed in M. W. Howell's testimony does not specify whether total non-firm transmission revenues or those jurisdictionally separated, non-firm transmission revenues allocated to wholesale customers are to be used in the derivation of firm transmission service rates.

However, when there is only one firm transmission rate used for an entire transmission system, it is commonly assumed by all parties that all such non-firm transmission service revenues will be credited. Southern, in its most recent transmission service tariff filing with the FERC, has included total non-firm transmission service revenues in the derivation of its firm transmission service rate. This is a consistent approach, since Southern's total transmission system load and its total transmission system costs are also used in the calculation of the firm transmission service rate.

EXHIBIT NO. _____

DOCKET NO: 990001-EI

WITNESS:

PARTY: TAMPA ELECTRIC COMPANY

DESCRIPTION: COMPOSITE EXHIBIT:
1) RESPONSES TO STAFF'S
FIFTH SET OF
INTERROGATORIES (NOS. 23 -
28), AND 2) RESPONSES TO
STAFF'S FIRST REQUEST FOR
PRODUCTION OF DOCUMENTS
(NO. 1)

PROFERRED BY: STAFF

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO 3
COMPANY: Staff
WITNESS: 002-12-99
D:

**TAMPA ELECTRIC COMPANY
DOCKET NO. 990001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 23
FILED: JANUARY 14, 1999
PAGE 1 of 45
TRANSMISSION RECONSIDERATION**

23. For the purpose of answering the following two interrogatories, assume that the Commission orders transmission revenues received in conjunction with economy EBN transactions to be allocated based upon the jurisdictional factor for transmission services:
- a) indicate how the Commission should amend its Schedule A1 through Schedule A9 to show the impact of its order; and
 - b) indicate how the Commission should amend its Schedule E1 through Schedule E10 to show the impact of its order.
- A.
- a) Tampa Electric proposes to modify Schedules A1, A2 and A6 in order to show the amount and allocation of the economy sales transmission revenues. Schedule A6 is the schedule which identifies the fuel and total costs (including transmission costs) for economy sales. On page 1 of Schedule A6, a line will be added to the section on the estimated sales to include a line showing the estimated economy transmission revenues. Column 8 on Page 2 of the upper section of Schedule A6 includes transmission costs where Column 7 does not. TEC identifies the transmission revenues in a footnote at the bottom of page 2 and subtracts 80% of this amount from the total economy power sales. This amount is then credited to the retail jurisdiction as shown on Schedules A1 (Line 31a) and A2 (Lines 6a-c). To illustrate this, Tampa Electric is providing an example of what the A schedules for the months of April 1998 through September 1998 would be if these modifications were approved
 - b) Likewise, Tampa Electric proposes to modify Schedules E1, E-1B, E-1B-1, E-2 and E6 in the same manner as the corresponding A Schedules. Tampa Electric is providing an example of these schedules showing the proposed modifications.

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: APRIL, 1998

SCHEDULE A1

	\$				MWH				cents/MWH			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%			AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	27,437,871	29,909,035	(2,471,161)	(8.3)	1,329,967	1,400,925	(70,958)	(5.1)	2.06305	2.13195	(0.07190)	(3.4)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4a. Adj. to Fuel Cost (Fl. Heade/Vauch. Wheeling Losses)	(2,990)	(3,500)	510	(14.6)	1,329,967 (a)	1,400,925 (a)	(70,958)	(5.1)	(0.00022)	(0.00025)	0.00003	(12.0)
4b. Adjustments to Fuel Cost	0	0	0	0.0	1,329,967 (a)	1,400,925 (a)	(70,958)	(5.1)	0.00000	0.00000	0.00000	0.0
4c. Adjustments to Fuel Cost	0	0	0	0.0	1,329,967 (a)	1,400,925 (a)	(70,958)	(5.1)	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	27,434,881	29,905,535	(2,470,651)	(8.3)	1,329,967	1,400,925	(70,958)	(5.1)	2.06282	2.13470	(0.07188)	(3.4)
6. Fuel Cost of Purchased Power - Firm (A7)	195,778	511,800	(316,022)	(61.7)	18,616	12,330	6,286	51.0	1.05167	4.15085	(3.09918)	(74.7)
7. Energy Cost of Sch. C, I Economy Purchases (Broker) (A9)	13,228	80,700	(67,472)	(83.6)	466	1,868	(1,402)	(75.1)	2.83863	4.32013	(1.48150)	(34.3)
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0 (a)	0 (a)	0	0.0	0.00000	0.00000	0.00000	0.0
11. Payments to Qualifying Facilities (A8)	638,325	899,600	(261,275)	(29.0)	39,942	38,677	1,265	3.3	1.59813	2.32593	(0.72780)	(31.3)
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	847,331	1,492,100	(644,769)	(43.2)	59,024	52,875	6,149	11.6	1.43557	2.82194	(1.38637)	(49.1)
13. TOTAL AVAILABLE MWH (LINE 5 + LINE 12)					1,388,991	1,453,800	(64,809)	(4.5)				
14. Fuel Cost of Economy Sales (A6)	1,307,746	1,590,800	(283,054)	(17.8)	94,397	103,172	(8,775)	(8.5)	1.38537	1.54189	(0.15652)	(10.2)
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSN.	194,902	432,720	(237,818)	(55.0)	94,397 (a)	103,172 (a)	(8,775)	(8.5)	0.20647	0.41942	(0.21295)	(50.8)
16. Fuel Cost of Sch. D Separ. Sales (A6)	402,503	424,100	(21,597)	(5.1)	28,807	29,440	(633)	(2.2)	1.39724	1.44056	(0.04332)	(3.0)
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	83,332	57,200	26,132	45.7	5,685	3,554	2,131	60.0	1.46582	1.60945	(0.14363)	(8.9)
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	131,134	129,700	1,434	1.1	5,171	5,400	(229)	(4.2)	2.39689	2.40185	(0.00496)	(0.2)
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	219,841	508,100	(288,259)	(56.7)	9,252	22,231	(12,979)	(58.4)	2.37618	2.28555	0.09063	4.0
21. Fuel Cost of Other Power Sales (A6)	264,157	897,600	(633,443)	(70.6)	16,664	61,200	(44,536)	(72.8)	1.58520	1.46667	0.11853	8.1
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	2,603,618	4,040,220	(1,436,602)	(35.6)	160,276	224,997	(64,721)	(28.8)	1.62446	1.79568	(0.17122)	(9.5)
23. Net Inadvertent Interchange					595	0	595	0.0				
24. Wheeling Rec'd. less Wheeling Delv'd.					616	0	616	0.0				
25. Interchange and Wheeling Losses					3,265	3,400	(135)	(4.0)				
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	25,678,597	27,357,415	(1,678,818)	(6.1)	1,226,661	1,225,403	1,258	0.1	2.09337	2.23252	(0.13915)	(6.2)
27. Net Unbilled	(67,072) (a)	44,226 (a)	(111,298)	(251.7)	(3,204)	1,981	(5,185)	(261.7)	(0.00547)	0.00361	(0.00908)	(251.5)
28. Company Use	74,196 (a)	81,836 (a)	(7,640)	(11.8)	3,573	3,800	(227)	(6.0)	0.00636	0.00731	(0.00095)	(13.0)
29. T & D Losses	1,034,418 (a)	1,332,881 (a)	(298,463)	(22.4)	49,414	59,703	(10,289)	(17.2)	0.08790	0.11491	(0.02701)	(23.5)
30. System MWH Sales	25,678,597	27,357,415	(1,678,818)	(6.1)	1,176,878	1,159,919	16,959	1.5	2.18193	2.35856	(0.17663)	(7.5)
31. Wholesale MWH Sales	(235,342)	(79,744)	(155,598)	195.1	(10,786)	(3,381)	(7,405)	219.0	2.18192	2.35859	(0.17667)	(7.5)
31a. Jurisdictional Transmission	(103,039)	0	(103,039)	0.0								
32. Jurisdictional MWH Sales	25,340,216	27,277,671	(1,937,455)	(7.1)	1,166,092	1,156,538	9,554	0.8	2.17309	2.35856	(0.18547)	(7.9)
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional MWH Sales Adjusted for Line Losses	25,343,510	27,281,217	(1,937,707)	(7.1)	1,166,092	1,156,538	9,554	0.8	2.17337	2.35887	(0.18550)	(7.9)
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	422,211	427,865	(5,654)	(1.3)	1,166,092	1,156,538	9,554	0.8	0.03621	0.03700	(0.00079)	(2.1)
36. Fuel Credit Differential - FXPA Sale	(13,179)	(517,734)	504,555	(97.5)	1,166,092	1,156,538	9,554	0.8	(0.00113)	(0.04477)	0.04364	(97.5)
37. True-up *	(728,854)	(728,854)	0	0.0	1,166,092	1,156,538	9,554	0.8	(0.06250)	(0.06302)	0.00052	(0.8)
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	25,023,688	26,462,494	(1,438,806)	(5.4)	1,166,092	1,156,538	9,554	0.8	2.14594	2.28808	(0.14214)	(6.2)
39. Revenue Tax Factor									1.00083	1.00083	0.00000	0.0
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.14772	2.28998	(0.14226)	(6.2)
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,591)	0	0.0	1,166,092	1,156,538	9,554	0.8	(0.00520)	(0.00524)	0.00004	(0.8)
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	24,963,097	26,401,903	(1,438,806)	(5.4)	1,166,092	1,156,538	9,554	0.8	2.14252	2.28474	(0.14222)	(6.2)
43. Fuel FAC Rounded to the Nearest .001 cents per MWH									2.143	2.285	(0.142)	(6.2)

* Based on Jurisdictional Sales (a) included for informational purposes only

PAGE 2 OF 45

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: APRIL, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 1 OF 3

					PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	27,437,874	29,909,035	(2,471,161)	(8.3)	27,437,874	29,909,035	(2,471,161)	(8.3)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	2,603,618	4,040,220	(1,436,602)	(35.6)	2,603,618	4,040,220	(1,436,602)	(35.6)
3. FUEL COST OF PURCHASED POWER	195,778	511,800	(316,022)	(61.7)	195,778	511,800	(316,022)	(61.7)
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	638,325	899,600	(261,275)	(29.0)	638,325	899,600	(261,275)	(29.0)
4. ENERGY COST OF ECONOMY PURCHASES	13,228	80,700	(67,472)	(83.6)	13,228	80,700	(67,472)	(83.6)
5. TOTAL FUEL & NET POWER TRANSACTION	25,681,587	27,360,915	(1,679,328)	(6.1)	25,681,587	27,360,915	(1,679,328)	(6.1)
6a. ADJUSTMENTS TO FUEL COST (Ft. Meade/Wauchula Wheeling Losses)	(2,990)	(3,500)	510	(14.6)	(2,990)	(3,500)	510	(14.6)
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS.	25,678,597	27,357,415	(1,678,818)	(6.1)	25,678,597	27,357,415	(1,678,818)	(6.1)
* INCLUDES ECONOMY SALES PROFITS (80%)								
B. MWH SALES								
1. JURISDICTIONAL SALES	1,166,092	1,156,538	9,554	0.8	1,166,092	1,156,538	9,554	0.8
2. NONJURISDICTIONAL SALES	10,786	3,381	7,405	219.0	10,786	3,381	7,405	219.0
3. TOTAL SALES	1,176,878	1,159,919	16,959	1.5	1,176,878	1,159,919	16,959	1.5
4. JURISDIC. SALES-% TOTAL MWH SALES	0.9908351	0.9970851	(0.0062500)	(0.6)	0.9908351	0.9970851	(0.0062500)	(0.6)

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: APRIL, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 2 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	26,976,474	26,996,593	(20,119)	(0.1)	26,976,474	26,996,593	(20,119)	(0.1)
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,854	728,854	0	0.0	728,854	728,854	0	0.0
b. INCENTIVE PROVISION	60,591	60,591	0	0.0	60,591	60,591	0	0.0
c. OTHER ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	27,765,919	27,786,038	(20,119)	(0.1)	27,765,919	27,786,038	(20,119)	(0.1)
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	25,678,597	27,357,415	(1,678,818)	(6.1)	25,678,597	27,357,415	(1,678,818)	(6.1)
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B-4)	0.9908351	0.9970851	(0.0062500)	(0.6)	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR. TRANS (EXCLUDING ECONOMY TRANS. REV.)	25,443,255	27,277,671	(1,834,416)	(6.7)	25,443,255	27,277,671	(1,834,416)	(6.7)
5b. 80% ECONOMY TRANSMISSION REVENUES	(121,680)	0	(121,680)	0.0	(121,680)	0	(121,680)	0.0
5c. TRANSMISSION SEPARATION FACTOR	0.8468025	0.0000000	0.8468025	0.0	NA	NA	0	0.0
5d. JURIS. ECONOMY TRANSMISSION REV.	(103,039)	0	(103,039)	0.0	(103,039)	0	(103,039)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCLUDING ECONOMY TRANS. REV.)	25,340,216	27,277,671	(1,937,455)	(7.1)	25,340,216	27,277,671	(1,937,455)	(7.1)
6A. JURISDIC. LOSS MULTIPLIER	1.00013	1.00013	0.00000	0.0	NA	NA	-	-
6B. (LINE 6 x LINE 6A)	25,343,510	27,281,217	(1,937,707)	(7.1)	25,343,510	27,281,217	(1,937,707)	(7.1)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT.	426,116	429,116	(3,000)	(0.7)	426,116	429,116	(3,000)	(0.7)
6D. (LINE 6C x LINE 5)	422,211	427,865	(5,654)	(1.3)	422,211	427,865	(5,654)	(1.3)
6E. FUEL CREDIT DIFFERENTIAL-FMPA	(13,179)	(517,734)	504,555	(97.5)	(13,179)	(517,734)	504,555	(97.5)
6F. OTHER ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
6G. JURISDIC. TOTAL FUEL & NET PWR. TRANS. INCL. PEABODY AND ADJUSTMENTS	25,752,542	27,191,348	(1,438,806)	(5.3)	25,752,542	27,191,348	(1,438,806)	(5.3)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6G)	2,013,377	594,690	1,418,687	238.6	2,013,377	594,690	1,418,687	238.6
8. INTEREST PROVISION FOR THE MONTH	23,418	21,530	1,888	8.8	23,418	21,530	1,888	8.8
9. TRUE-UP & INT. PROV. BEG. OF MONTH	10,468,942	10,415,528	53,414	0.5	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,854)	(728,854)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	5,734,476	4,260,487	1,473,989	34.6	NOT APPLICABLE			

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: APRIL, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 3 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	4,426,535	4,373,121	53,414	1.2	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	5,711,058	4,238,957	1,472,101	34.7	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	10,137,593	8,612,078	1,525,515	17.7	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	5,068,797	4,306,039	762,758	17.7	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.550	6.000	(0.450)	(7.5)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.530	6.000	(0.470)	(7.8)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	11.080	12.000	(0.920)	(7.7)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.540	6.000	(0.460)	(7.7)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.462	0.500	(0.038)	(7.6)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	23,418	21,530	1,888	8.8	NOT APPLICABLE			

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF APRIL, 1998

SCHEDULE A6
PAGE 1 OF 2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:								
VARIOUS	ECON.	103,172.0	0.0	103,172.0	1.669	2.193	1,721,800.00	2,262,700.00
VARIOUS	SCH. -D	3,554.0	0.0	3,554.0	1.609	1.609	57,200.00	57,200.00
VARIOUS	SCH. -D	29,440.0	0.0	29,440.0	1.441	1.688	424,100.00	497,000.00
VARIOUS	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00
VARIOUS	CONTRACT	22,231.0	0.0	22,231.0	2.286	3.094	508,100.00	687,800.00
HARDEE POWER PARTNERS	SEPARATED	61,200.0	0.0	61,200.0	1.467	1.563	897,600.00	956,600.00
VARIOUS	SCH. -D	5,400.0	0.0	5,400.0	2.402	2.402	129,700.00	129,700.00
VARIOUS	SCH. -J	5,400.0	0.0	5,400.0	1.662	2.040	3,738,500.00	4,591,000.00
TOTAL INCLUDING VARIABLE O & M COSTS		224,997.0	0.0	224,997.0	1.662	2.040	3,738,500.00	4,591,000.00
LESS TRANSMISSION COSTS							(131,000.00)	
LESS VARIABLE O & M COSTS							432,720.00	
PLUS 80% OF ECON. ENERGY SALES PROFITS								
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		224,997.0	0.0	224,997.0	1.796	2.040	4,040,220.00	4,591,000.00
ACTUAL:								
FLA. PWR. CORP.	ECON. -C	5,952.0	0.0	5,952.0	1.613	2.270	96,004.65	135,110.19
FLA. PWR. & LIGHT	ECON. -C	35,165.0	0.0	35,165.0	1.546	1.819	543,620.95	639,714.41
CITY OF LAKELAND	ECON. -C	6,400.0	0.0	6,400.0	1.658	2.255	106,085.91	144,400.00
FT. PIERCE UTIL. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF GAINESVILLE	ECON. -C	1,102.0	0.0	1,102.0	1.562	2.455	17,215.54	27,049.25
CITY OF HOMESTEAD	ECON. -C	94.0	0.0	94.0	1.522	2.119	1,430.67	1,991.97
JACKSONVILLE ELEC. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
LAKE WORTH UTILITIES	ECON. -C	221.0	0.0	221.0	1.589	2.954	3,512.05	6,528.77
CITY OF NEW SMYRNA BCH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
ORLANDO UTIL. COMM.	ECON. -C	16,886.0	0.0	16,886.0	1.541	1.886	260,216.55	318,416.52
SEMINOLE ELECTRIC CO-OP	ECON. -C	5,071.0	0.0	5,071.0	1.551	2.019	78,647.33	102,403.25
CITY OF ST. CLOUD	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF STARKE	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
TALLAHASSEE	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF VERO BEACH	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
FMPA	ECON. -C	501.0	0.0	501.0	1.588	1.968	7,957.48	9,862.07
KEY WEST	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
REEDY CREEK	ECON. -C	20,675.0	0.0	20,675.0	1.520	2.050	314,170.62	423,779.42
SONAT	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
THE ENERGY AUTHORITY	ECON. -C	80.0	0.0	80.0	1.695	3.213	1,356.00	2,570.00
NP ENERGY INC.	ECON. -C	2,250.0	0.0	2,250.0	1.528	2.121	34,388.00	47,725.00
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
FMPA	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	7,723.0	0.0	7,723.0	1.723	1.867	133,104.63	144,188.24
REEDY CREEK	SEPAR. SCH. -D	14,360.0	0.0	14,360.0	1.357	1.628	194,865.20	233,780.80
WAUCHULA	SEPAR. SCH. -D	3,600.0	0.0	3,600.0	1.357	1.628	48,852.00	58,608.00
FT. MEADE	SEPAR. SCH. -D	3,124.0	0.0	3,124.0	1.357	1.628	42,392.68	50,858.72
CITY OF ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE POWER PARTNERS	SEPAR. CONTRACT	9,252.0	0.0	9,252.0	2.296	2.969	212,425.92	274,691.88
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	5,020.0	10.4	5,009.6	1.470	1.470	73,638.72	73,638.72
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	675.0	0.0	675.0	1.436	1.436	9,693.13	9,693.13
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
FLA. PWR. & LIGHT	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF LAKELAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
REEDY CREEK	JURISD. SCH. -J	5,471.0	0.0	5,471.0	2.397	2.397	131,134.07	131,134.07
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF APRIL 1998

SCHEDULE
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	BOX GAIN ON ECONOMY ENERGY SALES
FMPA	SCH. -D	61,115.0	44,451.0	16,664.0	1.776 1.753	296,016.79	292,154.68	
CITY OF LAKELAND	SCH. -D	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO FLA. PWR. CORP.	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO FLA. PWR. & LT.	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO REEDY CREEK	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO GAINESVILLE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO JACKSONVILLE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO KISSIMMEE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO NEW SMYRNA BCH.	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO ORLANDO	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO STARKE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO FMPA	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO HOMESTEAD	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO SEMINOLE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO FT. PIERCE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO TALLAHASSEE	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO LAKELAND	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO ST. CLOUD	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO KEY WEST	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000 0.000	0.00	0.00	0.00 *
ADJUSTMENTS TO PRIOR MONTHS								
HARDEE POWER PARTNERS 3/98 SEPAR.	CONTRACT	(9,891.0)	0.0	(9,891.0)	2.221 2.906	(219,679.11)	(287,432.46)	
HARDEE POWER PARTNERS 3/98 SEPAR.	CONTRACT	9,891.0	0.0	9,891.0	2.296 2.969	227,097.36	293,663.79	
HARDEE POWER PART. TO FPC 2/98	ECON.-C	(91.0)	0.0	(91.0)	1.942 2.079	(1,767.22)	(1,892.03)	(99.85)*
HARDEE POWER PART. TO FPC 2/98	ECON.-C	91.0	0.0	91.0	1.942 2.181	1,767.22	1,984.58	173.89 *
HARDEE POWER PART. TO FPL 2/98	ECON.-C	(31.0)	0.0	(31.0)	1.869 1.933	(579.39)	(599.23)	(15.87)*
HARDEE POWER PART. TO FPL 2/98	ECON.-C	31.0	0.0	31.0	1.869 2.047	579.39	634.71	44.26 *
HARDEE POWER PART. TO ORLANDO 2/98	ECON.-C	(125.0)	0.0	(125.0)	1.942 2.106	(2,427.50)	(2,632.76)	(164.21)*
HARDEE POWER PART. TO ORLANDO 2/98	ECON.-C	125.0	0.0	125.0	1.942 2.206	2,427.50	2,757.63	264.10 *
HARDEE POWER PART. TO ORLANDO 2/98	ECON.-C	(196.0)	0.0	(196.0)	1.799 1.939	(3,525.18)	(3,801.29)	(220.89)*
HARDEE POWER PART. TO FPC 3/98	ECON.-C	196.0	0.0	196.0	1.799 2.041	3,525.18	3,999.70	379.62 *
HARDEE POWER PART. TO FPC 3/98	ECON.-C	(140.0)	0.0	(140.0)	1.765 1.866	(2,470.60)	(2,611.78)	(112.94)*
HARDEE POWER PART. TO ORLANDO 3/98	ECON.-C	140.0	0.0	140.0	1.765 1.965	2,470.60	2,750.93	224.26 *
HARDEE POWER PART. TO ORLANDO 3/98	ECON.-C	(36.0)	0.0	(36.0)	1.843 2.143	(663.45)	(771.39)	(86.35)*
HARDEE POWER PART. TO FMPA 3/98	ECON.-C	36.0	0.0	36.0	1.843 2.255	663.45	811.63	118.54 *
HARDEE POWER PART. TO FMPA 3/98	ECON.-C	(17.0)	0.0	(17.0)	1.857 2.084	(315.67)	(354.36)	(30.95)*
HARDEE POWER PART. TO LAKE WTH 3/98	ECON.-C	17.0	0.0	17.0	1.857 2.215	315.67	376.53	48.69 *
HARDEE POWER PART. TO LAKE WTH 3/98	ECON.-C	(124.0)	0.0	(124.0)	2.166 2.621	(2,685.40)	(3,249.42)	(451.22)*
HARDEE POWER PART. TO ENGY. AUTH. 3/98	ECON.-C	124.0	0.0	124.0	2.166 2.725	2,685.40	3,379.35	555.16 *
SUB-TOTAL ECONOMY POWER SALES(INCL. ECON. TRANSM.)								
		94,397.0	0.0	94,397.0	1.552 1.971	1,464,605.75	1,860,333.65	316,582.32
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.								
		28,807.0	0.0	28,807.0	1.455 1.692	419,214.51	487,435.76	
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.								
		5,695.0	10.4	5,684.6	1.466 1.466	83,331.85	83,331.85	
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.								
		5,471.0	0.0	5,471.0	2.397 2.397	131,134.07	131,134.07	
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.								
		9,252.0	0.0	9,252.0	2.376 3.036	219,844.17	280,923.21	
SUB-TOTAL OTHER D POWER SALES								
		61,115.0	44,451.0	16,664.0	1.776 1.753	296,016.79	292,154.68	
TOTAL INCLUDING VARIABLE O & M COSTS								
		204,737.0	44,461.4	160,275.6	1.631 1.956	2,614,147.14	3,135,313.22	316,582.32
LESS VARIABLE O & M COSTS								
						(157,642.99)		
LESS VARIABLE O & M COSTS - HARDEE								
						782.77		
LESS TRANSMISSION COSTS SCH. D (SEP.)								
						(16,711.20)		
LESS TRANSMISSION COSTS SCH. D (OTHER)								
						(31,859.96)		
LESS BOX ECON. TRANS. INCL. IN TOTAL PROFIT ***								
						194,902.32		(121,680.00)
PLUS BOX OF ECON. ENERGY SALES PROFITS								
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. BOX OF ECON. ENERGY SALES PROFITS								
		204,737.0	44,461.4	160,275.6	1.624 1.956	2,603,618.08	3,135,313.22	194,902.32
CURRENT MONTH:								
DIFFERENCE		(20,260.0)	44,461.4	(64,721.4)	(0.172) (0.084)	(1,436,601.92)	(1,455,686.78)	(237,817.68)
DIFFERENCE %		(9.0)	0.0	(28.8)	(9.6) (4.1)	(35.6)	(31.7)	(55.0)
PERIOD TO DATE:								
ACTUAL		204,737.0	44,461.4	160,275.6	1.624 1.956	2,603,618.08	3,135,313.22	194,902.32
ESTIMATED		224,997.0	0.0	224,997.0	1.796 2.040	4,040,220.00	4,591,000.00	432,720.00
DIFFERENCE		(20,260.0)	44,461.4	(64,721.4)	(0.172) (0.084)	(1,436,601.92)	(1,455,686.78)	(237,817.68)
DIFFERENCE %		(9.0)	0.0	(28.8)	(9.6) (4.1)	(35.6)	(31.7)	(55.0)

* NO ECONOMY SALES TO HARDEE POWER PARTNERS IN THE MONTH OF APRIL 1998.
** TOTAL ECONOMY TRANSMISSION DOLLARS FOR APRIL 1998 IS \$152,100.

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: MAY, 1998

SCHEDULE A1

	\$				MWH				cents/MWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %		ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %		ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %	
1. Fuel Cost of System Net Generation (A3)	28,253,753	33,302,458	(5,048,705) (15.2)		1,428,351	1,563,143	(134,792) (8.6)		1.97807	2.13048	(0.15241) (7.2)	
2. Spent Nuclear Fuel Disposal Cost	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
3. Coal Car Investment	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
4a. Adj. to Fuel Cost (Fl. Neade/Vauch. Wheeling Losses)	(3,818)	(3,500)	(318) 9.1		1,428,351 (a)	1,563,143 (a)	(134,792) (8.6)		(0.00027)	(0.00022)	(0.00005) 22.7	
4b. Adjustments to Fuel Cost	0	0	0 0.0		1,428,351 (a)	1,563,143 (a)	(134,792) (8.6)		0.00000	0.00000	0.00000 0.0	
4c. Adjustments to Fuel Cost	0	0	0 0.0		1,428,351 (a)	1,563,143 (a)	(134,792) (8.6)		0.00000	0.00000	0.00000 0.0	
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	28,249,935	33,298,958	(5,049,023) (15.2)		1,428,351	1,563,143	(134,792) (8.6)		1.97780	2.13026	(0.15246) (7.2)	
6. Fuel Cost of Purchased Power - Firm (A7)	4,197,429	1,949,700	2,247,729 115.3		101,710	64,888	36,822 56.7		1.12686	3.00172	1.12214 37.3	
7. Energy Cost of Sch. C, X Economy Purchases (Broker) (A9)	46,751	206,300	(159,549) (77.3)		1,528	5,158	(3,630) (70.4)		3.05962	3.99961	(0.93999) (23.5)	
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
10. Capacity Cost of Sch. E Economy Purchases	0	0	0 0.0		0 (a)	0 (a)	0 0.0		0.00000	0.00000	0.00000 0.0	
11. Payments to Qualifying Facilities (A8)	716,550	919,600	(203,050) (22.1)		40,149	39,966	183 0.5		1.78473	2.10096	(0.51623) (22.4)	
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	4,960,730	3,075,600	1,885,130 61.3		143,387	110,012	33,375 30.3		3.15968	2.79570	0.66398 23.8	
13. TOTAL AVAILABLE MWH (LINE 5 + LINE 12)					1,571,738	1,673,155	(101,417) (6.1)					
14. Fuel Cost of Economy Sales (A6)	446,791	1,104,100	(657,309) (59.5)		31,986	70,187	(38,201) (51.4)		1.39683	1.57308	(0.17625) (11.2)	
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	51,632	327,520	(275,888) (84.2)		31,986 (a)	70,187 (a)	(38,201) (51.4)		0.16142	0.46664	(0.30522) (65.4)	
16. Fuel Cost of Sch. D Separ. Sales (A6)	429,035	449,200	(20,165) (4.5)		30,758	30,800	(42) (0.1)		1.39487	1.45844	(0.06357) (4.4)	
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	65,180	61,700	480 0.7		4,542	3,883	659 17.0		1.43505	1.66624	(0.23119) (13.9)	
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	2,936	0	2,936 0.0		75	75	0 0.0		3.91467	0.00000	3.91467 0.0	
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	166,743	0	166,743 0.0		7,220	0	7,220 0.0		2.30946	0.00000	2.30946 0.0	
20. Fuel Cost of BPP Sch. D Separ. Sales (A6)	479,465	328,300	151,165 46.0		30,060	14,215	15,845 111.5		1.59503	2.30953	(0.71450) (30.9)	
21. Fuel Cost of Other Power Sales (A6)	0	928,600	(928,600) (100.0)		0	63,240	(63,240) (100.0)		0.00000	1.46837	(1.46837) (100.0)	
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	1,641,782	3,202,420	(1,560,638) (48.7)		104,641	182,325	(77,684) (42.6)		1.56897	1.75643	(0.18746) (10.7)	
23. Net Inadvertant Interchange					927	0	927 0.0					
24. Wheeling Rec'd. less Wheeling Delv'd.					395	0	395 0.0					
25. Interchange and Wheeling Losses					2,599	2,800	(201) (7.2)					
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	31,568,883	33,172,138	(1,603,255) (4.8)		1,465,820	1,488,030	(22,210) (1.5)		2.15367	2.22927	(0.07560) (3.4)	
27. Net Unbilled	3,432,993 (a)	2,438,509 (a)	994,484 40.8		159,402	109,386	50,016 45.7		0.23420	0.16387	0.07033 42.9	
28. Company Use	83,541 (a)	84,712 (a)	(1,171) (1.4)		3,879	3,800	79 2.1		0.00680	0.00650	0.00030 4.6	
29. T & D Losses	1,610,837 (a)	1,609,600 (a)	1,237 0.1		74,795	72,203	2,592 3.6		0.13120	0.12356	0.00764 6.2	
30. System MWH Sales	31,568,883	33,172,138	(1,603,255) (4.8)		1,227,744	1,302,641	(74,897) (5.7)		2.57129	2.51653	0.02476 1.0	
31. Wholesale MWH Sales	(477,104)	(313,885)	(163,219) 52.0		(18,555)	(12,326)	(6,229) 50.5		2.57130	2.51653	0.02477 1.0	
31a. Jurisdictional Transmission	(33,383)	0	(33,383) 0.0									
32. Jurisdictional MWH Sales	31,058,396	32,858,253	(1,799,857) (5.5)		1,209,189	1,290,315	(81,126) (6.3)		2.56853	2.51653	0.02200 0.9	
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional MWH Sales Adjusted for Line Losses	31,062,434	32,862,525	(1,800,091) (5.5)		1,209,189	1,290,315	(81,126) (6.3)		2.56887	2.51686	0.02201 0.9	
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	420,138	422,549	(2,411) (0.6)		1,209,189	1,290,315	(81,126) (6.3)		0.03475	0.03275	0.00200 6.1	
36. Fuel Credit Differential - FMPA/Lakeland Sale	0	(514,746)	514,746 (100.0)		1,209,189	1,290,315	(81,126) (6.3)		0.00000	(0.03989)	0.03989 (100.0)	
37. True-up *	(728,854)	(728,854)	0 0.0		1,209,189	1,290,315	(81,126) (6.3)		(0.06028)	(0.05619)	(0.00379) 6.7	
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	30,753,718	32,041,471	(1,287,756) (4.0)		1,209,189	1,290,315	(81,126) (6.3)		2.54333	2.48323	0.06010 2.4	
39. Revenue Tax Factor									1.00083	1.00083	0.00000 0.0	
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.54544	2.48529	0.06015 2.4	
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,591)	0 0.0		1,209,189	1,290,315	(81,126) (6.3)		(0.00501)	(0.00470)	(0.00031) 6.6	
42. Fuel Cost Adjusted for Taxes (incl. GPIF)	30,693,127	31,980,883	(1,287,756) (4.0)		1,209,189	1,290,315	(81,126) (6.3)		2.54013	2.18059	0.05984 2.4	
43. Fuel FAC Rounded to the Nearest .001 cents per MWH									2.540	2.181	0.059	2.4

* Based on Jurisdictional Sales (a) included for informational purposes only

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: MAY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 1 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	28,253,753	33,302,458	(5,048,705)	(15.2)	55,691,627	63,211,493	(7,519,866)	(11.9)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	1,641,782	3,202,420	(1,560,638)	(48.7)	4,245,400	7,242,640	(2,997,240)	(41.4)
3. FUEL COST OF PURCHASED POWER	4,197,429	1,949,700	2,247,729	115.3	4,393,207	2,461,500	1,931,707	78.5
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	716,550	919,600	(203,050)	(22.1)	1,354,875	1,819,200	(464,325)	(25.5)
4. ENERGY COST OF ECONOMY PURCHASES	46,751	206,300	(159,549)	(77.3)	59,979	287,000	(227,021)	(79.1)
5. TOTAL FUEL & NET POWER TRANSACTION	31,572,701	33,175,638	(1,602,937)	(4.8)	57,254,288	60,536,553	(3,282,265)	(5.4)
6a. ADJUSTMENTS TO FUEL COST (Ft. Meade/Wauchula Wheeling Losses)	(3,818)	(3,500)	(318)	9.1	(6,808)	(7,000)	192	(2.7)
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS.	31,568,883	33,172,138	(1,603,255)	(4.8)	57,247,480	60,529,553	(3,282,073)	(5.4)
* INCLUDES ECONOMY SALES PROFITS (80%)								
B. MWH SALES								
1. JURISDICTIONAL SALES	1,209,189	1,290,315	(81,126)	(6.3)	2,375,281	2,446,853	(71,572)	(2.9)
2. NONJURISDICTIONAL SALES	18,555	12,326	6,229	50.5	29,341	15,707	13,634	86.8
3. TOTAL SALES	1,227,744	1,302,641	(74,897)	(5.7)	2,404,622	2,462,560	(57,938)	(2.4)
4. JURISDIC. SALES-% TOTAL MWH SALES	0.9848869	0.9905377	(0.0056508)	(0.6)	0.9877981	0.9936217	(0.0058236)	(0.6)

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: MAY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 2 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	27,856,841	30,139,984	(2,283,143)	(7.6)	54,833,315	57,136,577	(2,303,262)	(4.0)
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,854	728,854	0	0.0	1,457,708	1,457,708	0	0.0
b. INCENTIVE PROVISION	60,591	60,591	0	0.0	121,182	121,182	0	0.0
c. OTHER ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	28,646,286	30,929,429	(2,283,143)	(7.4)	56,412,205	58,715,467	(2,303,262)	(3.9)
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	31,568,883	33,172,138	(1,603,255)	(4.8)	57,247,480	60,529,553	(3,282,073)	(5.4)
5. JURISDIC. SALES- % TOTAL MWH SALES (LINE B-4)	0.9848869	0.9905377	(0.0056508)	(0.6)	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (EXCLUDING ECONOMY TRANS. REV.)	31,091,779	32,858,253	(1,766,474)	(5.4)	56,535,034	60,135,924	(3,600,890)	(6.0)
5b. 80% ECONOMY TRANSMISSION REVENUES	(38,320)	0	(38,320)	0.0	(160,000)	0	(160,000)	0.0
5c. TRANSMISSION SEPARATION FACTOR	0.8711756	0.0000000	0.8711756	0.0	NA	NA	-	-
5d. JURIS. ECONOMY TRANSMISSION REV. (33,383)	(33,383)	0	(33,383)	0.0	(136,422)	0	(136,422)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCLUDING ECONOMY TRANS. REV.)	31,058,396	32,858,253	(1,799,857)	(5.5)	56,398,612	60,135,924	(3,737,312)	(6.2)
6A. JURISDIC. LOSS MULTIPLIER	1.00013	1.00013	0.00000	0.0	NA	NA	-	-
6B. (LINE 6 x LINE 6A)	31,062,434	32,862,525	(1,800,091)	(5.5)	56,405,944	60,143,742	(3,737,798)	(6.2)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT.	426,585	426,585	0	0.0	852,701	855,701	(3,000)	(0.4)
6D. (LINE 6C x LINE 5)	420,138	422,549	(2,411)	(0.6)	842,349	850,414	(8,065)	(0.9)
6E. FUEL CREDIT DIFFERENTIAL - FMPP/LKL SALE	0	(514,746)	514,746	0.0	(13,179)	(1,032,480)	1,019,301	(98.7)
6F. JURISDIC. TOTAL FUEL & NET PWR. TRANS. INCL. PEABODY AND ADJUSTMENT	31,482,572	32,770,328	(1,287,756)	(3.9)	57,235,114	59,961,676	(2,726,562)	(4.5)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6F)	(2,836,286)	(1,840,899)	(995,387)	54.1	(822,909)	(1,246,209)	423,300	(34.0)
8. INTEREST PROVISION FOR THE MONTH	18,179	14,878	3,301	22.2	41,597	36,408	5,189	14.3
9. TRUE-UP & INT. PROV. BEG. OF MONTH	11,776,883	10,302,894	1,473,989	14.3	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,854)	(728,854)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	2,187,515	1,705,612	481,903	28.3	NOT APPLICABLE			

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: MAY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 3 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	5,734,476	4,260,487	1,473,989	34.6	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	2,169,336	1,690,734	478,602	28.3	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	7,903,812	5,951,221	1,952,591	32.8	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	3,951,906	2,975,611	976,295	32.8	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.530	6.000	(0.470)	(7.8)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.500	6.000	(0.500)	(8.3)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	11.030	12.000	(0.970)	(8.1)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.515	6.000	(0.485)	(8.1)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.460	0.500	(0.040)	(8.0)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	18,179	14,878	3,301	22.2	NOT APPLICABLE			

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF MAY, 1998

SCHEDULE A6
PAGE 1 OF 2

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:									
	ECON.	70,187.0	0.0	70,187.0	1.700	2.283	1,193,200.00	1,602,600.00	327,520.00
VARIOUS	SCH. -D	3,883.0	0.0	3,883.0	1.666	1.666	64,700.00	64,700.00	
VARIOUS JURISDICTIONAL	SCH. -D	30,800.0	0.0	30,800.0	1.458	1.710	449,200.00	526,800.00	
VARIOUS SEPARATED	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
VARIOUS	CONTRACT	14,215.0	0.0	14,215.0	2.310	3.118	328,300.00	443,200.00	
HARDEE POWER PARTNERS SEPARATED	SCH. -D	63,240.0	0.0	63,240.0	1.468	1.563	928,600.00	988,400.00	
LAKELAND/FMPA	SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
VARIOUS JURISDICTIONAL									
TOTAL INCLUDING VARIABLE O & M COSTS		182,325.0	0.0	182,325.0	1.626	1.989	2,964,000.00	3,625,700.00	327,520.00
LESS TRANSMISSION COSTS							0.00		
LESS VARIABLE O & M COSTS							(89,100.00)		
PLUS 80% OF ECON. ENERGY SALES PROFITS							327,520.00		
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		182,325.0	0.0	182,325.0	1.756	1.989	3,202,420.00	3,625,700.00	327,520.00
ACTUAL:									
FLA. PWR. CORP.	ECON.-C	896.0	0.0	896.0	1.598	2.135	14,320.62	19,128.90	3,846.62
FLA. PWR. & LIGHT	ECON.-C	9,858.0	0.0	9,858.0	1.552	1.759	152,993.58	173,394.10	16,320.42
CITY OF LAKELAND	ECON.-C	229.0	0.0	229.0	1.605	1.945	3,676.07	4,455.05	623.18
FT. PIERCE UTIL. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF GAINESVILLE	ECON.-C	5.0	0.0	5.0	1.674	2.301	83.70	115.05	25.08
CITY OF HOMESTEAD	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
JACKSONVILLE ELEC. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES	ECON.-C	96.0	0.0	96.0	1.535	2.202	1,473.80	2,114.05	512.20
CITY OF NEW SMYRNA BCH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
ORLANDO UTIL. COMM.	ECON.-C	6,644.0	0.0	6,644.0	1.572	1.897	104,462.78	126,007.28	17,235.60
SEMINOLE ELECTRIC CO-OP	ECON.-C	1,079.0	0.0	1,079.0	1.568	2.253	16,919.53	24,312.42	5,914.31
CITY OF ST. CLOUD	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TALLAHASSEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF VERO BEACH	ECON.-C	225.0	0.0	225.0	1.560	1.812	3,510.63	4,076.49	452.69
FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK	ECON.-C	12,763.0	0.0	12,763.0	1.558	1.996	198,881.90	254,711.07	44,663.34
SONAT	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	8,502.0	0.0	8,502.0	1.699	1.843	144,444.66	156,666.51	
REEDY CREEK	SEPAR. SCH. -D	14,880.0	0.0	14,880.0	1.352	1.622	201,177.60	241,353.60	
WAUCHULA	SEPAR. SCH. -D	3,720.0	0.0	3,720.0	1.352	1.622	50,294.40	60,338.40	
FT. MEADE	SEPAR. SCH. -D	3,656.0	0.0	3,656.0	1.352	1.622	49,429.12	59,300.32	
ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS	SEPAR. CONTRACT	30,060.0	0.0	30,060.0	1.760	2.418	529,056.00	726,850.80	
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	4,600.0	834.1	3,765.9	1.347	1.347	50,723.56	50,723.56	
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	776.0	0.0	776.0	1.863	1.863	14,456.12	14,456.12	
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
FLA. PWR. & LIGHT	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF LAKELAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
REEDY CREEK	JURISD. SCH. -J	7,220.0	0.0	7,220.0	2.309	2.309	166,743.22	166,743.22	
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
FMPA	JURISD. SCH. -D	63,240.0	63,240.0	0.0	0.000	0.000	0.00	0.00	

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF MAY, 1998

SCHEDULE AG
PAGE 2 OF 2

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
HARDEE PWR. PARTNERS TO FPC	ECON.-C	105.0	0.0	105.0	1.881	2.058	1,975.05	2,161.25	148.96 *
HARDEE PWR. PARTNERS TO FP&L	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.-C	45.0	0.0	45.0	1.881	2.133	846.45	959.96	90.81 *
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.-C	41.0	0.0	41.0	1.881	2.243	771.21	919.68	118.78 *
HARDEE PWR. PARTNERS TO JACKSONVILLE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO KISSIMMEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO ORLANDO	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO HOMESTEAD	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO SEMINOLE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO FT. PIERCE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO TALLAHASSEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO LAKE LAND	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO LAKE WORTH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE POWER PART. TO SEMINOLE	SCH. -G	75.0	0.0	75.0	3.915	3.915	2,935.88	2,935.88	0.00 *
ADJUSTMENTS TO APRIL 1998									
HARDEE POWER PARTNERS	SEPAR. CONTRACT	(9,252.0)	0.0	(9,252.0)	2.296	2.969	(212,425.92)	(274,691.88)	
HARDEE POWER PARTNERS	SEPAR. CONTRACT	9,252.0	0.0	9,252.0	1.760	2.418	162,835.20	223,713.36	
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	(7,723.0)	0.0	(7,723.0)	1.723	1.867	(133,104.63)	(144,188.24)	
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	7,723.0	0.0	7,723.0	1.723	1.863	133,104.63	143,914.72	
SUB-TOTAL ECONOMY POWER SALES (INCL. ECON. TRANSM.)									
		31,986.0	0.0	31,986.0	1.563	1.914	499,915.32	612,355.30	89,951.99
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.									
		30,758.0	0.0	30,758.0	1.448	1.682	445,345.78	517,385.31	
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.									
		5,376.0	834.1	4,541.9	1.435	1.435	65,179.68	65,179.68	
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.									
		7,220.0	0.0	7,220.0	2.309	2.309	166,743.22	166,743.22	
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.									
		30,060.0	0.0	30,060.0	1.595	2.248	479,465.28	675,872.28	
SUB-TOTAL OTHER SCHEDULE D POWER SALES									
		63,240.0	63,240.0	0.0	0.000	0.000	0.00	0.00	
SUB-TOTAL SCHEDULE G POWER SALES									
		75.0	0.0	75.0	3.915	3.915	2,935.88	2,935.88	
TOTAL INCLUDING VARIABLE O & M COSTS									
		168,715.0	64,074.1	104,640.9	1.586	1.950	1,659,585.16	2,040,471.67	89,951.99
LESS VARIABLE O & M COSTS									
		-	-	-	-	-	(53,097.65)	(26.74)	
LESS VARIABLE O & M COSTS - HARDEE									
		-	-	-	-	-	(16,310.92)		
LESS TRANSMISSION COSTS SCH. D (SEP.)									
		-	-	-	-	-			(38,320.00)
LESS 80% ECON. TRANS. INCLUDED IN TOTAL PROFIT **									
		-	-	-	-	-	51,631.99		
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS									
		168,715.0	64,074.1	104,640.9	1.569	1.950	1,641,781.84	2,040,471.67	51,631.99
CURRENT MONTH:									
DIFFERENCE									
		(13,610.0)	64,074.1	(77,684.1)	(0.187)	(0.039)	(1,560,638.16)	(1,585,228.33)	(275,888.01)
DIFFERENCE %									
		(7.5)	0.0	(42.6)	(10.6)	(2.0)	(48.7)	(43.7)	(84.2)
PERIOD TO DATE:									
ACTUAL									
		373,452.0	108,535.5	264,916.5	1.603	1.954	4,245,399.92	5,175,784.89	246,534.31
ESTIMATED									
		407,322.0	0.0	407,322.0	1.778	2.017	7,242,640.00	8,216,700.00	760,240.00
DIFFERENCE									
		(33,870.0)	108,535.5	(142,405.5)	(0.175)	(0.063)	(2,997,240.08)	(3,040,915.11)	(513,705.69)
DIFFERENCE %									
		(8.3)	0.0	(35.0)	(9.8)	(3.1)	(41.4)	(37.0)	(67.6)

* THE PROFITS REFLECTED ARE ONLY ON TEC 40%. SEC 60% OR \$778.06 HAS BEEN EXCLUDED.
** TOTAL ECONOMY TRANSMISSION DOLLARS FOR MAY 1998 IS \$47,900.

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COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: JUNE, 1998

SCHEDULE A1

	\$				MWH				cents/MWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	35,825,625	35,887,741	(62,116)	(0.2)	1,765,327	1,693,820	71,507	4.2	2.02940	2.11875	(0.08935)	(4.2)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4a. Adj. to Fuel Cost (Ft. Meade/Wauch. Wheeling Losses)	(5,264)	(3,500)	(1,764)	30.4	1,765,327 (a)	1,693,820 (a)	71,507	4.2	(0.00030)	(0.00021)	(0.00009)	42.9
4b. Adjustments to Fuel Cost	0	0	0	0.0	1,765,327 (a)	1,693,820 (a)	71,507	4.2	0.00000	0.00000	0.00000	0.0
4c. Adjustments to Fuel Cost	0	0	0	0.0	1,765,327 (a)	1,693,820 (a)	71,507	4.2	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	35,820,361	35,884,241	(63,880)	(0.2)	1,765,327	1,693,820	71,507	4.2	2.02911	2.11854	(0.08943)	(4.2)
6. Fuel Cost of Purchased Power - Firm (A7)	3,471,322	2,099,300	1,372,022	65.1	110,882	68,827	42,055	61.1	3.13065	3.05011	0.08054	2.6
7. Energy Cost of Sch. C, X Economy Purchases (Broker) (A9)	8,826	203,400	(194,574)	(95.7)	257	4,757	(4,500)	(94.6)	3.43424	4.27580	(0.84156)	(19.7)
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. F Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0 (a)	0 (a)	0	0.0	0.00000	0.00000	0.00000	0.0
11. Payments to Qualifying Facilities (A8)	687,723	832,100	(144,377)	(17.4)	38,012	36,523	1,489	4.1	1.80923	2.27829	(0.46906)	(20.6)
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	4,167,871	3,134,800	1,033,071	33.0	149,151	110,107	39,044	35.5	2.79440	2.84705	(0.05265)	(1.8)
13. TOTAL AVAILABLE MWH (LINE 5 + LINE 12)					1,314,478	1,803,927	110,551	6.1				
14. Fuel Cost of Economy Sales (A6)	1,448,886	1,397,700	51,186	3.7	75,313	90,584	(15,271)	(16.9)	1.92382	1.51299	0.38083	24.7
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	3,105,335	488,000	2,617,335	536.3	75,313 (a)	90,584 (a)	(15,271)	(16.9)	4.12324	0.53873	3.58451	665.4
16. Fuel Cost of Sch. D Separ. Sales (A6)	518,802	500,900	17,902	3.6	34,510	34,091	419	1.2	1.50334	1.46390	0.03944	2.3
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	70,922	103,300	(32,378)	(31.3)	4,345	5,920	(1,575)	(26.6)	1.63227	1.74493	(0.11266)	(6.5)
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	(27)	0	(27)	0.0	0	0	0	0.0	ERR	0.00000	ERR	0.0
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	302,942	135,500	167,442	123.6	12,946	5,760	7,186	124.8	2.34004	2.35243	(0.01239)	(0.5)
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	1,401,001	426,900	974,101	228.2	65,915	18,201	47,714	262.2	2.12547	2.34548	(0.22001)	(9.4)
21. Fuel Cost of Other Power Sales (A6)	0	912,500	(912,500)	(100.0)	0	61,200	(61,200)	(100.0)	0.00000	1.49101	(1.49101)	(100.0)
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	6,847,861	3,964,800	2,883,061	72.7	193,029	215,756	(22,727)	(10.5)	3.54758	1.83763	1.70995	93.1
23. Net Inadvertant Interchange					(1,249)	0	(1,249)	0.0				
24. Wheeling Rec'd. less Wheeling Delv'd.					282	0	282	0.0				
25. Interchange and Wheeling Losses					3,320	3,300	20	0.6				
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	33,140,371	35,054,241	(1,913,870)	(5.5)	1,717,162	1,584,871	132,291	8.3	1.92995	2.21180	(0.28185)	(12.7)
27. Net Unbilled	1,763,762 (a)	689,374 (a)	1,074,388	155.8	91,389	31,168	60,221	193.2	0.10271	0.04350	0.05921	136.1
28. Company Use	87,697 (a)	84,018 (a)	3,679	4.3	4,544	3,800	744	19.6	0.00568	0.00571	(0.00003)	(0.5)
29. T & D Losses	1,472,011 (a)	1,730,291 (a)	(258,280)	(14.9)	76,272	78,230	(1,958)	(2.5)	0.09528	0.11757	(0.02229)	(19.0)
30. System MWH Sales	33,140,371	35,054,241	(1,913,870)	(5.5)	1,544,957	1,471,873	73,084	5.0	2.14507	2.38193	(0.23686)	(9.9)
31. Wholesale MWH Sales	(675,805)	(418,863)	(256,942)	61.3	(31,505)	(17,585)	(13,920)	79.2	2.14507	2.38193	(0.23686)	(9.9)
31a. Jurisdictional Transmission	(78,689)	0	(78,689)	0.0								
32. Jurisdictional MWH Sales	32,385,877	34,635,378	(2,249,501)	(6.5)	1,513,452	1,454,088	59,364	4.1	2.13987	2.38193	(0.24206)	(10.2)
33. Jurisdictional Loss Multiplier - 1.00013												
31. Jurisdictional MWH Sales Adjusted for Line Losses	32,390,987	34,639,881	(2,248,894)	(6.5)	1,513,452	1,454,088	59,364	4.1	2.11015	2.38224	(0.24209)	(10.2)
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	415,407	418,987	(3,580)	(0.9)	1,513,452	1,454,088	59,364	4.1	0.02745	0.02881	(0.00136)	(4.7)
36. Fuel Credit Differential - FNPA Sale	0	(470,500)	470,500	(100.0)	1,513,452	1,454,088	59,364	4.1	0.00000	(0.03236)	0.03236	(100.0)
37. True-up *	(728,854)	(728,854)	0	0.0	1,513,452	1,454,088	59,364	4.1	(0.04816)	(0.05012)	0.00196	(3.9)
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	32,076,640	33,859,514	(1,782,874)	(5.3)	1,513,452	1,454,088	59,364	4.1	2.11914	2.32857	(0.20943)	(9.0)
39. Revenue Tax Factor									1.00003	1.00003	0.00000	0.0
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.12120	2.33050	(0.20930)	(9.0)
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,591)	0	0.0	1,513,452	1,454,088	59,364	4.1	(0.00400)	(0.00417)	0.00017	(4.1)
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	32,016,049	33,798,923	(1,782,874)	(5.3)	1,513,452	1,454,088	59,364	4.1	2.11720	2.32677	(0.20957)	(9.0)
43. Fuel FAC Rounded to the Nearest .001 cents per MWH									2.117	2.326	(0.209)	(9.0)

* Based on Jurisdictional Sales (a) included for informational purposes only

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: JUNE, 1998
CURRENT MONTH

SCHEDULE A2
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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	35,825,625	35,887,741	(62,116)	(0.2)	91,517,252	99,099,234	(7,581,982)	(7.7)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	6,847,861	3,964,800	2,883,061	72.7	11,093,261	11,207,440	(114,179)	(1.0)
3. FUEL COST OF PURCHASED POWER	3,471,322	2,099,300	1,372,022	65.4	7,864,529	4,560,800	3,303,729	72.4
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	687,723	832,100	(144,377)	(17.4)	2,042,598	2,651,300	(608,702)	(23.0)
4. ENERGY COST OF ECONOMY PURCHASES	8,826	203,400	(194,574)	(95.7)	68,805	490,400	(421,595)	(86.0)
5. TOTAL FUEL & NET POWER TRANSACTION	33,145,635	35,057,741	(1,912,106)	(5.5)	90,399,923	95,594,294	(5,194,371)	(5.4)
6a. ADJUSTMENTS TO FUEL COST (Ft. Meade/Wauchula Wheeling Losses)	(5,264)	(3,500)	(1,764)	50.4	(12,072)	(10,500)	(1,572)	15.0
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. * INCLUDES ECONOMY SALES PROFITS (80%)	33,140,371	35,054,241	(1,913,870)	(5.5)	90,387,851	95,583,794	(5,195,943)	(5.4)
B. MWH SALES								
1. JURISDICTIONAL SALES	1,513,452	1,454,088	59,364	4.1	3,888,733	3,900,941	(12,208)	(0.3)
2. NONJURISDICTIONAL SALES	31,505	17,585	13,920	79.2	60,846	33,292	27,554	82.8
3. TOTAL SALES	1,544,957	1,471,673	73,284	5.0	3,949,579	3,934,233	15,346	0.4
4. JURISDIC. SALES-% TOTAL MWH SALES	0.9796078	0.9880510	(0.0084432)	(0.9)	0.9845943	0.9915379	(0.0069436)	(0.7)

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
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SCHEDULE A2
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C. TRUE-UP CALCULATION	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1. JURISDICTIONAL FUEL REVENUE	35,075,112	33,986,791	1,088,321	3.2	89,908,427	91,123,368	(1,214,941)	(1.3)
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,854	728,854	0	0.0	2,186,562	2,186,562	0	0.0
b. INCENTIVE PROVISION	60,591	60,591	0	0.0	181,773	181,773	0	0.0
c. TRANSITION ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
d. OTHER	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	35,864,557	34,776,236	1,088,321	3.1	92,276,762	93,491,703	(1,214,941)	(1.3)
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	33,140,371	35,054,241	(1,913,870)	(5.5)	90,387,851	95,583,794	(5,195,943)	(5.4)
5. JURISDIC. SALES- % TOTAL KWH SALES (LINE B-4)	0.9796078	0.9880510	(0.0084432)	(0.9)	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (EXCLUDING ECONOMY TRANS. REV.)	32,464,566	34,635,378	(2,170,812)	(6.3)	88,999,600	94,771,302	(5,771,702)	(6.1)
5b. 80% ECONOMY TRANSMISSION REVENUES	(90,160)	0	(90,160)	0.0	(250,160)	0	(250,160)	0.0
5c. TRANSMISSION SEPARATION FACTOR	0.8727698	0.0000000	0.8727698	0.0	NA	NA	0	0.0
5d. JURIS. ECONOMY TRANSMISSION REV.	(78,689)	0	(78,689)	0.0	(215,111)	0	(215,111)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCLUDING ECONOMY TRANS. REV.)	32,385,877	34,635,378	(2,249,501)	(6.5)	88,784,489	94,771,302	(5,986,813)	(6.3)
6A. JURISDIC. LOSS MULTIPLIER	1.00013	1.00013	0.00000	0.0	NA	NA	0	0.0
6B. (LINE 6 x LINE 6A)	32,390,087	34,639,881	(2,249,794)	(6.5)	88,796,031	94,783,623	(5,987,592)	(6.3)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT.	424,054	424,054	0	0.0	1,276,755	1,279,755	(3,000)	(0.2)
6D. (LINE 6C x LINE 5)	415,407	418,987	(3,580)	(0.9)	1,257,756	1,269,401	(11,645)	(0.9)
6E. INTEREST ON SEPT. 97 ADJ. ON FUEL CREDIT DIFFERENTIAL-FMPA/LKL SALE	0	0	0	0.0	0	0	0	0.0
6F. FUEL CREDIT DIFFERENTIAL-FMPA SALE	0	(470,500)	470,500	0.0	(13,179)	(1,502,980)	1,502,980	0.0
6G. REVENUE REFUND TRUE-UP ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
6H. OIL BELOW THE DISCHARGE VALVE	0	0	0	0.0	0	0	0	0.0
6I. TRANSMISSION ADJ. (JAN.-NOV. 97)	0	0	0	0.0	0	0	0	0.0
6J. JURISDIC. TOTAL FUEL & NET PWR. INCL. ALL ADJUSTMENTS	32,805,494	34,588,368	(1,782,874)	(5.2)	90,040,608	94,550,044	(4,509,436)	(4.8)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6J)	3,059,063	187,868	2,871,195	1,528.3	2,236,154	(1,058,341)	3,294,495	(311.3)
8. INTEREST PROVISION FOR THE MONTH	15,523	7,176	8,347	116.3	57,120	43,584	13,536	31.1
9. TRUE-UP & INT. PROV. BEG. OF MONTH	8,229,922	7,748,019	481,903	6.2	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,854)	(728,854)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	4,533,247	1,171,802	3,361,445	286.9	NOT APPLICABLE			

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	2,187,515	1,705,612	481,903	28.3	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	4,517,724	1,164,626	3,353,098	287.9	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	6,705,239	2,870,238	3,835,001	133.6	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	3,352,620	1,435,119	1,917,501	133.6	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.500	6.000	(0.500)	(8.3)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.600	6.000	(0.400)	(6.7)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	11.100	12.000	(0.900)	(7.5)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.550	6.000	(0.450)	(7.5)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.463	0.500	(0.037)	(7.4)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	15,523	7,176	8,347	116.3	NOT APPLICABLE			

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF JUNE, 1998

SCHEDULE A6
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES	
ESTIMATED:									
VARIOUS	ECON.	90,584.0	0.0	90,584.0	1.670	2.343	1,512,700.00	2,122,700.00	488,000.00
VARIOUS JURISDICTIONAL	SCH. -D	5,920.0	0.0	5,920.0	1.745	1.745	103,300.00	103,300.00	
VARIOUS SEPARATED	SCH. -D	34,091.0	0.0	34,091.0	1.469	1.710	500,900.00	583,100.00	
VARIOUS	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
VARIOUS HARDEE POWER PARTNERS SEPARATED	CONTRACT	18,201.0	0.0	18,201.0	2.345	3.154	426,900.00	574,000.00	
LAKELAND/FMPA	SCH. -D	61,200.0	0.0	61,200.0	1.491	1.563	912,500.00	956,600.00	
VARIOUS JURISDICTIONAL	SCH. -J	5,760.0	0.0	5,760.0	2.352	2.352	135,500.00	135,500.00	
TOTAL INCLUDING VARIABLE O & M COSTS	-	215,756.0	0.0	215,756.0	1.665	2.074	3,591,800.00	4,475,200.00	488,000.00
LESS TRANSMISSION COSTS	-	-	-	-	-	-	0.00	0.00	
LESS VARIABLE O & M COSTS	-	-	-	-	-	-	(115,000.00)		
PLUS 80% OF ECON. ENERGY SALES PROFITS	-	-	-	-	-	-	488,000.00		
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS	-	215,756.0	0.0	215,756.0	1.838	2.074	3,964,800.00	4,475,200.00	488,000.00
ACTUAL:									
FLA. PWR. CORP.	ECON. -C	19,907.0	0.0	19,907.0	2.070	3.194	412,087.67	635,757.82	178,936.12
FLA. PWR. & LIGHT	ECON. -C	6,755.0	0.0	6,755.0	1.723	1.981	116,394.80	133,817.88	13,938.46
CITY OF LAKELAND	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FT. PIERCE UTIL. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF GAINESVILLE	ECON. -C	273.0	0.0	273.0	1.691	2.813	4,616.92	7,679.92	2,450.40
CITY OF HOMESTEAD	ECON. -C	128.0	0.0	128.0	1.629	1.892	2,085.74	2,422.00	269.01
JACKSONVILLE ELEC. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES	ECON. -C	94.0	0.0	94.0	1.886	2.892	1,773.08	2,718.87	756.63
CITY OF NEW SMYRNA BCH.	ECON. -C	148.0	0.0	148.0	2.104	4.566	3,113.22	6,757.88	2,915.73
ORLANDO UTIL. COMM.	ECON. -C	13,967.0	0.0	13,967.0	1.653	1.904	230,818.07	265,873.86	28,044.63
SEMINOLE ELECTRIC CO-OP	ECON. -C	2,928.0	0.0	2,928.0	1.700	2.280	49,789.14	66,744.76	13,564.50
CITY OF ST. CLOUD	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF STARKE	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TALLAHASSEE	ECON. -C	73.0	0.0	73.0	1.957	5.012	1,428.96	3,658.40	1,783.55
CITY OF VERO BEACH	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KEY WEST	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK	ECON. -C	13,935.0	0.0	13,935.0	1.614	2.040	224,898.72	284,250.63	47,481.53
SONAT	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
THE ENERGY AUTHORITY	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
NP ENERGY INC.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KOCH	ECON. -C	3,718.0	0.0	3,718.0	3.208	55.865	119,263.17	2,077,054.04	1,566,232.70
TENNESSEE VALLEY AUTHORITY	ECON. -C	1,640.0	0.0	1,640.0	4.107	72.047	67,357.20	1,181,569.43	891,369.78
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA-E	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	12,910.0	0.0	12,910.0	1.646	1.836	212,479.86	237,001.50	
REEDY CREEK	SEPAR. SCH. -D	14,400.0	0.0	14,400.0	1.498	1.798	215,712.00	258,912.00	
WAUCHULA	SEPAR. SCH. -D	3,600.0	0.0	3,600.0	1.498	1.798	53,928.00	64,728.00	
FT. MEADE	SEPAR. SCH. -D	3,600.0	0.0	3,600.0	1.498	1.798	53,928.00	64,728.00	
CITY OF ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS	SEPAR. CONTRACT	59,906.0	0.0	59,906.0	2.011	2.633	1,204,709.66	1,577,324.98	
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	3,783.0	234.0	3,549.0	1.636	1.636	58,072.37	58,072.37	
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	796.0	0.0	796.0	1.614	1.614	12,849.41	12,849.41	
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
FLA. PWR. & LIGHT	JURISD. SCH. -J	308.0	0.0	308.0	2.194	2.194	6,756.74	6,756.74	
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF LAKELAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
REEDY CREEK	JURISD. SCH. -J	8,235.0	0.0	8,235.0	2.236	2.236	184,153.29	184,153.29	
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	4,350.0	0.0	4,350.0	2.542	2.542	110,570.05	110,570.05	
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	

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POWER SOLD
TAMPA ELECTRIC COMPANY
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(1) SOLD TO	(2) TYPE & SCHEDULE	(3) TOTAL MWH SOLD	(4) MWH WHEELED OTHER SYSTEM	(5) MWH FROM OWN GENERATION	(6) cents/KWH (A) FUEL COST (B) TOTAL COST	(7) TOTAL \$ FOR ADJUSTMENT (5)X(6)(A)	(8) TOTAL \$ FOR TOTAL COST (5)X(6)(B)	(9) BOX GAIN ON ECONOMY ENERGY SALES
FMPA CITY OF LAKE LAND	SCH. D	61,200.0	61,200.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO FPC	ECON.	6,722.0	0.0	6,722.0	0.000	162,884.0	205,328.82	33,955.38 *
HARDEE PWR. PARTNERS TO FPAL	ECON.	430.0	0.0	430.0	0.000	3,886.4	11,812.39	1,640.42 *
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.	189.0	0.0	189.0	0.000	1,677.0	1,805.54	790.25 *
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.	73.0	0.0	73.0	0.000	1,503.0	1,805.54	241.33 *
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON.	51.0	0.0	51.0	0.000	9,310.04	11,840.13	424.07 *
HARDEE PWR. PARTNERS TO ORLANDO	ECON.	510.0	0.0	510.0	0.000	9,719.66	11,840.13	1,066.43 *
HARDEE PWR. PARTNERS TO STARKE	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO FMPA	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO HOMESTEAD	ECON.	2,145.0	0.0	2,145.0	0.000	71,644.46	79,347.06	6,162.08 *
HARDEE PWR. PARTNERS TO SEMINOLE	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO FT. PIERCE	ECON.	57.0	0.0	57.0	0.000	1,152.25	1,555.00	322.20 *
HARDEE PWR. PARTNERS TO TALLAHASSEE	ECON.	71.0	0.0	71.0	0.000	1,360.58	1,902.24	433.33 *
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO KEY WEST	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO VERO BEACH	ECON.	0.0	0.0	0.0	0.000	0.000	0.000	0.000
HARDEE PWR. PARTNERS TO ENGY. AUTH.	ECON.	1,072.0	0.0	1,072.0	0.000	43,641.22	450,587.54	325,557.14 *
HARDEE PWR. PARTNERS TO KOCH	ECON.	420.0	0.0	420.0	0.000	16,300.10	112,777.40	77,181.76 *
HARDEE PWR. PARTNERS TO TVA	ECON.	53.0	0.0	53.0	0.000	2,780.14	1,461.64	0.000
HARDEE PWR. PARTNERS TO FPAL	SCH. J	53.0	0.0	53.0	2.758	1,461.64	1,461.64	0.000
ADJUSTMENTS TO MAY 1998								
HARDEE POWER PARTNERS SEPAR.	CONTRACT	(30,060.0)	0.0	(30,060.0)	1.760	2,418	(529,056.00)	(726,850.80)
HARDEE POWER PARTNERS SEPAR.	CONTRACT	36,069.0	0.0	36,069.0	1.760	2,418	630,936.77	949,636.77
HARDEE PWR. PARTNERS TO SEMINOLE	SCH. C	(769.0)	0.0	(769.0)	0.000	0.000	(3,934.77)	(2,936.88)
HARDEE PWR. PARTNERS TO SEMINOLE	SCH. C	(1,059.0)	0.0	(1,059.0)	0.000	0.000	(5,069.05)	(3,936.88)
HARDEE PWR. PARTNERS TO FPC	ECON.	(1,059.0)	0.0	(1,059.0)	0.000	0.000	(5,069.05)	(3,936.88)
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.	(4,199.0)	0.0	(4,199.0)	0.000	0.000	(19,906.75)	(15,161.27)
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.	(4,199.0)	0.0	(4,199.0)	0.000	0.000	(19,906.75)	(15,161.27)
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.	(4,199.0)	0.0	(4,199.0)	0.000	0.000	(19,906.75)	(15,161.27)
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.	(4,199.0)	0.0	(4,199.0)	0.000	0.000	(19,906.75)	(15,161.27)
REEDY CREEK SEPAR.	SCH. D	(14,888.0)	0.0	(14,888.0)	0.000	0.000	(201,177.60)	(241,353.60)
REEDY CREEK SEPAR.	SCH. D	(14,888.0)	0.0	(14,888.0)	0.000	0.000	(201,177.60)	(241,353.60)
CITY OF NEW SMYRNA BCH. SEPAR.	SCH. D	(144,444.0)	0.0	(144,444.0)	0.000	0.000	(1,444,444.66)	(1,986,666.51)
CITY OF NEW SMYRNA BCH. SEPAR.	SCH. D	(144,444.0)	0.0	(144,444.0)	0.000	0.000	(1,444,444.66)	(1,986,666.51)
WAUCHULA SEPAR.	SCH. D	(50,334.0)	0.0	(50,334.0)	0.000	0.000	(503,334.40)	(603,366.54)
WAUCHULA SEPAR.	SCH. D	(50,334.0)	0.0	(50,334.0)	0.000	0.000	(503,334.40)	(603,366.54)
FT. MEADE SEPAR.	SCH. D	(3,556.0)	0.0	(3,556.0)	0.000	0.000	(49,429.12)	(59,300.32)
FT. MEADE SEPAR.	SCH. D	(3,556.0)	0.0	(3,556.0)	0.000	0.000	(49,429.12)	(59,300.32)
SUB-TOTAL ECONOMY POWER SALES (INCL. ECON. TRANSM.)		75,313.0	0.0	75,313.0	2.067	7,371	1,556,684.97	5,551,053.65
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.		34,310.0	0.0	34,310.0	1.825	1,081.4	536,581.42	628,037.18
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		0.0	234.0	0.0	0.000	0.000	70,921.78	70,921.78
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.		13,848.0	0.0	13,848.0	2.340	2,340	302,941.72	302,941.72
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.		65,915.0	0.0	65,915.0	3.125	2,071.1	1,401,001.25	1,800,170.95
SUB-TOTAL OTHER SCH. D POWER SALES		0.0	61,200.0	0.0	0.000	0.000	0.000	0.000
SUB-TOTAL SCHEDULE G POWER SALES-JURISD.		0.0	0.0	0.0	0.000	0.000	(26.61)	(26.61)
TOTAL INCLUDING VARIABLE O & M COSTS		254,463.0	61,434.0	193,029.0	2.004	4,326	3,868,104.53	8,351,098.67
LESS VARIABLE O & M COSTS		-	-	-	-	-	(108,155.22)	-
LESS VARIABLE O & M COSTS - HARDEE		-	-	-	-	-	(1,644.58)	-
LESS TRANSMISSION COSTS SCH. D (SEPAR.)		-	-	-	-	-	(17,778.80)	-
LESS 80% ECON. TRANS. INCLUDED IN TOTAL PROFIT ***		-	-	-	-	-	-	(90,160.00)
PLUS 80% OF ECON. ENERGY SALES PROFITS		-	-	-	-	-	3,105,334.94	-
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS	0.0	254,463.0	61,434.0	193,029.0	3.548	4,326	6,847,860.87	8,351,098.67
CURRENT MONTH:								
DIFFERENCE		38,707.0	61,434.0	(22,727.0)	1.710	2,252	2,883,060.87	3,875,898.67
DIFFERENCE %		17.9	0.0	(10.5)	93.0	108.6	72.7	86.6
PERIOD TO DATE:								
ACTUAL		627,915.0	169,969.5	457,945.5	2.422	2,954	11,093,260.79	13,526,883.56
ESTIMATED		623,078.0	0.0	623,078.0	1.799	2,037	11,207,440.00	12,691,900.00
DIFFERENCE		4,837.0	169,969.5	(165,132.5)	0.623	0.917	(114,179.21)	834,983.56
DIFFERENCE %		0.8	0.0	(26.5)	34.6	45.0	(1.0)	6.6

* THE PROFITS REFLECTED ARE ONLY ON TEC 40% SEC 60% OR \$813,426.52 HAS BEEN EXCLUDED.
 ** SEC 60% REPORTED FOR THE MONTH OF MAY 1998 OR \$778.06 HAS BEEN REVISED TO \$832.75.
 *** TOTAL ECONOMY TRANSMISSION DOLLARS FOR JUNE 1998 IS \$112,700.

COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: JULY, 1998

SCHEDULE A1

	\$				MWH				cents/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE		ACTUAL	ESTIMATED	DIFFERENCE	
			AMOUNT	%			AMOUNT	%			AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	35,135,362	37,149,056	(2,013,694)	(5.1)	1,677,832	1,742,018	(64,186)	(3.7)	2.09409	2.13253	(0.03844)	(1.8)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4a. Adj. to Fuel Cost (Fl. Meade/Kauch. Wheeling Losses)	(4,270)	(3,500)	(770)	22.0	1,677,832 (a)	1,742,018 (a)	(64,186)	(3.7)	(0.00025)	(0.00020)	(0.00005)	25.0
4b. Adjustments to Fuel Cost	0	0	0	0.0	1,677,832 (a)	1,742,018 (a)	(64,186)	(3.7)	0.00000	0.00000	0.00000	0.0
4c. Adjustments to Fuel Cost	0	0	0	0.0	1,677,832 (a)	1,742,018 (a)	(64,186)	(3.7)	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	35,131,092	37,145,556	(2,014,464)	(5.4)	1,677,832	1,742,018	(64,186)	(3.7)	2.09381	2.13233	(0.03851)	(1.8)
6. Fuel Cost of Purchased Power - Firm (A7)	4,385,100	2,229,300	2,155,800	96.7	141,227	71,667	69,560	97.1	3.10500	3.11064	(0.00564)	(0.2)
7. Energy Cost of Sch. C, E Economy Purchases (Broker) (A9)	45,128	359,500	(314,372)	(87.4)	1,440	8,039	(6,599)	(82.1)	3.13389	4.17195	(1.03806)	(25.9)
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0 (a)	0 (a)	0	0.0	0.00000	0.00000	0.00000	0.0
11. Payments to Qualifying facilities (A8)	701,719	977,100	(275,381)	(28.2)	37,438	41,305	(3,867)	(9.4)	1.87435	2.36557	(0.49122)	(20.8)
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	5,131,947	3,565,900	1,566,047	43.9	180,105	121,011	59,094	48.8	2.84942	2.91676	(0.06734)	(3.3)
13. TOTAL AVAILABLE ENH (LINE 5 + LINE 12)					1,857,937	1,863,029	(5,092)	(0.3)				
14. Fuel Cost of Economy Sales (A6)	1,010,323	1,048,400	(38,077)	(3.6)	49,079	73,058	(23,979)	(32.8)	2.05856	1.43502	0.62354	43.5
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	929,525	335,680	593,845	176.9	49,079 (a)	73,058 (a)	(23,979)	(32.8)	1.89394	0.45917	1.43477	312.2
16. Fuel Cost of Sch. D Separ. Sales (A6)	538,330	520,500	17,830	3.4	35,697	35,228	469	1.3	1.50805	1.47752	0.03053	2.1
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	105,456	103,600	1,856	1.8	4,713	5,756	(1,043)	(18.1)	2.23756	1.79986	0.43770	24.3
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	321,974	140,100	181,874	129.8	13,969	5,952	8,017	134.7	2.30492	2.35383	(0.04891)	(2.1)
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	1,258,313	580,500	677,813	116.8	62,938	24,431	38,507	157.6	1.99929	2.37608	(0.37679)	(15.9)
21. Fuel Cost of Other Power Sales (A6)	0	951,000	(951,000)	(100.0)	0	63,240	(63,240)	(100.0)	0.00000	1.50380	(1.50380)	(100.0)
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	4,163,921	3,679,780	484,141	13.2	166,396	207,665	(41,269)	(19.9)	2.50242	1.77198	0.73044	41.2
23. Net Inadvertant Interchange			(721)	0.0	(721)	0	(721)	0.0				
24. Wheeling Rec'd. less Wheeling Del'vd.			(879)	0.0	(879)	0	(879)	0.0				
25. Interchange and Wheeling Losses			1,029	0.0	1,029	3,200	(2,171)	(67.8)				
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	36,099,118	37,031,676	(932,558)	(2.5)	1,688,912	1,652,164	36,748	2.2	2.13742	2.24140	(0.10398)	(4.6)
27. Net Unbilled	(366,931) (a)	671,991 (a)	(1,038,922)	(131.3)	(1,167)	29,981	(47,148)	(157.3)	(0.02173)	0.04067	(0.06240)	(153.4)
28. Company Use	98,514 (a)	85,173 (a)	13,341	15.7	4,609	3,800	809	21.3	0.00605	0.00553	0.00052	9.4
29. T & D Losses	1,538,429 (a)	1,780,680 (a)	(242,251)	(13.6)	71,976	79,445	(7,469)	(9.4)	0.09441	0.11571	(0.02130)	(18.4)
30. System ENH Sales	36,099,118	37,031,676	(932,558)	(2.5)	1,629,494	1,538,938	90,556	5.9	2.21536	2.40631	(0.19095)	(7.9)
31. Wholesale ENH Sales	(649,477)	(567,025)	(82,452)	14.5	(29,317)	(23,564)	(5,753)	24.4	2.21536	2.40632	(0.19096)	(7.9)
31a. Jurisdictional Transmission	(51,220)	0	(51,220)	0.0	-	-	-	-	-	-	-	-
32. Jurisdictional ENH Sales	35,398,421	36,464,651	(1,066,230)	(2.9)	1,600,177	1,515,374	84,803	5.6	2.21216	2.40631	(0.19415)	(8.1)
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional ENH Sales Adjusted for Line Losses	35,403,023	36,469,391	(1,066,368)	(2.9)	1,600,177	1,515,374	84,803	5.6	2.21244	2.40663	(0.19419)	(8.1)
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	413,939	415,069	(1,130)	(0.3)	1,600,177	1,515,374	84,803	5.6	0.02587	0.02139	(0.00448)	(5.5)
36. Fuel Credit Differential - FNPA Sale	0	(527,637)	527,637	(100.0)	1,600,177	1,515,374	84,803	5.6	0.00000	(0.03182)	0.03182	(100.0)
37. True-up *	(728,854)	(728,854)	0	0.0	1,600,177	1,515,374	84,803	5.6	(0.04555)	(0.04810)	0.00255	(5.3)
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	35,088,108	35,627,969	(539,861)	(1.5)	1,600,177	1,515,374	84,803	5.6	2.19276	2.35110	(0.15834)	(6.7)
39. Revenue Tax Factor									1.00083	1.00083	0.00000	0.0
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.19458	2.35305	(0.15847)	(6.7)
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,591)	0	0.0	1,600,177	1,515,374	84,803	5.6	(0.00379)	(0.00400)	0.00021	(5.2)
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	35,027,517	35,567,378	(539,861)	(1.5)	1,600,177	1,515,374	84,803	5.6	2.19079	2.34905	(0.15826)	(6.7)
43. Fuel FAC Rounded to the Nearest .001 cents per ENH									2.191	2.349	(0.158)	(6.7)

* Based on Jurisdictional Sales (a) included for informational purposes only

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: JULY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 1 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	35,135,362	37,149,056	(2,013,694)	(5.4)	126,652,614	136,248,290	(9,595,676)	(7.0)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	4,163,921	3,679,780	484,141	13.2	15,257,182	14,887,220	369,962	2.5
3. FUEL COST OF PURCHASED POWER	4,385,100	2,229,300	2,155,800	96.7	12,249,629	6,790,100	5,459,529	80.4
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	701,719	977,100	(275,381)	(28.2)	2,744,317	3,628,400	(884,083)	(24.4)
4. ENERGY COST OF ECONOMY PURCHASES	45,128	359,500	(314,372)	(87.4)	113,933	849,900	(735,967)	(86.6)
5. TOTAL FUEL & NET POWER TRANSACTION	36,103,388	37,035,176	(931,788)	(2.5)	126,503,311	132,629,470	(6,126,159)	(4.6)
6a. ADJUSTMENTS TO FUEL COST (Ft. Meade/Wauchula Wheeling Losses)	(4,270)	(3,500)	(770)	22.0	(16,342)	(14,000)	(2,342)	0.0
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. * INCLUDES ECONOMY SALES PROFITS (80%)	36,099,118	37,031,676	(932,558)	(2.5)	126,486,969	132,615,470	(6,128,501)	(4.6)
B. MWH SALES								
1. JURISDICTIONAL SALES	1,600,177	1,515,374	84,803	5.6	5,488,910	5,416,315	72,595	1.3
2. NONJURISDICTIONAL SALES	29,317	23,564	5,753	24.4	90,163	56,856	33,307	58.6
3. TOTAL SALES	1,629,494	1,538,938	90,556	5.9	5,579,073	5,473,171	105,902	1.9
4. JURISDIC. SALES-% TOTAL MWH SALES	0.9820085	0.9846881	(0.0026796)	(0.3)	0.9838391	0.9896119	(0.0057728)	(0.6)

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: JULY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 2 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	37,061,848	35,429,593	1,632,255	4.6	126,970,275	126,552,961	417,314	0.3
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,854	728,854	0	0.0	2,915,416	2,915,416	0	0.0
b. INCENTIVE PROVISION	60,591	60,591	0	0.0	242,364	242,364	0	0.0
c. TRANSITION ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
d. OTHER	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	37,851,293	36,219,038	1,632,255	4.5	130,128,055	129,710,741	417,314	0.3
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	36,099,118	37,031,676	(932,558)	(2.5)	126,486,969	132,615,470	(6,128,501)	(1.0)
5. JURISDIC. SALES- % TOTAL KWH SALES (LINE B-4)	0.9820085	0.9846881	(0.0026796)	(0.3)	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (EXCLUDING ECONOMY TRANS. REV.)	35,449,641	36,464,651	(1,015,010)	(2.8)	124,449,241	131,235,953	(6,786,712)	(5.2)
5b. 80% ECONOMY TRANSMISSION REVENUES	(58,800)	0	(58,800)	0.0	(308,960)	0	(308,960)	0.0
5c. TRANSMISSION SEPARATION FACTOR	0.8710812	0.0000000	0.8710812	0.0	NA	NA	0	0.0
5d. JURIS. ECONOMY TRANSMISSION REV.	(51,220)	0	(51,220)	0.0	(266,331)	0	(266,331)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCLUDING ECONOMY TRANS. REV.)	35,398,421	36,464,651	(1,066,230)	(2.9)	124,182,910	131,235,953	(7,053,043)	(5.4)
6A. JURISDIC. LOSS MULTIPLIER	1.00013	1.00013	0.00000	0.0	NA	NA	0	0.0
6B. (LINE 6 x LINE 6A)	35,403,023	36,469,391	(1,066,368)	(2.9)	124,199,054	131,253,014	(7,053,960)	(5.4)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT.	421,523	421,523	0	0.0	1,698,278	1,701,278	(3,000)	(0.2)
6D. (LINE 6C x LINE 5)	413,939	415,069	(1,130)	(0.3)	1,671,695	1,684,470	(12,775)	(0.8)
6E. INTEREST ON SEPT. 97 ADJ. ON FUEL CREDIT DIFFERENTIAL-FMPA/LKL SALE	0	0	0	0.0	0	0	0	0.0
6F. FUEL CREDIT DIFFERENTIAL-FMPA SALE	0	(527,637)	527,637	0.0	(13,179)	(2,030,617)	2,017,438	(99.4)
6G. REVENUE REFUND TRUE-UP ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
6H. OIL BELOW THE DISCHARGE VALVE	0	0	0	0.0	0	0	0	0.0
6I. TRANSMISSION ADJ. (JAN.-NOV. 97)	0	0	0	0.0	0	0	0	0.0
6J. JURISDIC. TOTAL FUEL & NET PWR. INCL. ALL ADJUSTMENTS	35,816,962	36,356,823	(539,861)	(1.5)	125,857,570	130,906,867	(5,049,297)	(3.9)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6J)	2,034,331	(137,785)	2,172,116	(1,576.5)	4,270,485	(1,196,126)	5,466,611	(457.0)
8. INTEREST PROVISION FOR THE MONTH	24,115	3,692	20,423	553.2	81,235	47,276	33,959	71.8
9. TRUE-UP & INT. PROV. BEG. OF MONTH	10,575,654	7,214,209	3,361,445	46.6	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,854)	(728,854)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	5,862,839	308,855	5,553,984	1,798.2	NOT APPLICABLE			

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: JULY, 1998
CURRENT MONTH

SCHEDULE A2
PAGE 3 OF 3

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	4,533,247	1,171,802	3,361,445	286.9	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	5,838,724	305,163	5,533,561	1,813.3	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	10,371,971	1,476,965	8,895,006	602.2	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	5,185,986	738,483	4,447,503	602.2	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.600	6.000	(0.400)	(6.7)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.560	6.000	(0.440)	(7.3)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	11.160	12.000	(0.840)	(7.0)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.580	6.000	(0.420)	(7.0)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.465	0.500	(0.035)	(7.0)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	24,115	3,692	20,423	553.2	NOT APPLICABLE			

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF JULY, 1998

SCHEDULE A6
PAGE 1 OF 2

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:									
VARIOUS	ECON.	73,058.0	0.0	73,058.0	1.562	2.136	1,141,200.00	1,560,800.00	335,680.00
VARIOUS JURISDICTIONAL	SCH. -D	5,756.0	0.0	5,756.0	1.800	1.800	103,600.00	103,600.00	
VARIOUS SEPARATED	SCH. -D	35,228.0	0.0	35,228.0	1.478	1.720	520,500.00	606,000.00	
VARIOUS	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS SEPARATED	CONTRACT	24,431.0	0.0	24,431.0	2.376	3.184	580,500.00	778,000.00	
LAKE LAND/FMPA	SCH. -D	63,240.0	0.0	63,240.0	1.504	1.563	951,000.00	988,400.00	
VARIOUS JURISDICTIONAL	SCH. -J	5,952.0	0.0	5,952.0	2.354	2.354	140,100.00	140,100.00	
TOTAL INCLUDING VARIABLE O & M COSTS	-	207,665.0	0.0	207,665.0	1.655	2.011	3,436,900.00	4,176,900.00	335,680.00
LESS TRANSMISSION COSTS	-	-	-	-	-	-	0.00	-	-
LESS VARIABLE O & M COSTS	-	-	-	-	-	-	(92,800.00)	-	-
PLUS 80% OF ECON. ENERGY SALES PROFITS	-	-	-	-	-	-	335,680.00	-	-
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS	-	207,665.0	0.0	207,665.0	1.772	2.011	3,679,780.00	4,176,900.00	335,680.00
ACTUAL:									
FLA. PWR. CORP.	ECON.-C	6,531.0	0.0	6,531.0	2.175	3.263	142,076.95	213,108.47	56,825.22
FLA. PWR. & LIGHT	ECON.-C	6,864.0	0.0	6,864.0	1.985	2.594	136,269.65	178,030.34	33,408.56
CITY OF LAKE LAND	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FT. PIERCE UTIL. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF GAINESVILLE	ECON.-C	284.0	0.0	284.0	1.787	2.666	5,074.01	7,570.34	1,997.06
CITY OF HOMESTEAD	ECON.-C	335.0	0.0	335.0	1.724	2.208	5,774.07	7,397.23	1,298.52
JACKSONVILLE ELEC. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES	ECON.-C	115.0	0.0	115.0	1.747	2.438	2,009.15	2,803.26	635.29
CITY OF NEW SMYRNA BCH.	ECON.-C	71.0	0.0	71.0	2.359	4.872	1,674.94	3,459.47	1,427.62
ORLANDO UTIL. COMM.	ECON.-C	3,170.0	0.0	3,170.0	1.671	1.815	52,963.45	57,541.30	3,662.28
SEMINOLE ELECTRIC CO-OP	ECON.-C	1,727.0	0.0	1,727.0	1.768	2.319	30,538.15	40,056.35	7,614.56
CITY OF ST. CLOUD	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TALLAHASSEE	ECON.-C	40.0	0.0	40.0	2.156	4.879	862.48	1,951.65	871.34
CITY OF VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK	ECON.-C	10,659.0	0.0	10,659.0	1.657	1.949	177,697.42	207,747.82	24,040.32
SONAT	ECON.-C	491.0	0.0	491.0	1.872	7.701	9,189.19	37,813.50	22,899.45
THE ENERGY AUTHORITY	ECON.-C	1,540.0	0.0	1,540.0	3.226	7.164	49,683.72	110,323.25	48,511.62
NP ENERGY INC.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KOCH	ECON.-C	2,052.0	0.0	2,052.0	2.470	8.520	50,683.20	174,824.49	99,313.03
TENNESSEE VALLEY AUTHORITY	ECON.-C	5,220.0	0.0	5,220.0	3.069	18.686	160,217.60	975,389.99	652,137.91
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA-E	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	13,377.0	0.0	13,377.0	1.685	1.831	225,395.30	244,973.70	
REEDY CREEK	SEPAR. SCH. -D	14,880.0	0.0	14,880.0	1.508	1.810	224,390.40	269,328.00	
WAUCHULA	SEPAR. SCH. -D	3,720.0	0.0	3,720.0	1.508	1.810	56,097.60	67,332.00	
FT. MEADE	SEPAR. SCH. -D	3,720.0	0.0	3,720.0	1.508	1.810	56,097.60	67,332.00	
CITY OF ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS	SEPAR. CONTRACT	62,938.0	0.0	62,938.0	2.005	2.644	1,261,906.90	1,664,080.72	
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	4,541.0	432.1	4,108.9	2.322	2.322	95,399.11	95,399.11	
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	604.0	0.0	604.0	1.665	1.665	10,057.31	10,057.31	
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
FLA. PWR. & LIGHT	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF LAKE LAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
REEDY CREEK	JURISD. SCH. -J	9,329.0	0.0	9,329.0	2.224	2.224	207,441.13	207,441.13	
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	4,640.0	0.0	4,640.0	2.468	2.468	114,533.00	114,533.00	
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF GAINESVILLE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF JULY, 1998

(1) SOLD TO	(2) TYPE & SCHEDULE	(3) TOTAL MWH SOLD	(4) MWH WHEELED OTHER SYSTEM	(5) MWH FROM OWN GENERATION	(6) cents/KWH (A) FUEL COST (B) TOTAL COST	(7) TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	(8) TOTAL \$ FOR TOTAL COST (5)X(6)(B)	(9) 80% GAIN ON ENERGY SALES
FMPA			63,240.0					
HARDEE PWR. PARTNERS TO FPC	ECON. -D	63,240.0	0.0	4,419.0	0.000	0.000	0.00	20,563.07
HARDEE PWR. PARTNERS TO FP&L	ECON. -D	3,041.0	0.0	3,041.0	2.240	2.821	124,677.96	12,978.50
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON. -D	239.0	0.0	239.0	2.655	3.189	96,965.27	869.46
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON. -D	214.0	0.0	214.0	2.018	2.381	7,120.35	1,043.62
HARDEE PWR. PARTNERS TO YACONVILLE	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON. -D	18.0	0.0	18.0	1.927	2.536	5,427.85	166.00
HARDEE PWR. PARTNERS TO ORLANDO	ECON. -D	414.0	0.0	414.0	2.733	3.336	12,300.15	789.78
HARDEE PWR. PARTNERS TO STARK	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO FMPA	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO HOMESTEAD	ECON. -D	27.0	0.0	27.0	1.854	2.244	600.47	7.00
HARDEE PWR. PARTNERS TO SEMINOLE	ECON. -D	484.0	0.0	484.0	1.967	2.363	11,438.04	1,533.28
HARDEE PWR. PARTNERS TO FT. PIERCE	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO TALLAHASSEE	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO LAKE LAND	ECON. -D	25.0	0.0	25.0	1.874	2.370	592.37	9.00
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO VERO BEACH	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO KNGY. AUTH.	ECON. -D	44.0	0.0	44.0	2.463	3.062	1,347.20	21.00
HARDEE PWR. PARTNERS TO KOCH	ECON. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE PWR. PARTNERS TO IVA	ECON. -D	401.0	0.0	401.0	4.411	6.178	27,013.66	7,452.00
HARDEE PWR. PARTNERS TO SONAT	ECON. -C	594.0	0.0	594.0	3.612	4.178	24,817.04	2,688.08
ADJUSTMENTS TO JUNE 1998								
HARDEE POWER PARTNERS SEPAR. CONTRACT	ECON. -C	(59,906.0)	0.0	(59,906.0)	2.011	2.633	(1,204,709.66)	(1,577,324.98)
HARDEE PWR. PARTNERS TO FPC	ECON. -D	(6,729.0)	0.0	(6,729.0)	2.421	2.955	(16,288.88)	(33,955.38)
HARDEE PWR. PARTNERS TO FP&L	ECON. -D	(430.0)	0.0	(430.0)	2.293	2.833	(966.44)	(4,409.49)
HARDEE PWR. PARTNERS TO KOCH	ECON. -D	(1,072.0)	0.0	(1,072.0)	2.071	2.504	(4,300.86)	(3,288.33)
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON. -D	(73.0)	0.0	(73.0)	2.060	2.575	(1,493.99)	(433.33)
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON. -D	(71.0)	0.0	(71.0)	2.101	2.608	(1,496.35)	(449.43)
HARDEE PWR. PARTNERS TO ORLANDO	ECON. -D	(510.0)	0.0	(510.0)	2.089	2.666	(1,273.99)	(1,071.46)
HARDEE PWR. PARTNERS TO SEMINOLE	ECON. -D	(2,510.0)	0.0	(2,510.0)	3.440	4.099	(8,749.06)	(790.33)
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON. -D	(189.0)	0.0	(189.0)	1.947	2.466	(733.77)	(815.38)
SUB-TOTAL ECONOMY POWER SALES(INCL. ECON. TRANSM.)		49,079.0	0.0	49,079.0	2.194	4.712	1,077,016.04	2,312,421.79
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.		35,697.0	0.0	35,697.0	3.374	4.946	1,205,480.70	848,965.70
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		13,643.0	432.0	14,075.0	3.374	4.946	47,564.42	1,051,456.42
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.		82,938.0	0.0	82,938.0	1.896	2.584	1,558,312.54	1,870,870.38
SUB-TOTAL OTHER SCHEDULE D POWER SALES		63,240.0	63,240.0	0.0	0.000	0.000	0.00	0.00
TOTAL INCLUDING VARIABLE O & M COSTS		230,068.0	63,672.1	166,395.9	1.998	3.041	3,324,740.03	5,059,488.42
LESS VARIABLE O & M COSTS - HARDEE							(65,235.33)	
LESS TRANSMISSION COSTS SCH. -D (SEP.)							(1,487.20)	
LESS 80% ECON. TRANS. INCLUDED IN TOTAL PROFIT ***							(23,651.22)	(58,800.00)
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		230,068.0	63,672.1	166,395.9	2.502	3.041	4,163,920.87	5,059,488.42
CURRENT MONTH:								
DIFFERENCE		22,403.0	63,672.1	(41,269.1)	0.730	1.030	484,140.87	882,588.42
DIFFERENCE %		10.8	0.0	(19.9)	41.2	51.2	13.2	21.1
PERIOD TO DATE:								
ACTUAL		857,983.0	233,641.6	624,341.4	2.444	2.977	15,257,181.66	18,586,371.98
ESTIMATED		830,743.0	0.0	830,743.0	1.792	2.031	14,887,220.00	16,868,800.00
DIFFERENCE		27,240.0	233,641.6	(206,401.6)	0.652	0.946	369,961.66	1,717,571.98
DIFFERENCE %		3.3	0.0	(24.8)	36.4	46.6	2.5	10.2

** THE PROFITS REFLECTED ARE ONLY ON TEC 40%. SEC 60% OF \$68,491.58 HAS BEEN EXCLUDED.
 *** SEC 60% REPORTED FOR THE MONTH OF JUNE 1998 OF \$813,426.52 HAS BEEN REVISED TO \$764,925.33.
 *** TOTAL ECONOMY TRANSMISSION DOLLARS FOR JULY 1998 IS \$73,500.

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COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: AUGUST, 1998

SCHEDULE A1

	\$				MWH				cents/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	35,521,071	37,886,896	(2,362,825)	(6.2)	1,675,688	1,755,996	(80,308)	(4.6)	2.11997	2.15757	(0.03760)	(1.7)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4a. Adj. to Fuel Cost (Ft. Meade/Nauch. Wheeling Losses)	(4,197)	(3,500)	(997)	28.5	1,675,688 (a)	1,755,996 (a)	(80,308)	(4.6)	(0.00027)	(0.00020)	(0.00007)	35.0
4b. Adjustments to Fuel Cost	0	0	0	0.0	1,675,688 (a)	1,755,996 (a)	(80,308)	(4.6)	0.00000	0.00000	0.00000	0.0
4c. Adjustments to Fuel Cost	0	0	0	0.0	1,675,688 (a)	1,755,996 (a)	(80,308)	(4.6)	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	35,519,574	37,883,396	(2,363,822)	(6.2)	1,675,688	1,755,996	(80,308)	(4.6)	2.11970	2.15737	(0.03767)	(1.7)
6. Fuel Cost of Purchased Power - Firm (A7)	3,929,738	2,197,000	1,732,738	78.9	139,707	70,119	69,588	99.2	2.81284	3.13324	(0.32040)	(10.2)
7. Energy Cost of Sch. C, X Economy Purchases (Broker) (A9)	48,680	279,200	(230,520)	(82.6)	2,032	6,371	(4,339)	(68.1)	2.39567	4.38236	(1.98669)	(45.3)
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0 (a)	0 (a)	0	0.0	0.00000	0.00000	0.00000	0.0
11. Payments to Qualifying Facilities (A8)	799,978	980,200	(180,222)	(18.4)	41,352	41,305	47	0.1	1.93456	2.37308	(0.43852)	(18.5)
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	4,778,396	3,456,400	1,321,996	38.2	183,091	117,795	65,296	55.4	2.60985	2.93425	(0.32440)	(11.1)
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,858,779	1,873,791	(15,012)	(0.8)				
14. Fuel Cost of Economy Sales (A6)	790,584	1,108,200	(317,616)	(28.7)	39,726	74,344	(34,618)	(46.6)	1.99009	1.49064	0.49945	33.5
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	175,316	337,680	(162,364)	(48.1)	39,726 (a)	74,344 (a)	(34,618)	(46.6)	0.44131	0.45421	(0.01290)	(2.8)
16. Fuel Cost of Sch. D Separ. Sales (A6)	524,231	520,300	3,931	0.8	34,614	35,228	(614)	(1.7)	1.51451	1.47695	0.03756	2.5
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	125,740	107,200	18,540	17.3	5,109	5,840	(731)	(12.5)	2.46115	1.83562	0.62553	34.1
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	342,673	140,100	202,573	144.6	13,751	5,952	7,799	131.0	2.49199	2.35383	0.13816	5.9
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	1,101,473	507,200	594,273	117.2	55,054	21,235	33,819	159.3	2.00071	2.38851	(0.38780)	(16.2)
21. Fuel Cost of Other Power Sales (A6)	4,316	950,500	(946,184)	(99.5)	80	63,240	(63,160)	(99.9)	5.39500	1.50300	3.89200	258.9
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	3,064,333	3,671,180	(606,847)	(16.5)	148,334	205,839	(57,505)	(27.9)	2.06583	1.78352	0.28231	15.8
23. Net Inadvertant Interchange					(172)	0	(172)	0.0				
24. Wheeling Rec'd. less Wheeling Delv'd.					4,522	0	4,522	0.0				
25. Interchange and Wheeling Losses					3,616	3,100	516	16.6				
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	37,233,637	37,668,616	(434,979)	(1.2)	1,711,179	1,664,852	46,327	2.8	2.17591	2.26258	(0.08667)	(3.8)
27. Net Unbilled	1,536,693 (a)	1,414,271 (a)	122,422	8.7	70,623	62,507	8,116	13.0	0.08900	0.08495	0.00405	5.7
28. Company Use	93,477 (a)	85,978 (a)	7,499	8.7	4,296	3,800	496	13.1	0.00605	0.00567	0.00038	6.7
29. T & D Losses	2,004,849 (a)	1,843,550 (a)	161,399	8.8	92,143	81,480	10,663	13.1	0.12984	0.12152	0.00832	6.8
30. System KWH Sales	37,233,637	37,668,616	(434,979)	(1.2)	1,544,117	1,517,065	27,052	1.8	2.41132	2.48299	(0.07167)	(2.9)
31. Wholesale KWH Sales	(632,492)	(546,730)	(85,762)	15.7	(26,230)	(22,019)	(4,211)	19.1	2.41133	2.48299	(0.07166)	(2.9)
31a. Jurisdictional Transmission	(47,004)	0	(47,004)	0.0								
32. Jurisdictional KWH Sales	36,554,141	37,121,886	(567,745)	(1.5)	1,517,887	1,495,046	22,841	1.5	2.40823	2.48299	(0.07476)	(3.0)
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional KWH Sales Adjusted for Line Losses	36,558,893	37,126,712	(567,819)	(1.5)	1,517,887	1,495,046	22,841	1.5	2.40854	2.48332	(0.07478)	(3.0)
35. Peabody Coal Contract Buy-Out Anort. Jurisdictionalized	411,875	412,911	(1,036)	(0.3)	1,517,887	1,495,046	22,841	1.5	0.02713	0.02762	(0.00049)	(1.8)
36. Fuel Credit Differential - FXPA Sale	0	(533,544)	533,544	(100.0)	1,517,887	1,495,046	22,841	1.5	0.00000	(0.03569)	0.03569	(100.0)
37. True-up *	(728,854)	(728,854)	0	0.0	1,517,887	1,495,046	22,841	1.5	(0.04802)	(0.04875)	0.00073	(1.5)
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	36,241,914	36,277,225	(35,311)	(0.1)	1,517,887	1,495,046	22,841	1.5	2.38766	2.42650	(0.03884)	(1.6)
39. Revenue Tax Factor									1.00083	1.00083	0.00000	0.0
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.38964	2.42851	(0.03887)	(1.6)
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,591)	0	0.0	1,517,887	1,495,046	22,841	1.5	(0.00399)	(0.00405)	0.00006	(1.5)
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	36,181,323	36,216,634	(35,311)	(0.1)	1,517,887	1,495,046	22,841	1.5	2.38565	2.42416	(0.03851)	(1.6)
43. Fuel FAC Rounded to the Nearest .001 cents per KWH									2.386	2.424	(0.038)	(1.6)

* Based on Jurisdictional Sales (a) included for informational purposes only

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: AUGUST, 1998
CURRENT MONTH

SCHEDULE A2
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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	35,524,071	37,886,896	(2,362,825)	(6.2)	162,176,685	174,135,186	(11,958,501)	(6.9)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	3,064,333	3,671,180	(606,847)	(16.5)	18,321,515	18,558,400	(236,885)	(1.3)
3. FUEL COST OF PURCHASED POWER	3,929,738	2,197,000	1,732,738	78.9	16,179,367	8,987,100	7,192,267	80.0
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	799,978	980,200	(180,222)	(18.4)	3,544,295	4,608,600	(1,064,305)	(23.1)
4. ENERGY COST OF ECONOMY PURCHASES	48,680	279,200	(230,520)	(82.6)	162,613	1,129,100	(966,487)	(85.6)
5. TOTAL FUEL & NET POWER TRANSACTION	37,238,134	37,672,116	(433,982)	(1.2)	163,741,445	170,301,586	(6,560,141)	(3.9)
6a. ADJUSTMENTS TO FUEL COST (FT. MEADE/WAUCHULA WHEELING LOSSES)	(4,497)	(3,500)	(997)	28.5	(20,839)	(17,500)	(3,339)	19.1
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. * INCLUDES ECONOMY SALES PROFITS (80%)	37,233,637	37,668,616	(434,979)	(1.2)	163,720,606	170,284,086	(6,563,480)	(3.9)
B. MWH SALES								
1. JURISDICTIONAL SALES	1,517,887	1,495,046	22,841	1.5	7,006,797	6,911,361	95,436	1.4
2. NONJURISDICTIONAL SALES	26,230	22,019	4,211	19.1	116,393	78,875	37,518	47.6
3. TOTAL SALES	1,544,117	1,517,065	27,052	1.8	7,123,190	6,990,236	132,954	1.9
4. JURISDIC. SALES-% TOTAL KWH SALES	0.9830129	0.9854858	(0.0024729)	(0.3)	0.9836600	0.9887164	(0.0050564)	(0.5)

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: AUGUST, 1998
CURRENT MONTH

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	35,096,546	34,948,992	147,554	0.4	162,066,821	161,501,953	564,868	0.3
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,854	728,854	0	0.0	3,644,270	3,644,270	0	0.0
b. INCENTIVE PROVISION	60,591	60,591	0	0.0	302,955	302,955	0	0.0
c. TRANSITION ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
d. OTHER	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	35,885,991	35,738,437	147,554	0.4	166,014,046	165,449,178	564,868	0.3
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	37,233,637	37,668,616	(434,979)	(1.2)	163,720,606	170,284,086	(6,563,480)	(3.9)
5. JURISDIC. SALES- % TOTAL KWH SALES (LINE B-4)	0.9830129	0.9854858	(0.0024729)	(0.3)	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (EXCLUDING ECONOMY TRANS. REV.)	36,601,145	37,121,886	(520,741)	(1.4)	161,050,386	168,357,839	(7,307,453)	(4.3)
5b. 80% ECONOMY TRANSMISSION REVENUES (53,760)	(53,760)	0	(53,760)	0.0	(362,720)	0	(362,720)	0.0
5c. TRANSMISSION SEPARATION FACTOR 0.8743378	0.8743378	0.0000000	0.8743378	0.0	NA	NA	-	-
5d. JURIS. ECONOMY TRANSMISSION REV. (47,004)	(47,004)	0	(47,004)	0.0	(313,335)	0	(313,335)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCLUDING ECONOMY TRANS. REV.)	36,554,141	37,121,886	(567,745)	(1.5)	160,737,051	168,357,839	(7,620,788)	(4.5)
6A. JURISDIC. LOSS MULTIPLIER 1.00013	1.00013	1.00013	0.00000	0.0	NA	NA	-	-
6B. (LINE 6 x LINE 6A)	36,558,893	37,126,712	(567,819)	(1.5)	160,757,947	168,379,726	(7,621,779)	(4.5)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT. 6D. (LINE 6C x LINE 5)	418,992 411,875	418,992 412,911	0 (1,036)	0.0 (0.3)	2,117,270 2,083,570	2,120,270 2,097,381	(3,000) (13,811)	(0.1) (0.7)
6E. INTEREST ON SEPT. 97 ADJ. ON FUEL CREDIT DIFFERENTIAL-FMPA/LKL SALE	0	0	0	0.0	0	0	0	0.0
6F. FUEL CREDIT DIFFERENTIAL-FMPA SALE	0	(533,544)	533,544	0.0	(13,179)	(2,564,161)	2,564,161	0.0
6G. REVENUE REFUND TRUE-UP ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
6H. OIL BELOW THE DISCHARGE VALVE	0	0	0	0.0	0	0	0	0.0
6I. TRANSMISSION ADJ. (JAN.-NOV. 97)	0	0	0	0.0	0	0	0	0.0
6J. JURISDIC. TOTAL FUEL & NET PWR. INCL. ALL ADJUSTMENTS	36,970,768	37,006,079	(35,311)	(0.1)	162,828,338	167,912,946	(5,084,608)	(3.0)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6J)	(1,084,777)	(1,267,642)	182,865	(14.4)	3,185,708	(2,463,768)	5,649,476	(229.3)
8. INTEREST PROVISION FOR THE MONTH	22,897	(3,447)	26,344	(764.3)	104,132	43,829	60,303	137.6
9. TRUE-UP & INT. PROV. BEG. OF MONTH	11,905,246	6,351,262	5,553,984	87.4	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,854)	(728,854)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	4,072,105	(1,691,088)	5,763,193	(340.8)	NOT APPLICABLE			

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: AUGUST, 1998
CURRENT MONTH

SCHEDULE A2
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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	5,862,839	308,855	5,553,984	1,798.2	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	4,049,208	(1,687,641)	5,736,849	(339.9)	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	9,912,047	(1,378,786)	11,290,833	(818.9)	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	4,956,024	(689,393)	5,645,417	(818.9)	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.560	6.000	(0.440)	(7.3)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.520	6.000	(0.480)	(8.0)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	11.080	12.000	(0.920)	(7.7)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.540	6.000	(0.460)	(7.7)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.462	0.500	(0.038)	(7.6)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	22,897	(3,447)	26,344	(764.3)	NOT APPLICABLE			

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF AUGUST, 1998

SCHEDULE A6
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(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:									
VARIOUS JURISDICTIONAL	ECON. -D	74,344.0	0.0	74,344.0	1.618	2.185	1,202,600.00	1,624,700.00	337,680.00
VARIOUS JURISDICTIONAL SEPARATED	SCH. -D	5,840.0	0.0	5,840.0	1.836	1.836	107,200.00	107,200.00	
VARIOUS SEPARATED	SCH. -D	35,228.0	0.0	35,228.0	1.477	1.720	520,300.00	605,800.00	
VARIOUS SEPARATED	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS SEPARATED	CONTRACT	21,235.0	0.0	21,235.0	2.389	3.197	507,200.00	678,400.00	
LAKELAND/FMPA JURISDICTIONAL	SCH. -D	63,240.0	0.0	63,240.0	1.503	1.563	950,500.00	988,400.00	
VARIOUS JURISDICTIONAL	SCH. -J	5,952.0	0.0	5,952.0	2.354	2.354	140,100.00	140,100.00	
TOTAL INCLUDING VARIABLE O & M COSTS		205,839.0	0.0	205,839.0	1.665	2.014	3,427,900.00	4,145,000.00	337,680.00
LESS TRANSMISSION COSTS							0.00		
LESS VARIABLE O & M COSTS							(94,400.00)		
PLUS 80% OF ECON. ENERGY SALES PROFITS							337,680.00		
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		205,839.0	0.0	205,839.0	1.784	2.014	3,671,180.00	4,145,000.00	337,680.00
ACTUAL:									
FLA. PWR. CORP.	ECON. -C	10,139.0	0.0	10,139.0	1.995	2.765	202,306.20	280,378.35	62,457.72
FLA. PWR. & LIGHT	ECON. -C	1,431.0	0.0	1,431.0	2.261	2.910	32,348.83	41,642.17	7,434.68
CITY OF LAKELAND	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FT. PIERCE UTIL. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF GAINESVILLE	ECON. -C	185.0	0.0	185.0	2.021	2.852	3,739.15	5,276.43	1,229.82
CITY OF HOMESTEAD	ECON. -C	342.0	0.0	342.0	1.782	2.162	6,093.43	7,393.48	1,040.04
JACKSONVILLE ELEC. AUTH.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES	ECON. -C	922.0	0.0	922.0	1.868	3.344	17,226.79	30,829.31	10,882.02
CITY OF NEW SMYRNA BCH.	ECON. -C	19.0	0.0	19.0	1.994	4.345	378.77	825.55	357.42
ORLANDO UTIL. COMM.	ECON. -C	2,680.0	0.0	2,680.0	1.704	1.769	45,667.07	47,422.50	1,404.34
SEMINOLE ELECTRIC CO-OP	ECON. -C	2,643.0	0.0	2,643.0	1.782	2.128	47,085.85	56,242.45	7,325.28
CITY OF ST. CLOUD	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF STARKE	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TALLAHASSEE	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF VERO BEACH	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	ECON. -C	75.0	0.0	75.0	1.850	2.237	1,387.78	1,677.73	231.96
KEY WEST	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK	ECON. -C	12,372.0	0.0	12,372.0	1.695	1.983	209,762.99	245,278.35	28,412.29
SONAT	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
THE ENERGY AUTHORITY	ECON. -C	323.0	0.0	323.0	4.309	5.200	13,918.07	16,796.00	2,302.34
NP ENERGY INC.	ECON. -C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KOCH	ECON. -C	885.0	0.0	885.0	3.125	8.032	27,656.25	71,083.20	34,741.56
TENNESSEE VALLEY AUTHORITY	ECON. -C	1,936.0	0.0	1,936.0	2.554	5.233	49,436.16	101,302.85	41,493.35
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	12,294.0	0.0	12,294.0	1.664	1.810	204,560.80	222,551.14	
REEDY CREEK	SEPAR. SCH. -D	14,880.0	0.0	14,880.0	1.518	1.822	225,878.40	271,113.60	
WAUCHULA	SEPAR. SCH. -D	3,720.0	0.0	3,720.0	1.518	1.822	56,469.60	67,778.40	
FT. MEADE	SEPAR. SCH. -D	3,720.0	0.0	3,720.0	1.518	1.822	56,469.60	67,778.40	
CITY OF ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS	CONTRACT	55,054.0	0.0	55,054.0	2.003	2.639	1,102,731.62	1,452,875.06	
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	4,722.0	573.9	4,148.1	2.624	2.624	108,865.93	108,865.93	
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	961.0	0.0	961.0	1.756	1.756	16,873.73	16,873.73	
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
FLA. PWR. & LIGHT	JURISD. SCH. -J	1,316.0	0.0	1,316.0	4.990	4.990	65,663.98	65,663.98	
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF LAKELAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
REEDY CREEK	JURISD. SCH. -J	8,215.0	0.0	8,215.0	2.243	2.243	184,242.70	184,242.70	
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	4,220.0	0.0	4,220.0	2.340	2.340	98,735.34	98,735.34	
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF GAINESVILLE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	

POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF AUGUST, 1998

SCHEDULE A6
PAGE 2 OF 2

(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	---cents/KWH---		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
					(A) FUEL COST	(B) TOTAL COST			
FMPA	SCH. -D	63,240.0	63,240.0	0.0	0.000	0.000	0.00	0.00	
HARDEE PWR. PARTNERS TO FPC	ECON.-C	2,512.0	0.0	2,512.0	2.293	2.822	57,599.92	70,892.68	10,634.21 *
HARDEE PWR. PARTNERS TO FP&L	ECON.-C	1,352.0	0.0	1,352.0	4.731	5.264	63,969.66	71,162.53	5,754.30 **
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.-C	105.0	0.0	105.0	1.769	2.099	1,857.38	2,204.42	277.63 **
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.-C	24.0	0.0	24.0	1.762	2.233	422.92	536.01	90.47 **
HARDEE PWR. PARTNERS TO JACKSONVILLE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO KISSIMMEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO ORLANDO	ECON.-C	2.0	0.0	2.0	1.748	1.928	34.96	38.56	2.88 **
HARDEE PWR. PARTNERS TO STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO HOMESTEAD	ECON.-C	25.0	0.0	25.0	1.748	2.067	436.96	516.83	63.90 **
HARDEE PWR. PARTNERS TO SEMINOLE	ECON.-C	218.0	0.0	218.0	1.753	2.131	3,821.40	4,645.43	659.22 **
HARDEE PWR. PARTNERS TO FT. PIERCE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO TALLAHASSEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO LAKE LAND	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON.-C	239.0	0.0	239.0	2.410	3.217	5,760.16	7,689.15	1,543.19 **
HARDEE PWR. PARTNERS TO KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 **
HARDEE PWR. PARTNERS TO KOCH	ECON.-C	910.0	0.0	910.0	4.959	5.939	45,126.90	54,044.71	7,134.25 **
HARDEE PWR. PARTNERS TO TVA	ECON.-C	387.0	0.0	387.0	3.115	4.279	12,055.05	16,559.04	3,603.19 **
FLA. PWR. CORP.	C.T. -A	80.0	0.0	80.0	5.395	5.395	4,315.85	4,315.85	
ADJUSTMENTS TO JULY 1998:									
HARDEE POWER PARTNERS CONTRACT	SCH. -D	(62,938.0)	0.0	(62,938.0)	2.005	2.644	(1,261,906.90)	(1,664,080.72)	
HARDEE POWER PARTNERS CONTRACT	SCH. -D	62,938.0	0.0	62,938.0	2.003	2.639	1,260,648.14	1,660,933.82	
CITY OF NEW SMYRNA BCH. JURISD.	SCH. -J	(4,640.0)	0.0	(4,640.0)	2.468	2.468	(114,533.00)	(114,533.00)	
CITY OF NEW SMYRNA BCH. JURISD.	SCH. -J	4,640.0	0.0	4,640.0	2.340	2.340	108,562.08	108,562.08	
REEDY CREEK JURISD.	SCH. -J	(9,329.0)	0.0	(9,329.0)	2.224	2.224	(207,441.13)	(207,441.13)	
REEDY CREEK JURISD.	SCH. -J	9,329.0	0.0	9,329.0	2.224	2.224	207,442.63	207,442.63	
CITY OF NEW SMYRNA BCH. SEPAR.	SCH. -D	(13,377.0)	0.0	(13,377.0)	1.685	1.831	(225,395.30)	(244,973.70)	
CITY OF NEW SMYRNA BCH. SEPAR.	SCH. -D	13,377.0	0.0	13,377.0	1.685	1.801	225,395.30	240,922.70	
SUB-TOTAL ECONOMY POWER SALES(INCL. ECON. TRANSM.)		39,726.0	0.0	39,726.0	2.135	2.856	848,092.65	1,134,437.73	229,076.06
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.		34,614.0	0.0	34,614.0	1.570	1.806	543,378.40	625,170.54	
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		5,683.0	573.9	5,109.1	2.461	2.461	125,739.66	125,739.66	
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.		13,751.0	0.0	13,751.0	2.492	2.492	342,672.60	342,672.60	
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.		55,054.0	0.0	55,054.0	2.001	2.633	1,101,472.86	1,449,728.16	
SUB-TOTAL OTHER POWER SALES		63,320.0	63,240.0	80.0	5.395	5.395	4,315.85	4,315.85	
TOTAL INCLUDING VARIABLE O & M COSTS		212,148.0	63,813.9	148,334.1	1.999	2.482	2,965,672.02	3,682,064.54	229,076.06
LESS VARIABLE O & M COSTS		-	-	-	-	-	(56,699.84)	-	-
LESS VARIABLE O & M COSTS - HARDEE		-	-	-	-	-	(808.36)	-	-
LESS TRANSMISSION COSTS SCH.-D (SEP.)		-	-	-	-	-	(19,146.90)	-	(53,760.00)
LESS 80% ECON. TRANS. INCLUDED IN TOTAL PROFIT **		-	-	-	-	-	175,316.06	-	-
PLUS 80% OF ECON. ENERGY SALES PROFITS		-	-	-	-	-	-	-	175,316.06
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		212,148.0	63,813.9	148,334.1	2.066	2.482	3,064,332.98	3,682,064.54	175,316.06
CURRENT MONTH:									
DIFFERENCE		6,309.0	63,813.9	(57,504.9)	0.282	0.468	(606,847.02)	(462,935.46)	(162,363.94)
DIFFERENCE %		3.1	0.0	(27.9)	15.8	23.2	(16.5)	(11.2)	(48.1)
PERIOD TO DATE:									
ACTUAL		1,070,131.0	297,455.5	772,675.5	2.371	2.882	18,321,514.64	22,268,436.52	4,456,709.90
ESTIMATED		1,036,582.0	0.0	1,036,582.0	1.790	2.027	18,558,400.00	21,013,800.00	1,921,600.00
DIFFERENCE		33,549.0	297,455.5	(263,906.5)	0.581	0.855	(236,885.36)	1,254,636.52	2,535,109.90
DIFFERENCE %		3.2	0.0	(25.5)	32.5	42.2	(1.3)	6.0	131.9

* THE PROFITS REFLECTED ARE ONLY ON TEC 40%. SEC 60% OR \$33,882.54 HAS BEEN EXCLUDED.
** TOTAL ECONOMY TRANSMISSION DOLLARS FOR AUGUST 1998 IS \$67,200.

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COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
MONTH OF: SEPTEMBER, 1998

SCHEDULE A1

	\$				MWH				cents/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
1. Fuel Cost of System Net Generation (A3)	30,222,826	34,679,220	(4,456,394)	(12.9)	1,455,680	1,652,300	(196,620)	(11.9)	2.07620	2.09885	(0.02265)	(1.1)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4a. Adj. to Fuel Cost (Fl. Neade/Vauch. Wheeling Losses)	(3,775)	(3,500)	(275)	7.9	1,455,680 (a)	1,652,300 (a)	(196,620)	(11.9)	(0.00026)	(0.00021)	(0.00005)	23.8
4b. Adjustments to Fuel Cost	0	0	0	0.0	1,455,680 (a)	1,652,300 (a)	(196,620)	(11.9)	0.00000	0.00000	0.00000	0.0
4c. Adjustments to Fuel Cost	0	0	0	0.0	1,455,680 (a)	1,652,300 (a)	(196,620)	(11.9)	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	30,219,051	34,675,720	(4,456,669)	(12.9)	1,455,680	1,652,300	(196,620)	(11.9)	2.07594	2.09863	(0.02269)	(1.1)
6. Fuel Cost of Purchased Power - Firm (A7)	3,912,702	1,435,400	2,477,302	172.6	146,995	48,202	98,793	205.0	2.66179	2.97788	(0.31609)	(10.6)
7. Energy Cost of Sch. C, X Economy Purchases (Broker) (A9)	21,707	312,400	(290,693)	(93.1)	709	7,071	(6,362)	(90.0)	3.06164	1.11805	(1.35611)	(30.7)
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. E Economy Purchases (A9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0 (a)	0 (a)	0	0.0	0.00000	0.00000	0.00000	0.0
11. Payments to Qualifying Facilities (AB)	651,899	848,600	(196,701)	(23.2)	33,550	39,973	(6,423)	(16.1)	1.94307	2.12293	(0.17986)	(8.5)
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	4,586,308	2,596,400	1,989,908	76.6	181,254	95,246	86,008	90.3	2.53032	2.72599	(0.19567)	(7.2)
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)					1,636,934	1,747,546	(110,612)	(6.3)				
14. Fuel Cost of Economy Sales (A6)	523,041	1,046,300	(523,259)	(50.0)	30,127	68,319	(38,192)	(55.9)	1.73612	1.53119	0.20463	13.4
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	64,129	293,040	(228,911)	(78.1)	30,127 (a)	68,319 (a)	(38,192)	(55.9)	0.21286	0.42893	(0.21607)	(50.4)
16. Fuel Cost of Sch. D Separ. Sales (A6)	518,518	500,800	17,718	3.5	31,240	34,091	(2,851)	(9.1)	1.51436	1.46901	0.04535	3.1
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	100,641	98,700	1,941	2.0	4,512	5,781	(1,269)	(22.0)	2.23052	1.70732	0.52320	30.6
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	248,616	135,500	113,116	83.5	11,885	5,760	6,125	106.3	2.09185	2.35243	(0.26058)	(11.1)
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	673,889	225,300	448,589	199.1	28,828	9,133	19,695	205.6	2.33762	2.38842	(0.05080)	(2.1)
21. Fuel Cost of Other Power Sales (A6)	(447)	912,300	(912,747)	(100.0)	0	61,200	(61,200)	(100.0)	0.00000	1.49069	(1.49069)	(100.0)
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	2,128,387	3,211,940	(1,083,553)	(33.7)	109,592	184,584	(74,992)	(40.6)	1.94210	1.74010	0.20200	11.6
23. Net Inadvertant Interchange					(50)	0	(50)	0.0				
24. Wheeling Rec'd. less Wheeling Delv'd.					774	0	774	0.0				
25. Interchange and Wheeling Losses					797	2,800	(2,003)	(71.5)				
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	32,676,972	34,060,180	(1,383,208)	(4.1)	1,527,269	1,560,162	(32,893)	(2.1)	2.13957	2.18312	(0.04355)	(2.0)
27. Net Unbilled	(3,081,751) (a)	(1,244,051) (a)	(1,837,700)	147.7	(144,036)	(56,985)	(87,051)	152.8	(0.19817)	(0.08095)	(0.11722)	144.8
28. Company Use	87,722 (a)	82,959 (a)	4,763	5.7	4,100	3,800	300	7.9	0.00564	0.00540	0.00024	4.4
29. T & D Losses	2,397,666 (a)	1,670,523 (a)	727,143	43.5	112,063	76,520	35,543	46.4	0.15418	0.10870	0.04548	41.8
30. System KWH Sales	32,676,972	34,060,180	(1,383,208)	(4.1)	1,555,142	1,536,827	18,315	1.2	2.10122	2.21627	(0.11505)	(5.2)
31. Wholesale KWH Sales	(253,975)	(347,376)	93,401	(26.9)	(12,087)	(15,674)	3,587	(22.9)	2.10122	2.21626	(0.11504)	(5.2)
31a. Jurisdictional Transmission	(44,061)	0	(44,061)	0.0								
32. Jurisdictional KWH Sales	32,378,936	33,712,804	(1,333,868)	(4.0)	1,543,055	1,521,153	21,902	1.4	2.09837	2.21627	(0.11790)	(5.3)
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional KWH Sales Adjusted for Line Losses	32,383,145	33,717,187	(1,334,042)	(4.0)	1,543,055	1,521,153	21,902	1.4	2.09864	2.21655	(0.11791)	(5.3)
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	413,224	412,214	1,010	0.2	1,543,055	1,521,153	21,902	1.4	0.02678	0.02710	(0.00032)	(1.2)
36. Fuel Credit Differential - FNPA Sale	0	(373,992)	373,992	(100.0)	1,543,055	1,521,153	21,902	1.4	0.00000	(0.02159)	0.02159	(100.0)
37. True-up *	(728,851)	(728,851)	0	0.0	1,543,055	1,521,153	21,902	1.4	(0.04723)	(0.04791)	0.00068	(1.4)
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	32,067,518	33,026,558	(959,040)	(2.9)	1,543,055	1,521,153	21,902	1.4	2.07818	2.17115	(0.09297)	(4.3)
39. Revenue Tax Factor									1.00083	1.00000	0.00083	8.3
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.07990	2.17295	(0.09305)	(4.3)
41. GPIF * (Already Adjusted for Taxes)	(60,591)	(60,592)	1	0.0	1,543,055	1,521,153	21,902	1.4	(0.00393)	(0.00398)	0.00005	(1.3)
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	32,006,927	32,965,966	(959,039)	(2.9)	1,543,055	1,521,153	21,902	1.4	2.07597	2.16897	(0.09300)	(4.3)
43. Fuel FAC Rounded to the Nearest .001 cents per KWH									2.076	2.169	(0.093)	(4.3)

* Based on Jurisdictional Sales (a) included for informational purposes only

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COMPARISON OF ESTIMATED AND ACTUAL
FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
PERIOD TO DATE THROUGH: SEPTEMBER, 1998

SCHEDULE A1

	\$				MWH				cents/KWH			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %		ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %		ACTUAL	ESTIMATED	DIFFERENCE AMOUNT %	
1. Fuel Cost of System Net Generation (A1)	192,399,511	208,814,406	(16,414,895) (7.9)		9,332,845	9,808,202	(475,357) (4.8)		2.06153	2.12898	(0.06745) (3.2)	
2. Spent Nuclear Fuel Disposal Cost	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
3. Coal Car Investment	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
4a. Adj. to Fuel Cost (Vt. Meade/Wauch. Wheeling Losses)	(24,614)	(21,000)	(3,614) 17.2		9,332,845 (a)	9,808,202 (a)	(475,357) (4.8)		(0.00026)	(0.00021)	(0.00005) 23.8	
4b. Adjustments to Fuel Cost	0	0	0 0.0		9,332,845 (a)	9,808,202 (a)	(475,357) (4.8)		0.00000	0.00000	0.00000 0.0	
4c. Adjustments to Fuel Cost	0	0	0 0.0		9,332,845 (a)	9,808,202 (a)	(475,357) (4.8)		0.00000	0.00000	0.00000 0.0	
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4c)	192,374,897	208,793,406	(16,418,509) (7.9)		9,332,845	9,808,202	(475,357) (4.8)		2.06127	2.12876	(0.06749) (3.2)	
6. Fuel Cost of Purchased Power - Firm (A7)	20,092,069	10,422,500	9,669,569 92.8		659,137	336,033	323,104 96.2		3.04824	3.10163	(0.05339) (1.7)	
7. Energy Cost of Sch. C, X Economy Purchases (Broker) (A9)	184,320	1,441,500	(1,257,180) (87.2)		6,432	33,264	(26,832) (80.7)		2.86567	4.33351	(1.46784) (33.9)	
8. Energy Cost of Other Economy Purchases (Non-Broker) (A9)	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
9. Energy Cost of Sch. E Economy Purchases (A3)	0	0	0 0.0		0	0	0 0.0		0.00000	0.00000	0.00000 0.0	
10. Capacity Cost of Sch. E Economy Purchases	0	0	0 0.0		0	0 (a)	0 0.0		0.00000	0.00000	0.00000 0.0	
11. Payments to Qualifying Facilities (A8)	4,196,194	5,457,200	(1,261,006) (23.1)		230,443	237,749	(7,306) (3.1)		1.82092	2.29536	(0.47444) (20.7)	
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	24,472,583	17,321,200	7,151,383 41.3		896,012	607,946	288,966 47.6		2.73128	2.85336	(0.12208) (4.3)	
13. TOTAL AVAILABLE MWH (LINE 5 + LINE 12)					10,228,857	10,415,248	(186,391) (1.8)					
14. Fuel Cost of Economy Sales (A6)	5,527,371	7,295,500	(1,768,129) (24.2)		320,628	479,664	(159,036) (33.2)		1.72392	1.52096	0.20296 13.3	
15. Gain on Economy Sales - 80% (A6) EXCL. TRANSM.	4,520,839	2,214,640	2,306,199 104.1		320,628	479,664 (a)	(159,036) (33.2)		1.41008	0.46171	0.94829 205.4	
16. Fuel Cost of Sch. D Separ. Sales (A6)	2,931,419	2,915,800	15,619 0.5		198,626	198,878	(252) (0.1)		1.47585	1.46612	0.00973 0.7	
17. Fuel Cost of Sch. D Jurisd. Sales (A6)	551,271	534,700	16,571 3.1		28,906	30,734	(1,828) (5.9)		1.90712	1.73977	0.16735 9.6	
18. Fuel Cost of Sch. G Jurisd. Sales (A6)	2,909	0	2,909 0.0		75	0	75 0.0		3.87867	0.00000	3.87867 0.0	
19. Fuel Cost of Sch. J Jurisd. Sales (A6)	1,514,082	680,900	833,182 122.4		65,242	28,824	36,418 126.3		2.32072	2.36227	(0.04155) (1.8)	
20. Fuel Cost of HPP Sch. D Separ. Sales (A6)	5,133,985	2,576,300	2,557,685 99.3		252,047	109,746	142,301 129.7		2.03692	2.34751	(0.31059) (13.2)	
21. Fuel Cost of Other Power Sales (A6)	268,026	5,552,500	(5,284,474) (95.2)		16,744	373,320	(356,576) (95.5)		1.60073	1.48733	0.11340 7.6	
22. TOTAL FUEL COST AND GAINS OF POWER SALES (LINE 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21)	20,449,302	21,770,340	(1,320,438) (6.1)		882,268	1,221,166	(338,898) (27.8)		2.31788	1.78275	0.53513 30.0	
23. Net Inadvertant Interchange					(670)	0	(670) 0.0					
24. Wheeling Rec'd. less Wheeling Delv'd.					5,710	0	5,710 0.0					
25. Interchange and Wheeling Losses					14,626	18,600	(3,974) (21.4)					
26. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 - 22 + 23 + 24 - 25)	196,397,578	204,344,266	(7,946,688) (3.9)		9,337,003	9,175,482	161,521 1.8		2.10343	2.22707	(0.12364) (5.6)	
27. Net Unbilled	3,302,532 (a)	3,965,031 (a)	(662,499) (16.7)		157,007	178,038	(21,031) (11.8)		0.03805	0.04650	(0.00845) (18.2)	
28. Company Use	525,879 (a)	507,772 (a)	18,107 3.6		25,001	22,800	2,201 9.7		0.00606	0.00595	0.00011 1.8	
29. T & D Losses	10,026,273 (a)	9,967,942 (a)	58,331 0.6		476,663	447,581	29,082 6.5		0.11553	0.11690	(0.00137) (1.2)	
30. System KWH Sales	196,397,578	204,344,266	(7,946,688) (3.9)		8,678,332	8,527,063	151,269 1.8		2.26308	2.39642	(0.13334) (5.6)	
31. Wholesale KWH Sales	(2,924,195)	(2,273,623)	(650,572) 28.6		(128,480)	(94,549)	(33,931) 35.9		2.27599	2.40470	(0.12871) (5.4)	
31a. Jurisdictional Transmission	(357,396)	0	(357,396) 0.0									
32. Jurisdictional KWH Sales	193,115,987	202,070,643	(8,954,656) (4.4)		8,549,852	8,432,514	117,338 1.4		2.25871	2.39633	(0.13762) (5.7)	
33. Jurisdictional Loss Multiplier - 1.00013												
34. Jurisdictional KWH Sales Adjusted for Line Losses	193,141,092	202,096,913	(8,955,821) (4.4)		8,549,852	8,432,514	117,338 1.4		2.25900	2.39664	(0.13764) (5.7)	
35. Peabody Coal Contract Buy-Out Amort. Jurisdictionalized	2,496,794	2,509,595	(12,801) (0.5)		8,549,852	8,432,514	117,338 1.4		0.02920	0.02976	(0.00056) (1.9)	
36. Fuel Credit Differential - FMPA Sale	(13,179)	(2,938,153)	2,924,974 (99.6)		8,549,852	8,432,514	117,338 1.4		(0.00015)	(0.03484)	0.03469 (99.6)	
37. True-up *	(4,373,121)	(4,373,121)	0 0.0		8,549,852	8,432,514	117,338 1.4		(0.05115)	(0.05186)	0.00071 (1.4)	
38. Total Jurisdictional Fuel Cost (Excl. GPIF)	191,251,586	197,295,234	(6,043,648) (3.1)		8,549,852	8,432,514	117,338 1.4		2.23590	2.33970	(0.10280) (4.4)	
39. Revenue Tax Factor									1.00083	1.00083	0.00000 0.0	
40. Fuel Cost Adjusted for Taxes (Excl. GPIF)									2.23876	2.34164	(0.10288) (4.4)	
41. GPIF * (Already Adjusted for Taxes)	(363,546)	(363,547)	1 0.0		8,549,852	8,432,514	117,338 1.4		(0.00425)	(0.00431)	0.00006 (1.4)	
42. Fuel Cost Adjusted for Taxes (Incl. GPIF)	190,888,040	196,931,687	(6,043,647) (3.1)		8,549,852	8,432,514	117,338 1.4		2.23451	2.33733	(0.10282) (4.4)	
43. Fuel FAC Rounded to the Nearest .001 cents per KWH									2.235	2.337	(0.102) (4.4)	

* Based on Jurisdictional Sales (a) included for informational purposes only

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: SEPTEMBER, 1998
CURRENT MONTH

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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
A. FUEL COST & NET POWER TRANSACTION								
1. FUEL COST OF SYSTEM NET GENERATION	30,222,826	34,679,220	(4,456,394)	(12.9)	192,399,511	208,814,406	(16,414,895)	(7.9)
a. FUEL REL. R & D AND DEMO. COST	0	0	0	0.0	0	0	0	0.0
2. FUEL COST OF POWER SOLD *	2,128,387	3,211,940	(1,083,553)	(33.7)	20,449,902	21,770,340	(1,320,438)	(6.1)
3. FUEL COST OF PURCHASED POWER	3,912,702	1,435,400	2,477,302	172.6	20,092,069	10,422,500	9,669,569	92.8
a. DEMAND & NONFUEL COST OF PUR. PWR.	0	0	0	0.0	0	0	0	0.0
b. PAYMENT TO QUALIFIED FACILITIES	651,899	848,600	(196,701)	(23.2)	4,196,194	5,457,200	(1,261,006)	(23.1)
4. ENERGY COST OF ECONOMY PURCHASES	21,707	312,400	(290,693)	(93.1)	184,320	1,441,500	(1,257,180)	(87.2)
5. TOTAL FUEL & NET POWER TRANSACTION	32,680,747	34,063,680	(1,382,933)	(4.1)	196,422,192	204,365,266	(7,943,074)	(3.9)
6a. ADJUSTMENTS TO FUEL COST (FT. MEADE/WAUCHULA WHEELING LOSSES)	(3,775)	(3,500)	(275)	7.9	(24,614)	(21,000)	(3,614)	17.2
6b. ADJUSTMENTS TO FUEL COST	0	0	0	0.0	0	0	0	0.0
6c. ADJ. TO FUEL COST	0	0	0	0.0	0	0	0	0.0
7. ADJUSTED TOTAL FUEL & NET PWR. TRANS. * INCLUDES ECONOMY SALES PROFITS (80%)	32,676,972	34,060,180	(1,383,208)	(4.1)	196,397,578	204,344,266	(7,946,688)	(3.9)
B. MWH SALES								
1. JURISDICTIONAL SALES	1,543,055	1,521,153	21,902	1.4	8,549,852	8,432,514	117,338	1.4
2. NONJURISDICTIONAL SALES	12,087	15,674	(3,587)	(22.9)	128,480	94,549	33,931	35.9
3. TOTAL SALES	1,555,142	1,536,827	18,315	1.2	8,678,332	8,527,063	151,269	1.8
4. JURISDIC. SALES-% TOTAL KWH SALES	0.9922277	0.9898011	0.0024266	0.2	0.9851953	0.9889119	(0.0037166)	(0.4)

CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
MONTH OF: SEPTEMBER, 1998
CURRENT MONTH

	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
C. TRUE-UP CALCULATION								
1. JURISDICTIONAL FUEL REVENUE	35,770,993	35,560,485	210,508	0.6	197,837,814	197,062,438	775,376	0.4
2. FUEL ADJUSTMENT NOT APPLICABLE	0	0	0	0.0	0	0	0	0.0
a. TRUE-UP PROVISION	728,851	728,851	0	0.0	4,373,121	4,373,121	0	0.0
b. INCENTIVE PROVISION	60,591	60,592	(1)	0.0	363,546	363,547	(1)	0.0
c. TRANSITION ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
d. OTHER	0	0	0	0.0	0	0	0	0.0
3. JURIS. FUEL REVENUE APPL. TO PERIOD	36,560,435	36,349,928	210,507	0.6	202,574,481	201,799,106	775,375	0.4
4. ADJ. TOTAL FUEL & NET PWR. TRANS. (LINE A-7)	32,676,972	34,060,180	(1,383,208)	(4.1)	196,397,578	204,344,266	(7,946,688)	(3.9)
5. JURISDIC. SALES- % TOTAL KWH SALES (LINE B-4)	0.9922277	0.9898011	0.0024266	0.2	NA	NA	-	-
5a. JURISDIC. TOTAL FUEL & NET PWR.TRANS. (EXCLUDING ECONOMY TRANS. REV.)	32,422,997	33,712,804	(1,289,807)	(3.8)	193,473,383	202,070,643	(8,597,260)	(4.3)
5b. 80% ECONOMY TRANSMISSION REVENUES (49,840)	(49,840)	0	(49,840)	0.0	(412,560)	0	(412,560)	0.0
5c. TRANSMISSION SEPARATION FACTOR 0.8840448	0.8840448	0.0000000	0.8840448	0.0	NA	NA	-	-
5d. JURIS. ECONOMY TRANSMISSION REV. (44,061)	(44,061)	0	(44,061)	0.0	(357,396)	0	(357,396)	0.0
6. JURISDIC. TOTAL FUEL & NET PWR.TRANS. (INCLUDING ECONOMY TRANS. REV.)	32,378,936	33,712,804	(1,333,868)	(4.0)	193,115,987	202,070,643	(8,954,656)	(4.4)
6A. JURISDIC. LOSS MULTIPLIER 1.00013	1.00013	1.00013	0.00000	0.0	NA	NA	-	-
6B. (LINE 6 x LINE 6A)	32,383,145	33,717,187	(1,334,042)	(4.0)	193,141,092	202,096,913	(8,955,821)	(4.4)
6C. PEABODY COAL CONTRACT BUY-OUT AMORT.	416,461	416,461	0	0.0	2,533,731	2,536,731	(3,000)	(0.1)
6D. (LINE 6C x LINE 5)	413,224	412,214	1,010	0.2	2,496,794	2,509,595	(12,801)	(0.5)
6E. INTEREST ON SEPT. 97 ADJ. ON FUEL CREDIT DIFFERENTIAL-FMPA/LKL SALE	0	0	0	0.0	0	0	0	0.0
6F. FUEL CREDIT DIFFERENTIAL-FMPA SALE	0	(373,992)	373,992	0.0	(13,179)	(2,938,153)	2,924,974	(99.6)
6G. REVENUE REFUND TRUE-UP ADJUSTMENT	0	0	0	0.0	0	0	0	0.0
6H. OIL BELOW THE DISCHARGE VALVE	0	0	0	0.0	0	0	0	0.0
6I. TRANSMISSION ADJ. (JAN.-NOV. 97)	0	0	0	0.0	0	0	0	0.0
6J. JURISDIC. TOTAL FUEL & NET PWR. INCL. ALL ADJUSTMENTS	32,796,369	33,755,409	(959,040)	(2.8)	195,624,707	201,868,355	(6,043,648)	(3.0)
7. TRUE-UP PROV. FOR MO. +/- COLLECTED (LINE C-3 - LINE C-6J)	3,764,066	2,594,519	1,169,547	45.1	6,949,774	130,751	6,819,023	5,215.3
8. INTEREST PROVISION FOR THE MONTH	25,042	(3,791)	28,833	(760.6)	129,174	40,038	89,136	222.6
9. TRUE-UP & INT. PROV. BEG. OF MONTH	10,114,512	4,351,319	5,763,193	132.4	NOT APPLICABLE			
9a. DEFERRED TRUE-UP BEGINNING OF PERIOD	(6,042,407)	(6,042,407)	0	0.0	NOT APPLICABLE			
10. TRUE-UP COLLECTED (REFUNDED)	(728,851)	(728,851)	0	0.0	NOT APPLICABLE			
11. END OF PERIOD TOTAL NET TRUE-UP (LINE C-7 through C-10)	7,132,362	170,789	6,961,573	4,076.1	NOT APPLICABLE			

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CALCULATION OF TRUE-UP AND INTEREST PROVISION
TAMPA ELECTRIC COMPANY
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	CURRENT MONTH				PERIOD TO DATE			
	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%	ACTUAL	ESTIMATED	DIFFERENCE AMOUNT	%
D. INTEREST PROVISION								
1. BEGINNING TRUE-UP AMOUNT (LINE C-9 + C-9a)	4,072,105	(1,691,088)	5,763,193	(340.8)	NOT APPLICABLE			
2. ENDING TRUE-UP AMOUNT BEFORE INT. (LINES C-7 + C-9 + C-9a + C-10)	7,107,320	174,580	6,932,740	3,971.1	NOT APPLICABLE			
3. TOTAL BEG. & END. TRUE-UP AMOUNT	11,179,425	(1,516,508)	12,695,933	(837.2)	NOT APPLICABLE			
4. AVG. TRUE-UP AMT. (50% OF LINE D-3)	5,589,712	(758,254)	6,347,966	(837.2)	NOT APPLICABLE			
5. INT. RATE-FIRST DAY REP. BUS. MONTH	5.520	6.000	(0.480)	(8.0)	NOT APPLICABLE			
6. INT. RATE-FIRST DAY SUBSEQUENT MONTH	5.220	6.000	(0.780)	(13.0)	NOT APPLICABLE			
7. TOTAL (LINE D-5 + LINE D-6)	10.740	12.000	(1.260)	(10.5)	NOT APPLICABLE			
8. AVERAGE INT. RATE (50% OF LINE D-7)	5.370	6.000	(0.630)	(10.5)	NOT APPLICABLE			
9. MONTHLY AVG. INT. RATE (LINE D-8/12)	0.448	0.500	(0.052)	(10.4)	NOT APPLICABLE			
10. INT. PROVISION (LINE D-4 x LINE D-9)	25,042	(3,791)	28,833	(760.6)	NOT APPLICABLE			

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POWER SOLD
TAMPA ELECTRIC COMPANY
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(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	---cents/KWH--- (A) FUEL COST (B) TOTAL COST		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:									
VARIOUS		68,319.0	0.0	68,319.0	1.659	2.195	1,133,100.00	1,499,400.00	293,040.00
VARIOUS	JURISDICTIONAL	5,781.0	0.0	5,781.0	1.707	1.707	98,700.00	98,700.00	
VARIOUS	SEPARATED	34,091.0	0.0	34,091.0	1.469	1.710	500,800.00	582,900.00	
VARIOUS		0.0	0.0	0.0	0.000	0.000	0.00	0.00	
HARDEE POWER PARTNERS	SEPARATED	9,433.0	0.0	9,433.0	2.388	3.197	225,300.00	301,600.00	
LAKELAND/FMPA		61,200.0	0.0	61,200.0	1.491	1.563	912,300.00	956,600.00	
VARIOUS	JURISDICTIONAL	5,760.0	0.0	5,760.0	2.352	2.352	135,500.00	135,500.00	
TOTAL INCLUDING VARIABLE O & M COSTS		184,584.0	0.0	184,584.0	1.628	1.937	3,005,700.00	3,574,700.00	293,040.00
LESS TRANSMISSION COSTS							(86,800.00)		
LESS VARIABLE O & M COSTS							293,040.00		
PLUS 80% OF ECON. ENERGY SALES PROFITS									
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		184,584.0	0.0	184,584.0	1.740	1.937	3,211,940.00	3,574,700.00	293,040.00
ACTUAL:									
FLA. PWR. CORP.		3,959.0	0.0	3,959.0	1.931	2.305	76,445.65	91,256.58	11,848.74
FLA. PWR. & LIGHT		1,893.0	0.0	1,893.0	2.155	2.706	40,796.40	51,230.11	8,346.98
CITY OF LAKELAND		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FT. PIERCE UTIL. AUTH.		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF GAINESVILLE		462.0	0.0	462.0	1.773	2.444	8,190.95	11,292.94	2,481.59
CITY OF HOMESTEAD		205.0	0.0	205.0	1.811	2.311	3,711.71	4,737.39	820.54
JACKSONVILLE ELEC. AUTH.		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES		325.0	0.0	325.0	1.935	3.112	6,289.69	10,113.52	3,059.06
CITY OF NEW SMYRNA BCH.		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
ORLANDO UTIL. COMM.		415.0	0.0	415.0	1.891	2.194	7,849.59	9,105.29	1,004.56
SEMINOLE ELECTRIC CO-OP		4,417.0	0.0	4,417.0	1.832	2.240	80,917.79	98,941.86	14,419.26
CITY OF ST. CLOUD		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF STARKE		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
TALLAHASSEE		33.0	0.0	33.0	1.876	2.719	619.02	897.33	222.65
CITY OF VERO BEACH		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA		78.0	0.0	78.0	1.839	1.901	1,434.63	1,483.02	38.71
KEY WEST		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK		13,802.0	0.0	13,802.0	1.768	2.020	244,077.09	278,831.67	27,803.66
SONAT		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
THE ENERGY AUTHORITY		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
NP ENERGY, INC.		0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KOCH		1,600.0	0.0	1,600.0	1.992	4.618	31,877.00	73,881.63	33,603.70
TENNESSEE VALLEY AUTHORITY		400.0	0.0	400.0	2.694	3.726	10,776.00	14,904.97	3,303.18
FLA. PWR. & LIGHT	SEPAR.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FMPA	SEPAR.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR.	12,640.0	0.0	12,640.0	1.669	1.816	210,985.56	229,485.28	
REEDY CREEK	SEPAR.	14,400.0	0.0	14,400.0	1.518	1.822	218,592.00	262,368.00	
WAUCHULA	SEPAR.	3,600.0	0.0	3,600.0	1.518	1.822	54,648.00	65,592.00	
FT. MEADE	SEPAR.	3,600.0	0.0	3,600.0	1.518	1.822	54,648.00	65,592.00	
CITY OF ST. CLOUD	SEPAR.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
HARDEE POWER PARTNERS	CONTRACT	28,828.0	0.0	28,828.0	2.118	2.758	610,577.04	795,076.24	
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD.	4,188.0	317.2	3,870.8	2.302	2.302	89,109.42	89,109.42	
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD.	641.0	0.0	641.0	1.799	1.799	11,531.70	11,531.70	
FLA. PWR. CORP.	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
FLA. PWR. & LIGHT	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF HOMESTEAD	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KEY WEST	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
KISSIMMEE ELEC. UTIL.	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF LAKELAND	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
ORLANDO UTIL. COMM.	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
REEDY CREEK	JURISD.	7,425.0	0.0	7,425.0	2.259	2.259	167,732.25	167,732.25	
SEMINOLE ELECTRIC CO-OP	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF NEW SMYRNA BCH.	JURISD.	4,460.0	0.0	4,460.0	2.340	2.340	104,350.62	104,350.62	
WAUCHULA	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
CITY OF VERO BEACH	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
LAKE WORTH UTILITIES	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
OGLETHORPE	JURISD.	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTH OF SEPTEMBER, 1998

SCHEDULE A
PAGE 2 OF 2

(1)	(2)	(3)	(4)	(5)		(6)		(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	---cents/KWH---		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES	
					(A) FUEL COST	(B) TOTAL COST				
FMPA	SCH. -D	61,200.0	61,200.0	0.0	0.000	0.000	0.00	0.00		
HARDEE PWR. PARTNERS TO PPC	ECON.-C	879.0	0.0	879.0	2.303	2.671	20,240.39	23,478.32	2,590.34 *	
HARDEE PWR. PARTNERS TO FP&L	ECON.-C	470.0	0.0	470.0	2.468	2.801	11,601.34	13,162.80	1,249.17 *	
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.-C	286.0	0.0	286.0	2.072	2.302	5,925.99	6,582.88	525.51 *	
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.-C	217.0	0.0	217.0	2.313	2.775	5,018.20	6,021.94	802.99 *	
HARDEE PWR. PARTNERS TO JACKSONVILLE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO KISSIMMEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO ORLANDO	ECON.-C	165.0	0.0	165.0	1.923	2.118	3,173.34	3,493.96	256.50 *	
HARDEE PWR. PARTNERS TO STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO HOMESTEAD	ECON.-C	14.0	0.0	14.0	1.926	2.267	269.66	317.36	38.16 *	
HARDEE PWR. PARTNERS TO SEMINOLE	ECON.-C	432.0	0.0	432.0	2.035	2.361	8,789.75	10,200.72	1,128.78 *	
HARDEE PWR. PARTNERS TO FT. PIERCE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO TALLAHASSEE	ECON.-C	19.0	0.0	19.0	1.705	2.154	323.95	409.23	68.22 *	
HARDEE PWR. PARTNERS TO LAKE LAND	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON.-C	56.0	0.0	56.0	2.039	2.835	1,141.81	1,587.72	356.73 *	
HARDEE PWR. PARTNERS TO KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
HARDEE PWR. PARTNERS TO ENERGY AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *	
ADJUSTMENTS TO AUGUST 1998										
HARDEE POWER PARTNERS CONTRACT	SCH. -D	(55,054.0)	0.0	(55,054.0)	2.003	2.639	(1,102,731.62)	(1,452,875.06)		
HARDEE POWER PARTNERS CONTRACT	SCH. -D	55,054.0	0.0	55,054.0	2.118	2.758	1,166,043.72	1,518,389.32		
FLA. PWR. CORP.	C.T. -A	(80.0)	0.0	(80.0)	5.395	5.395	(4,315.85)	(4,315.85)		
FLA. PWR. CORP.	C.T. -A	80.0	0.0	80.0	4.878	4.878	3,902.05	3,902.05		
1997/1998 TRANSM. ADJ. TO VARIOUS CUST.	SCH. -J						(23,466.69)	(23,466.69)		
PRIOR MONTHS TRANSM. ADJ. TO SEMINOLE	SCH. -G						(33.10)	(33.10)		
PRIOR MONTHS TRANSM. ADJ. TO LAKE LAND	SCH. -D							(1,864.01)		

SUB-TOTAL ECONOMY POWER SALES (INCL. ECON. TRANSM.)		30,127.0	0.0	30,127.0	1.890	2.363	569,469.95	711,931.24	113,969.03	
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.		34,240.0	0.0	34,240.0	1.574	1.820	538,873.56	623,037.28		
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		4,829.0	317.2	4,511.8	2.231	2.231	100,641.12	100,641.12		
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.		11,885.0	0.0	11,885.0	2.092	2.092	248,616.18	248,616.18		
SUB-TOTAL HARDEE PWR. PART. CONTRACT SALES-SEPAR.		28,828.0	0.0	28,828.0	2.338	2.985	673,889.14	860,590.50		
SUB-TOTAL OTHER SCHEDULE D POWER SALES		61,200.0	61,200.0	0.0	0.000	0.000		(1,864.01)		
SUB-TOTAL OTHER POWER SALES		0.0	0.0	0.0	0.000	0.000	(446.90)	(446.90)		

TOTAL INCLUDING VARIABLE O & M COSTS		171,109.0	61,517.2	109,591.8	1.945	2.320	2,131,043.05	2,542,505.41	113,969.03	
LESS VARIABLE O & M COSTS							(46,073.63)			
LESS VARIABLE O & M COSTS - HARDEE							(355.32)			
LESS TRANSMISSION COSTS SCHEDULE D (SEP)							(20,356.48)			

PLUS 80% OF ECON. ENERGY SALES PROFITS							64,129.03		(49,840.00)	
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		171,109.0	61,517.2	109,591.8	1.942	2.320	2,128,386.65	2,542,505.41	64,129.03	

CURRENT MONTH:										
DIFFERENCE		(13,475.0)	61,517.2	(74,992.2)	0.202	0.383	(1,083,553.35)	(1,032,194.59)	(228,910.97)	
DIFFERENCE %		(7.3)	0.0	(40.6)	11.6	19.8	(33.7)	(28.9)	(78.1)	

PERIOD TO DATE:										
ACTUAL		1,241,240.0	358,972.7	882,267.3	2.318	2.812	20,449,901.29	24,810,941.93	4,520,838.93	
ESTIMATED		1,221,166.0	0.0	1,221,166.0	1.783	2.014	21,770,340.00	24,588,500.00	2,214,640.00	
DIFFERENCE		20,074.0	358,972.7	(38,898.7)	0.535	0.798	(1,320,438.71)	222,441.93	2,306,198.93	
DIFFERENCE %		1.6	0.0	(27.8)	30.0	39.6	(6.1)	0.9	104.1	

* ONLY TEC 40% REFLECTED HERE. SEC 60% OR \$7,456.67 HAS BEEN EXCLUDED.
~~THE TOTAL ECONOMY TRANSMISSION DOLLARS FOR SEPTEMBER 1998 IS \$62,300.~~

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTHS OF APRIL, 1998 THRU SEPTEMBER, 1998

SCHEDULE A6
PAGE 1 OF 2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	cents/KWH (A) FUEL COST (B) TOTAL COST	TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
ESTIMATED:								
VARIOUS	ECON.	479,664.0	0.0	479,664.0	1.648	2.225	7,904,600.00	10,672,900.00
VARIOUS	JURISDICTIONAL SCH. -D	30,734.0	0.0	30,734.0	1.740	1.740	534,700.00	534,700.00
VARIOUS	SEPARATED SCH. -D	198,878.0	0.0	198,878.0	1.466	1.710	2,915,800.00	3,401,600.00
VARIOUS	CONTRACT	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE POWER PARTNERS	SEPARATED CONTRACT	109,746.0	0.0	109,746.0	2.348	3.156	2,576,300.00	3,463,400.00
LAKELAND/FMPA	SCH. -D	373,320.0	0.0	373,320.0	1.487	1.563	5,552,500.00	5,835,000.00
VARIOUS	JURISDICTIONAL SCH. -J	28,824.0	0.0	28,824.0	2.362	2.362	680,900.00	680,900.00
TOTAL INCLUDING VARIABLE O & M COSTS		1,221,166.0	0.0	1,221,166.0	1.651	2.014	20,164,800.00	24,588,500.00
LESS TRANSMISSION COSTS							0.00	
LESS VARIABLE O & M COSTS							(609,100.00)	
PLUS 80% OF ECON. ENERGY SALES PROFITS							2,214,640.00	
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		1,221,166.0	0.0	1,221,166.0	1.783	2.014	21,770,340.00	24,588,500.00
ACTUAL:								
FLA. PWR. CORP.	ECON.-C	47,384.0	0.0	47,384.0	1.991	2.901	943,241.74	1,374,740.31
FLA. PWR. & LIGHT	ECON.-C	61,966.0	0.0	61,966.0	1.650	1.965	1,022,424.21	1,217,829.01
CITY OF LAKELAND	ECON.-C	6,629.0	0.0	6,629.0	1.856	2.246	109,761.98	148,855.05
FT. PIERCE UTIL. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF GAINESVILLE	ECON.-C	2,311.0	0.0	2,311.0	1.684	2.552	38,920.27	58,983.93
CITY OF HOMESTEAD	ECON.-C	1,104.0	0.0	1,104.0	1.730	2.169	19,095.62	23,942.07
JACKSONVILLE ELEC. AUTH.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KISSIMMEE ELEC. UTIL.	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
LAKE WORTH UTILITIES	ECON.-C	1,773.0	0.0	1,773.0	1.821	3.108	32,284.56	55,107.78
CITY OF NEW SMYRNA BCH.	ECON.-C	238.0	0.0	238.0	2.171	4.640	5,166.93	11,042.90
ORLANDO UTIL. COMM.	ECON.-C	43,762.0	0.0	43,762.0	1.604	1.884	701,977.51	824,366.75
SEMINOLE ELECTRIC CO-OP	ECON.-C	17,865.0	0.0	17,865.0	1.701	2.176	303,897.79	388,701.09
CITY OF ST. CLOUD	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
TALLAHASSEE	ECON.-C	146.0	0.0	146.0	1.993	4.457	2,910.46	6,507.38
CITY OF VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
FMPA	ECON.-C	879.0	0.0	879.0	1.626	1.945	14,290.52	17,099.31
KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00
REEDY CREEK	ECON.-C	84,206.0	0.0	84,206.0	1.626	2.012	1,369,488.74	1,694,598.96
SONAT	ECON.-C	491.0	0.0	491.0	1.872	7.701	9,189.19	37,813.50
THE ENERGY AUTHORITY	ECON.-C	1,943.0	0.0	1,943.0	3.343	6.675	64,957.79	129,689.25
NP ENERGY INC.	ECON.-C	2,250.0	0.0	2,250.0	1.528	2.121	34,388.00	47,725.00
KOCH	ECON.-C	8,255.0	0.0	8,255.0	2.780	29.035	229,479.62	2,396,843.36
TENNESSEE VALLEY AUTHORITY	ECON.-C	9,196.0	0.0	9,196.0	3.129	24.719	287,786.96	2,273,167.24
FLA. PWR. & LIGHT	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
FMPA	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KISSIMMEE ELEC. UTIL.	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF NEW SMYRNA BCH.	SEPAR. SCH. -D	67,446.0	0.0	67,446.0	1.677	1.824	1,131,059.25	1,230,541.85
REEDY CREEK	SEPAR. SCH. -D	87,800.0	0.0	87,800.0	1.459	1.751	1,280,913.20	1,537,302.40
WAUCHULA	SEPAR. SCH. -D	21,960.0	0.0	21,960.0	1.459	1.751	320,364.00	384,488.40
FORT MEADE	SEPAR. SCH. -D	21,420.0	0.0	21,420.0	1.461	1.754	313,038.12	375,699.12
CITY OF ST. CLOUD	SEPAR. SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	0.00
HARDEE POWER PARTNERS	CONTRACT SCH. -D	252,047.0	0.0	252,047.0	2.037	2.673	5,133,985.24	6,737,955.48
SEMINOLE ELECTRIC CO-OP PRECO-1	JURISD. SCH. -D	26,854.0	2,401.7	24,452.3	1.946	1.946	475,809.11	475,809.11
SEMINOLE ELECTRIC CO-OP HARDEE	JURISD. SCH. -D	4,453.0	0.0	4,453.0	1.695	1.695	75,461.40	75,461.40
FLA. PWR. CORP.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(2,081.26)	(2,081.26)
FLA. PWR. & LIGHT	JURISD. SCH. -J	1,624.0	0.0	1,624.0	4.443	4.443	72,153.36	72,153.36
CITY OF HOMESTEAD	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
KEY WEST	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(39.53)	(39.53)
KISSIMMEE ELEC. UTIL.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF LAKELAND	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(895.85)	(895.85)
ORLANDO UTIL. COMM.	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(163.20)	(163.20)
REEDY CREEK	JURISD. SCH. -J	45,895.0	0.0	45,895.0	2.263	2.263	1,038,548.50	1,038,548.50
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00
CITY OF NEW SMYRNA BCH.	JURISD. SCH. -J	17,670.0	0.0	17,670.0	2.297	2.297	405,954.68	405,954.68
FLA. PWR. CORP.	C.T. -A	80.0	0.0	80.0	4.878	4.878	3,902.05	3,902.05

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POWER SOLD
TAMPA ELECTRIC COMPANY
FOR THE MONTHS OF APRIL, 1998 THRU SEPTEMBER, 1998

SCHEDULE A6
PAGE 2 OF 2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED OTHER SYSTEM	MWH FROM OWN GENERATION	---cents/KWH---		TOTAL \$ FOR FUEL ADJUSTMENT (5)X(6)(A)	TOTAL \$ FOR TOTAL COST (5)X(6)(B)	80% GAIN ON ECONOMY ENERGY SALES
					(A)	(B)			
WAUCHULA	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
CITY OF VERO BEACH	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(161.20)	(161.20)	
LAKE WORTH UTILITIES	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(66.95)	(66.95)	
OGLETHORPE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(100.98)	(100.98)	
CITY OF GAINESVILLE	JURISD. SCH. -J	0.0	0.0	0.0	0.000	0.000	(527.29)	(527.29)	
SEMINOLE ELECTRIC CO-OP	JURISD. SCH. -G	0.0	0.0	0.0	0.000	0.000	(33.10)	(33.10)	
FMPA	SCH. -D	373,235.0	356,571.0	16,664.0	1.776	1.753	296,016.79	292,154.68	
CITY OF LAKELAND	SCH. -D	0.0	0.0	0.0	0.000	0.000	0.00	(1,864.01)	
HARDEE PWR. PARTNERS TO FPC	ECON.-C	14,644.0	0.0	14,644.0	2.333	2.916	341,674.07	427,044.49	68,296.34 *
HARDEE PWR. PARTNERS TO FP&L	ECON.-C	5,293.0	0.0	5,293.0	3.140	3.669	166,175.01	194,194.38	22,415.51 *
HARDEE PWR. PARTNERS TO REEDY CREEK	ECON.-C	924.0	0.0	924.0	1.985	2.333	18,343.16	21,558.26	2,572.08 *
HARDEE PWR. PARTNERS TO GAINESVILLE	ECON.-C	569.0	0.0	569.0	2.081	2.584	11,839.41	14,703.63	2,291.38 *
HARDEE PWR. PARTNERS TO JACKSONVILLE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO KISSIMMEE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO NEW SMYRNA BCH	ECON.-C	69.0	0.0	69.0	2.467	3.537	1,702.10	2,440.67	590.85 *
HARDEE PWR. PARTNERS TO ORLANDO	ECON.-C	1,091.0	0.0	1,091.0	2.222	2.489	24,242.96	27,157.68	2,331.77 *
HARDEE PWR. PARTNERS TO STARKE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO FMPA	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	40.24	32.19 *
HARDEE PWR. PARTNERS TO HOMESTEAD	ECON.-C	66.0	0.0	66.0	1.829	2.174	1,207.11	1,434.66	182.04 *
HARDEE PWR. PARTNERS TO SEMINOLE	ECON.-C	3,279.0	0.0	3,279.0	2.860	3.223	93,778.26	105,670.25	9,513.59 *
HARDEE PWR. PARTNERS TO FT. PIERCE	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO TALLAHASSEE	ECON.-C	76.0	0.0	76.0	1.942	2.585	1,476.20	1,964.23	390.42 *
HARDEE PWR. PARTNERS TO LAKELAND	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO LAKE WORTH	ECON.-C	391.0	0.0	391.0	2.233	3.022	8,730.97	11,814.50	2,466.83 *
HARDEE PWR. PARTNERS TO KEY WEST	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO VERO BEACH	ECON.-C	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00 *
HARDEE PWR. PARTNERS TO THE ENGY. AUTH.	ECON.-C	44.0	0.0	44.0	2.465	3.357	1,084.60	1,477.13	314.02 *
HARDEE PWR. PARTNERS TO KOCH	ECON.-C	1,982.0	0.0	1,982.0	4.479	24.463	88,768.02	484,853.21	316,868.15 *
HARDEE PWR. PARTNERS TO TENNESSEE VALLEY	ECON.-C	1,208.0	0.0	1,208.0	3.812	12.943	46,043.36	156,349.48	88,244.89 *
HARDEE PWR. PARTNERS TO SONAT	ECON.-C	594.0	0.0	594.0	3.612	4.178	21,457.56	24,817.66	2,688.08 *
HARDEE PWR. PARTNERS TO SEMINOLE	SCH. -G	75.0	0.0	75.0	3.879	3.879	2,909.27	2,909.27	
HARDEE PWR. PARTNERS TO FP&L	SCH. -J	53.0	0.0	53.0	2.758	2.758	1,461.64	1,461.64	
SUB-TOTAL ECONOMY POWER SALES (ENGY. ECON. & TRANSM.)		320,628.0	0.0	320,628.0	1.876	3.800	6,015,784.68	12,182,533.36	4,933,398.93
SUB-TOTAL SCHEDULE D POWER SALES-SEPAR.		198,626.0	0.0	198,626.0	1.533	1.776	3,045,374.57	3,528,031.77	
SUB-TOTAL SCHEDULE D POWER SALES-JURISD.		31,307.0	2,401.7	28,905.3	1.907	1.907	551,270.51	551,270.51	
SUB-TOTAL SCHEDULE J POWER SALES-JURISD.		65,242.0	0.0	65,242.0	2.321	2.321	1,514,081.92	1,514,081.92	
SUB-TOTAL SCHEDULE G POWER SALES-JURISD.		75.0	0.0	75.0	3.835	3.835	2,876.17	2,876.17	
SUB-TOTAL HARDEE POWER PART.CONTRACT SALES-SEPAR.		252,047.0	0.0	252,047.0	2.037	2.673	5,133,985.24	6,737,955.48	
SUB-TOTAL OTHER POWER SALES		373,315.0	356,571.0	16,744.0	1.791	1.757	299,918.84	294,192.72	
TOTAL INCLUDING VARIABLE O & M COSTS		1,241,240.0	358,972.7	882,267.3	1.877	2.812	16,563,291.93	24,810,941.93	4,933,398.93
LESS VARIABLE O & M COSTS							(484,964.66)		
LESS VARIABLE O & M COSTS - HARDEE							(3,449.43)		
LESS TRANSMISSION COSTS SCH.-D (SEP.)							(113,955.52)		
LESS TRANSMISSION COSTS SCH.-D (OTHER)							(31,859.96)		
LESS 80% ECON. & TRANSM. INCLUDED IN TOTAL PROFIT								(412,560.00)	
PLUS 80% OF ECON. ENERGY SALES PROFITS							4,520,838.93		
TOTAL EXCL. VARIABLE O & M COSTS AND INCL. 80% OF ECON. ENERGY SALES PROFITS		1,241,240.0	358,972.7	882,267.3	2.318	2.812	20,449,901.29	24,810,941.93	4,520,838.93
DIFFERENCE		20,074.0	358,972.7	(338,898.7)	0.535	0.798	(1,320,438.71)	222,441.93	2,306,198.93
DIFFERENCE %		1.6	0.0	(27.8)	30.0	39.6	(6.1)	0.9	104.1

* ONLY TEC 40% REFLECTED HERE. SEC 60% OR \$14,666.43 HAS BEEN EXCLUDED.
 ** TOTAL ECONOMY TRANSMISSION DOLLARS FOR APR.-SEPT. 1998 IS \$515,700.

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**FUEL AND PURCHASED POWER
 COST RECOVERY CLAUSE CALCULATION
 TAMPA ELECTRIC COMPANY
 ESTIMATED FOR THE PERIOD OF: APRIL 1998 THRU SEPTEMBER 1998**

	DOLLARS	MWH	cents/KWH
1. Fuel Cost of System Net Generation (E3)	208,814,406	9,808,202	2.12898
2. Nuclear Fuel Disposal Cost	0	0	0.00000
3. Coal Car Investment	0	0	0.00000
4. Adjustments to Fuel Cost (Ft. Meade / Wauchula Wheeling)	(21,000)	9,808,202	(0.00021)
4a. Adjustments to Fuel Cost	0	0	0.00000
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4a)	208,793,406	9,808,202	2.12876
6. Fuel Cost of Purchased Power - System (Exclusive of Economy)(E7)	10,422,500	336,033	3.10163
7. Energy Cost of Sch C,X Economy Purchases (Broker) (E9)	1,441,500	33,264	4.33351
8. Energy Cost of Economy Purchases (Non-Broker) (E9)	0	0	0.00000
9. Energy Cost of Sch. E Economy Purchases (E9)	0	0	0.00000
10. Capacity Cost of Sch. E Economy Purchases (E2)	0	0	0.00000
11. Energy Payments to Qualifying Facilities (E8)	5,457,200	237,749	2.29536
12. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 11)	17,321,200	607,046	2.85336
13. TOTAL AVAILABLE KWH (LINE 5 + LINE 12)		10,415,248	
14. Fuel Cost of Economy Sales (E6)	7,295,500	479,664	1.52096
15. Gain on Economy Sales - 80% (E6) EXCL. TRANS.	2,214,640	479,664	0.46171
16. Fuel Cost of Schedule D Sales - Jurisd. (E6)	534,700	30,734	1.73977
16a. Fuel Cost of Schedule D Sales - Separated (E6)	2,915,800	198,878	1.46612
16b. Fuel Cost of Schedule D HPP Sales - Contract (E6)	2,576,300	109,746	2.34751
16c. Fuel Cost of Schedule J Sales - Jurisd. (E6)	680,900	28,824	2.36227
17. Fuel Cost of Other D Power Sales	5,552,500	373,320	1.48733
18. TOTAL FUEL COST AND GAINS OF POWER SALES	21,770,340	1,221,166	1.78275
19. Net Inadvertant Interchange		0	
19a. Wheeling Rec'd. less Wheeling Delv'd.		0	
19b. Interchange and Wheeling Losses		18,600	
20. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5 + 12 + 18 + 19)	204,344,266	9,175,482	2.22707
21. Net Unbilled	3,965,031	178,038	0.04321
22. Company Use	507,772	22,800	0.00595
23. T & D Losses	9,967,944	447,581	0.11690
24. System MWH Sales	204,344,266	8,527,063	2.39642
25. Wholesale MWH Sales	(2,273,623)	(94,549)	2.40470
25a. Jurisdictional Transmission	0		
26. Jurisdictional MWH Sales	202,070,643	8,432,514	2.39633
26a. Jurisdictional Loss Multiplier			1.00013
27. Jurisdictional MWH Sales Adjusted for Line Loss	202,096,912	8,432,514	2.39664
28. True-up **	(4,373,121)	8,432,514	(0.05186)
29. Peabody Coal Contract Buy-Out Amort. (Jurisdictionalized)	2,509,595	8,432,514	0.02976
30. Fuel Credit Differential	(2,938,153)	8,432,514	(0.03484)
31. Total Jurisdictional Fuel Cost (Excl. GPIF)	197,295,233	8,432,514	2.33970
32. Revenue Tax Factor			1.00083
33. Fuel Factor (Excl. GPIF) Adjusted for Taxes	197,458,988	8,432,514	2.34164
34. GPIF ** (Already Adjusted for Taxes)	(363,850)	8,432,514	(0.00431)
35. Fuel Factor Adjusted for Taxes Including GPIF	197,095,138	8,432,514	2.33733
36. Fuel Factor Rounded to Nearest .001 cents per KWH			2.337

* For Informational Purposes Only

CALCULATION OF ESTIMATED TRUE-UP
(2 MONTHS ACTUAL, 4 MONTHS ESTIMATED)
TAMPA ELECTRIC COMPANY
FOR THE PERIOD OF: OCTOBER 1997 THRU MARCH 1998

	ACTUAL		ESTIMATED				TOTAL PERIOD
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	
A 1. FUEL COST OF SYSTEM NET GENERATION	30,720,965	29,985,481	28,227,389	33,421,028	27,347,757	29,210,128	178,912,748
2. FUEL COST OF POWER SOLD *	4,559,181	6,107,143	3,545,820	6,340,900	4,091,300	3,899,040	28,543,384
3. FUEL COST OF PURCHASED POWER	1,597,832	409,518	728,900	1,256,700	1,060,800	758,400	5,812,150
3a. DEMAND & NON-FUEL COST OF PUR. PWR.	0	0	0	0	0	0	0
3b. ENERGY PAYMENTS TO QUALIFIED FACILITIES	627,610	532,270	628,100	310,000	708,300	690,500	3,496,780
4. ENERGY COST OF ECONOMY PURCHASES	98,690	32,265	26,900	16,800	32,000	62,700	269,355
5. ADJUSTMENTS TO FUEL COST (FT. MEADE / WAUCHULA WHEELING)	(3,521)	(2,573)	(3,500)	(3,500)	(3,500)	(3,500)	(20,094)
5a. ADJUSTMENTS TO FUEL COST	0	0	0	0	0	0	0
6. TOTAL FUEL & NET POWER TRANSACTION (Sum of Lines A1 Through A5a)	28,482,395	24,849,818	26,061,969	28,660,128	25,054,057	26,819,188	159,927,555
*INCLUDES ECONOMY SALES PROFITS (80%)							
B 1. JURISDICTIONAL MWH SALES	1,323,633	1,107,991	1,144,352	1,232,094	1,145,793	1,104,945	7,058,809
2. NON-JURISDICTIONAL MWH SALES	12,130	9,044	1,994	3,070	2,276	1,973	30,492
3. TOTAL SALES (Lines B1 + B2)	1,335,763	1,117,035	1,146,346	1,235,164	1,148,069	1,106,923	7,089,301
4. JURISDIC. % OF TOTAL SALES (Line B1/B3)	0.9909190	0.9919036	0.9982606	0.9975145	0.9980175	0.9982131	-
C 1. JURISDICTIONAL FUEL RECOVERY REVENUE (Net of Revenue Taxes)	30,482,950	25,453,995	26,327,148	28,367,455	26,374,109	25,421,900	162,427,557
1a. ADJUSTMENTS TO FUEL REVENUE	0	0	0	0	0	0	0
2. TRUE-UP PROVISION	1,122,779	1,122,779	1,122,779	1,122,779	1,122,779	1,122,779	6,736,674
2a. INCENTIVE PROVISION	(16,097)	(16,097)	(16,097)	(16,097)	(16,097)	(16,094)	(96,579)
2b. OTHER	0	0	0	0	0	0	0
3. FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2b)	31,589,632	26,560,677	27,433,830	29,474,137	27,480,791	26,528,585	169,067,652
4. TOTAL FUEL & NET PWR. TRANS. (Line A6)	28,482,395	24,849,818	26,061,969	28,660,128	25,054,057	26,819,188	159,927,555
4a. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (Line A6 x Line B4)	28,223,747	24,648,623	26,016,637	28,588,893	25,004,387	26,771,265	159,253,552
4b. 80% ECONOMY TRANSMISSION REVENUES	0	0	0	0	0	0	0
4c. TRANSMISSION SEPARATION FACTOR	0.889	0.889	0.889	0.889	0.889	0.889	0.889
4d. JURIS. ECONOMY TRANSMISSION REV.	0	0	0	0	0	0	0
5. JURISDIC. TOTAL FUEL & NET PWR. TRANS. (INCL. ECON. TRANSMISSION REV.)	28,223,747	24,648,623	26,016,637	28,588,893	25,004,387	26,771,265	159,253,552
5a. JURISDIC. LOSS MULTIPLIER	1.00013	1.00013	1.00013	1.00013	1.00013	1.00013	-
5b. LINE 5 X LINE 5a	28,227,416	24,651,827	26,020,019	28,592,610	25,007,638	26,774,745	159,274,255
5c. PEABODY COAL CONTRACT BUY-OUT AMORT.	444,301	441,770	439,240	436,709	434,178	431,647	2,627,845
5d. PEABODY JURISDICTIONALIZED (LINE 5c X LINE B4)	440,266	438,193	438,476	435,624	433,317	430,876	2,616,752
5e. FUEL CREDIT DIFFERENTIAL	(64,574)	(272,593)	251,220	(19,701)	(374,957)	(191,130)	(671,735)
5f. REVENUE REFUND TRUE-UP ADJUSTMENT	(329,229)	0	0	0	0	0	(329,229)
5g. TRANSMISSION ADJ. (JAN.-NOV. 1997)	0	0	(2,011,564)	0	0	0	(2,011,564)
5h. OIL BELOW THE DISCHARGE VALVE	0	0	(41,159)	0	0	0	(41,159)
5i. ADJ. TO INCLUDE INTEREST ON FUEL CREDIT DIFFERENTIAL FILED IN SEPT. 1997 (\$2,920,793)	0	0	(59,110)	0	0	0	(59,110)
6. JURISDIC. TOTAL FUEL & NET PWR. TRANS. INCL. PEABODY, FUEL CREDIT, ADJ.	28,273,879	24,817,427	24,597,882	29,008,533	25,065,998	27,014,491	158,778,210
7. OVER/(UNDER) RECOVERY	3,315,753	1,743,250	765,274	465,604	2,414,793	(485,906)	10,289,442
8. INTEREST PROVISION	8,255	14,810	26,137	24,707	26,418	25,759	126,086
9. TOTAL ESTIMATED TRUE-UP FOR THE PERIOD							10,415,528

COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL AND PURCHASED POWER COST RECOVERY FACTOR
TAMPA ELECTRIC COMPANY
FOR THE PERIOD OF: OCT., 1997 THRU MAR., 1998

SCHEDULE E-1B-1
REVISED 2/6/98

	DOLLARS				MWH				cents/KWH			
	ESTIMATED/ ACTUAL	ESTIMATED ORIGINAL	DIFFERENCE		ESTIMATED/ ACTUAL	ESTIMATED ORIGINAL	DIFFERENCE		ESTIMATED ACTUAL	ESTIMATED ORIGINAL	DIFFERENCE	
			AMOUNT	%			AMOUNT	%			AMOUNT	%
1. Fuel Cost of System Net Generation (E3)	178,912,748	188,829,229	(9,934,481)	(5.3)	8,361,658	8,835,679	(474,021)	(5.4)	2.13068	2.13733	(0.00235)	(0.1)
2. Spent Nuclear Fuel Disposal Cost	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
3. Coal Car Investment	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
4. Adjustments to Fuel Cost (Fl. Meade/Wauch, Wheeling)	(20,094)	(11,400)	(2,094)	11.6	8,361,658	8,835,679	(474,021)	(5.4)	(0.00024)	(0.00020)	(0.00004)	20.0
4a. Adjustments to Fuel Cost	0	0	0	0.0	8,361,658	8,835,679	(474,021)	(5.4)	0.00000	0.00000	0.00000	0.0
5. TOTAL COST OF GENERATED POWER	178,892,654	188,829,229	(9,936,575)	(5.3)	8,361,658	8,835,679	(474,021)	(5.4)	2.13044	2.13712	(0.00232)	0.1
6. Fuel Cost of Purchased Power - (Exclusive of Econ) (E7)	5,812,150	3,605,200	2,207,950	61.0	132,798	111,811	20,887	18.7	4.37670	3.22506	1.15164	35.7
7. Energy Cost of Sch. C,X Economy Purchases (Broker) (E8)	269,355	247,700	26,655	11.0	7,146	5,658	1,488	26.3	3.76931	4.28950	(0.52019)	(12.1)
8. Energy Cost of Other Econ Purch (Non-Broker) (E8)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
9. Energy Cost of Sch. E Econ Purchases (E9)	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
10. Capacity Cost of Sch. E Economy Purchases	0	0	0	0.0	0	0	0	0.0	0.00000	0.00000	0.00000	0.0
11. Energy Payments to Qualifying Facilities (E9)	3,496,780	3,837,309	(335,520)	(8.8)	213,690	235,039	(21,349)	(9.1)	1.63638	1.63050	0.00588	0.4
12. TOTAL COST OF PURCHASED POWER	9,578,285	7,684,200	1,894,085	24.6	353,634	352,608	1,026	0.3	2.70853	2.17625	0.52928	24.3
13. TOTAL AVAILABLE MWH (LINE 5 + LINE 12)					8,715,292	9,188,287	(472,996)	(5.1)				
14. Fuel Cost of Economy Sales (E6)	15,529,464	18,560,000	(3,430,536)	(18.1)	1,073,728	1,243,020	(169,292)	(13.6)	1.44631	1.52532	(0.07901)	(5.2)
15. Gain on Economy Sales - 80% (E6) EXCL. TRANS.	4,070,505	2,474,580	1,595,925	64.5	1,073,728	1,243,020	(169,292)	(13.6)	0.37910	0.19910	0.18000	90.4
16. Fuel Cost of Schedule D Sales - Jurisd. (E6)	456,486	511,500	(55,014)	(10.8)	31,353	33,793	(2,440)	(7.2)	1.45597	1.51363	(0.05766)	(3.8)
16a. Fuel Cost of Schedule D Sales - Separated (E6)	2,848,206	2,822,000	25,606	0.9	199,198	198,633	565	4.5	1.42984	1.40065	(0.02919)	(3.4)
16b. Fuel Cost of Schedule D HPP Sales - Contract (E6)	1,254,714	514,800	739,914	143.7	60,244	23,452	36,792	156.9	2.08272	2.19512	(0.11240)	(5.1)
16c. Fuel Cost of Schedule J Sales - Jurisd. (E6)	939,249	159,700	779,549	488.1	48,746	8,454	39,292	415.6	1.92682	1.68923	0.23759	14.1
17. Fuel Cost of Other D Power Sales (E6)	4,146,138	4,054,600	(808,462)	(18.3)	291,121	293,569	(2,448)	(4.4)	1.47486	1.68547	(0.21061)	(12.5)
17a. Fuel Cost of Other Contract Sales (E6)	1,205	0.000	(1,205)	(86.5)	60	7,209	(7,149)	(99.2)	2.00833	0.12346	1.88487	1,526.7
17b. Transmission Cost for Various Sales (E6)	(702,583)	(2,526,200)	1,823,617	(26.1)								
18. TOTAL FUEL COST AND GAINS ON POWER SALES (LINES 14 thru 17b)	28,543,384	27,880,780	662,604	2.4	1,694,450	1,801,520	(107,070)	(5.9)	1.68452	1.54763	0.13689	8.8
19. Net Inadvertant Interchange					(593)	0	(593)	0.0				
19a. Wheeling Rec'd, Less Wheeling Delv'd.					(10,538)	0	(10,538)	0.0				
19b. Interchange and Wheeling Losses					25,477	26,800	(1,323)	(4.9)				
20. TOTAL FUEL AND NET POWER TRANSACTIONS (LINES 5 + 12 + 18 + 19 + 19a + 19b)	159,927,555	168,632,649	(8,705,094)	(5.2)	6,984,234	7,359,967	(375,733)	(5.1)	2.28984	2.29121	(0.00137)	(0.1)
21. Net Unbilled	(4,780,820)	(4,110,893)	(670,137)	18.3	(208,784)	(178,411)	(29,373)	16.4	(0.08845)	(0.05585)	(0.01260)	22.6
22. Company Use	459,708	434,413	25,295	5.8	20,076	18,560	1,516	5.9	0.00648	0.00608	0.00040	6.6
23. T & D Losses	1,815,237	8,471,612	(6,656,375)	(77.4)	83,641	369,744	(286,103)	(77.4)	0.02702	0.11847	(0.09145)	(77.2)
24. System KWH Sales	159,927,555	168,632,649	(8,705,094)	(5.2)	7,089,301	7,150,674	(61,373)	(0.9)	2.25590	2.35828	(0.10238)	(4.3)
25. Wholesale KWH Sales	(674,003)	(377,781)	(296,222)	78.4	(30,492)	(16,064)	(14,428)	89.6	2.21043	2.35172	(0.14129)	(6.0)
25a. Jurisdictional Transmission	0	0	0	0.0								
26. Jurisdictional KWH Sales	159,253,552	168,254,868	(9,001,316)	(5.3)	7,058,809	7,134,610	(75,801)	(1.1)	2.25610	2.35829	(0.10219)	(4.3)
26a. Jurisdictional Loss Multiplier									1.00013	1.00013	0.00000	0.0
27. Jurisdictional KWH Sales Adjusted for Line Losses	159,274,255	168,276,741	(9,002,486)	(5.3)	7,058,809	7,134,610	(75,801)	(1.1)	2.25639	2.35860	(0.10221)	(4.3)
28. True-up **	(894,267)	(6,736,674)	6,042,407	(89.7)	7,058,809	7,134,610	(75,801)	(1.1)	(0.00984)	(0.09442)	0.08458	(89.6)
29a. Peabody Coal Contract Buy-out Amort. (Jurisd.)	2,616,752	2,621,992	(5,240)	(0.2)	7,058,809	7,134,610	(75,801)	(1.1)	0.03707	0.03675	0.00032	0.9
29b. Fuel Credit Differential	(671,735)	0	(671,735)	0.0	7,058,809	7,134,610	(75,801)	(1.1)	(0.00952)	0.00000	(0.00952)	0.0
29c. Revenue Refund True-Up Adjustment	(329,229)	0	(329,229)	0.0	7,058,809	7,134,610	(75,801)	(1.1)	(0.00468)	0.00000	(0.00468)	0.0
29d. Transmission Adj. (Jan.-Nov. 1997)	(2,011,564)	0	(2,011,564)	0.0	7,058,809	7,134,610	(75,801)	(1.1)	(0.02850)	0.00000	(0.02850)	0.0
29e. Oil Below the Discharge Valve	(41,159)	0	(41,159)	0.0	7,058,809	7,134,610	(75,801)	(1.1)	(0.00058)	0.00000	(0.00058)	0.0
29f. Adj. to Include Interest on Fuel Credit Diff. Filed in Sept. 1997 (\$2,920,783)	(59,110)	0	(59,110)	0.0	7,058,809	7,134,610	(75,801)	(1.1)	(0.00084)	0.00000	(0.00084)	0.0
30. Total Jurisdictional Fuel Cost (Excl. GPIF)	158,083,943	164,162,059	(6,078,116)	(3.7)	7,058,809	7,134,610	(75,801)	(1.1)	2.23653	2.30093	(0.06140)	(2.7)
31. Revenue Tax Factor									1.00003	1.00003	0.00000	0.0
32. Fuel Factor (Excl. GPIF) Adjusted for Taxes	158,215,153	164,298,314	(6,083,161)	(3.7)	7,058,809	7,134,610	(75,801)	(1.1)	2.24139	2.30284	(0.06145)	(2.7)
33. GPIF ** ((\$383,547) - Not Adjusted for Taxes)	(363,850)	96,060	(460,510)	(476.4)	7,058,809	7,134,610	(75,801)	(1.1)	(0.00515)	0.00135	(0.00650)	(481.5)
34. Fuel Factor Adjusted for Taxes Including GPIF	157,851,303	164,394,974	(6,543,671)	(4.0)	7,058,809	7,134,610	(75,801)	(1.1)	2.23624	2.30419	(0.06795)	(2.9)
35. Fuel Factor Rounded to Nearest .001 cents per KWH									2.236	2.304	(0.06800)	(3.0)

* Included For Informational Purposes Only
** Calculation Based on Jurisdictional KWH Sales

Note: Amounts included in Estimated/Actual column represent two months actual and four months revised estimates. Amounts included in the Estimated Original column represent amounts projected in previous fuel adjustment period.

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FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
TAMPA ELECTRIC COMPANY
FOR THE PERIOD OF: APRIL 1998 THRU SEPTEMBER 1998

LINE NUMBER		(a)	(b)	(c)	(d)	(e)	(f)	LINE NUMBER	
		Apr-98	May-98	Jun-98	ESTIMATED Jul-98	Aug-98	Sep-98		TOTAL PERIOD
1	FUEL COST OF SYSTEM NET GENERATION	29,909,035	33,302,458	35,887,741	37,149,056	37,886,896	34,679,220	208,814,406	1
1a	NUCLEAR FUEL DISPOSAL	0	0	0	0	0	0	0	1a
2	FUEL COST OF POWER SOLD *	4,040,220	3,202,420	3,964,800	3,679,780	3,671,180	3,211,940	21,770,340	2
3	FUEL COST OF PURCHASED POWER	511,800	1,949,700	2,099,300	2,229,300	2,197,000	1,435,400	10,422,500	3
3a	DEMAND & NON FUEL COST OF PUR POWER	0	0	0	0	0	0	0	3a
3b	QUALIFYING FACILITIES	899,600	919,600	832,100	977,100	980,200	848,600	5,457,200	3b
4	ENERGY COST OF ECONOMY PURCHASES	80,700	206,300	203,400	359,500	279,200	312,400	1,441,500	4
4a	ADJUSTMENTS TO FUEL COSTS (FT. MEADE / WAUCHULA WHEELING)	(3,500)	(3,500)	(3,500)	(3,500)	(3,500)	(3,500)	(21,000)	4a
4b	ADJUSTMENTS TO FUEL COSTS	0	0	0	0	0	0	0	4b
5	TOTAL FUEL & NET POWER TRANSACTION (SUM OF LINES 1 THRU 4b)	27,357,415	33,172,138	35,054,241	37,031,676	37,608,616	34,060,180	204,344,266	5
6	JURISDICTIONAL KWH SOLD (MWH)	1,156,538	1,290,315	1,454,088	1,515,374	1,495,048	1,521,153	8,432,514	6
6a	JURISDICTIONAL % OF TOTAL SALES	0.9970851	0.9905377	0.9880510	0.9846881	0.9854858	0.9898011	-	6a
6b	JURISDIC. TOT. FUEL & NET PWR. TRANS. EXCL. ECON. TRANS. (LINE 5 X LINE 6a)	27,277,671	32,858,253	34,635,378	36,464,651	37,121,886	33,712,804	202,070,643	6b
6c	80% ECONOMY TRANSMISSION REVENUES	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	0	6c
6d	TRANSMISSION SEPARATION FACTOR	0.889	0.889	0.889	0.889	0.889	0.889	0.889	6d
6e	JURIS. ECONOMY TRANSMISSION REVENUES	0	0	0	0	0	0	0	6e
6f	JURISDIC. TOT. FUEL & NET PWR. TRANS. INCL. ECON. TRANS.	27,277,671	32,858,253	34,635,378	36,464,651	37,121,886	33,712,804	202,070,643	6f
7	JURISDICTIONAL LOSS MULTIPLIER	1.00013	1.00013	1.00013	1.00013	1.00013	1.00013	-	7
7a	LINE 6f x LINE 7	27,281,217	32,862,525	34,639,881	36,469,391	37,126,712	33,717,187	202,096,913	7a
7b	PEABODY COAL CONTRACT BUY-OUT AMORT.	429,116	426,585	424,054	421,523	418,992	416,461	2,536,731	7b
7c	PEABODY JURISDICTIONALIZED (LINE 7b x LINE 6a)	427,865	422,549	418,987	415,069	412,911	412,214	2,509,595	7c
7d	FUEL CREDIT DIFFERENTIAL	(517,734)	(514,746)	(470,500)	(527,637)	(533,544)	(373,992)	(2,938,153)	7d
8	JURISDIC. TOT. FUEL & NET PWR. TRANS. INCL. PEABODY AND FUEL CREDIT (LINE 7a + 7c + 7d)	27,191,348	32,770,328	34,588,368	36,356,823	37,006,079	33,755,409	201,668,355	8
9	COST PER KWH SOLD (cents/KWH)	2.3511	2.5397	2.3787	2.3992	2.4752	2.2191	2.3916	9
10	TRUE UP ** (cents/KWH)	(0.0519)	(0.0519)	(0.0519)	(0.0519)	(0.0519)	(0.0519)	(0.0519)	10
11	TOTAL (LINES 9+10)(cents/KWH)	2.2992	2.4878	2.3268	2.3473	2.4233	2.1672	2.3397	11
12	REVENUE TAX FACTOR	1.00083	1.00083	1.00083	1.00083	1.00083	1.00083	1.00083	12
13	RECOVERY FAC. ADJ. FOR TAXES (c/KWH) (EXCL. GPIF)	2.3011	2.4899	2.3287	2.3492	2.4253	2.1690	2.3416	13
14	GPIF ** (cents/KWH) (ALREADY ADJUSTED FOR TAXES)	(0.0043)	(0.0043)	(0.0043)	(0.0043)	(0.0043)	(0.0043)	(0.0043)	14
15	TOTAL RECOVERY FACTOR (LINES 13+14)	2.2968	2.4856	2.3244	2.3449	2.4210	2.1647	2.3373	15
16	RECOVERY FACTOR ROUNDED TO NEAREST .001 cents/KWH	2.297	2.486	2.324	2.345	2.421	2.165	2.337	16

* INCLUDES ECONOMY SALES PROFITS (80%)

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POWER SOLD
TAMPA ELECTRIC COMPANY
ESTIMATED FOR THE PERIOD OF: APRIL 1988 THRU SEPTEMBER 1988

(1) MONTH	(2) SOLD TO	(3) TYPE & SCHEDULE	(4) TOTAL MWH SOLD	(5) MWH WHEELED FROM OTHER SYSTEMS	(6) MWH FROM OWN GENERATION	(7) cents/KWH		(8) TOTAL \$ FOR FUEL ADJUSTMENT (6)(X)(7A)	(9) TOTAL COST \$ (6)(X)(7B)	(10) 80% GAIN ON ECONOMY ENERGY SALES	
						(A) FUEL COST	(B) TOTAL COST				
Apr-88	VARIOUS	(INCL. TRANS.)	ECON.	103,172.0	0.0	103,172.0	1.669	2.193	1,721,800.00	2,262,700.00	432,720.00
	VARIOUS	JURISD.	SCH. -D	3,554.0	0.0	3,554.0	1.609	1.609	57,200.00	57,200.00	
	VARIOUS	SEPARATED	SCH. -D	29,440.0	0.0	29,440.0	1.441	1.623	424,100.00	437,000.00	
	HPP	SEPARATED	CONTRACT	22,231.0	0.0	22,231.0	2.236	3.384	508,100.00	537,800.00	
	VARIOUS	SCH. -D	SCH. -D	61,200.0	0.0	61,200.0	1.487	1.563	897,000.00	956,600.00	
	VARIOUS	JURISD.	SCH. -J	5,400.0	0.0	5,400.0	2.402	2.402	129,700.00	129,700.00	
									XXXXXX (107,000.00)		
TOTAL			224,997.0	0.0	224,997.0	1.796	2.041	4,040,220.00	4,551,000.00		
May-88	VARIOUS	(INCL. TRANS.)	ECON.	70,187.0	0.0	70,187.0	1.700	2.253	1,193,200.00	1,622,600.00	327,520.00
	VARIOUS	JURISD.	SCH. -D	3,883.0	0.0	3,883.0	1.666	1.666	64,700.00	64,700.00	
	VARIOUS	SEPARATED	SCH. -D	30,800.0	0.0	30,800.0	1.458	1.710	448,200.00	526,800.00	
	HPP	SEPARATED	CONTRACT	14,215.0	0.0	14,215.0	2.310	3.118	328,300.00	443,200.00	
	VARIOUS	SCH. -D	SCH. -D	63,240.0	0.0	63,240.0	1.468	1.553	926,600.00	958,400.00	
	VARIOUS	JURISD.	SCH. -J	0.0	0.0	0.0	0.000	0.000	0.00	0.00	
									XXXXXX (88,000.00)		
TOTAL			182,325.0	0.0	182,325.0	1.756	1.959	3,202,420.00	3,625,700.00		
Jun-88	VARIOUS	(INCL. TRANS.)	ECON.	90,584.0	0.0	90,584.0	1.670	2.343	1,512,700.00	2,122,700.00	488,000.00
	VARIOUS	JURISD.	SCH. -D	5,920.0	0.0	5,920.0	1.745	1.745	103,300.00	103,300.00	
	VARIOUS	SEPARATED	SCH. -D	34,091.0	0.0	34,091.0	1.469	1.710	500,500.00	583,100.00	
	HPP	SEPARATED	CONTRACT	18,201.0	0.0	18,201.0	2.345	3.154	426,900.00	574,000.00	
	VARIOUS	SCH. -D	SCH. -D	61,200.0	0.0	61,200.0	1.491	1.563	912,500.00	956,600.00	
	VARIOUS	JURISD.	SCH. -J	5,760.0	0.0	5,760.0	2.352	2.352	135,500.00	135,500.00	
									XXXXXX (118,000.00)		
TOTAL			215,756.0	0.0	215,756.0	1.838	2.074	3,964,800.00	4,475,200.00		
Jul-88	VARIOUS	(INCL. TRANS.)	ECON.	73,058.0	0.0	73,058.0	1.562	2.133	1,141,200.00	1,560,800.00	335,680.00
	VARIOUS	JURISD.	SCH. -D	5,756.0	0.0	5,756.0	1.800	1.800	103,600.00	103,600.00	
	VARIOUS	SEPARATED	SCH. -D	35,228.0	0.0	35,228.0	1.478	1.720	520,500.00	606,000.00	
	HPP	SEPARATED	CONTRACT	24,431.0	0.0	24,431.0	2.376	3.154	568,500.00	778,000.00	
	VARIOUS	SCH. -D	SCH. -D	63,240.0	0.0	63,240.0	1.504	1.563	951,000.00	988,400.00	
	VARIOUS	JURISD.	SCH. -J	5,952.0	0.0	5,952.0	2.354	2.354	140,100.00	140,100.00	
									XXXXXX (62,000.00)		
TOTAL			207,665.0	0.0	207,665.0	1.772	2.011	3,679,780.00	4,176,900.00		
Aug-88	VARIOUS	(INCL. TRANS.)	ECON.	74,344.0	0.0	74,344.0	1.618	2.153	1,202,600.00	1,624,700.00	337,680.00
	VARIOUS	JURISD.	SCH. -D	5,840.0	0.0	5,840.0	1.836	1.836	107,200.00	107,200.00	
	VARIOUS	SEPARATED	SCH. -D	35,228.0	0.0	35,228.0	1.477	1.720	520,300.00	606,800.00	
	HPP	SEPARATED	CONTRACT	21,235.0	0.0	21,235.0	2.389	3.157	507,200.00	678,800.00	
	VARIOUS	SCH. -D	SCH. -D	63,240.0	0.0	63,240.0	1.503	1.563	950,500.00	988,400.00	
	VARIOUS	JURISD.	SCH. -J	5,952.0	0.0	5,952.0	2.354	2.354	140,100.00	140,100.00	
									XXXXXX (64,000.00)		
TOTAL			205,839.0	0.0	205,839.0	1.784	2.014	3,671,180.00	4,145,000.00		
Sep-88	VARIOUS	(INCL. TRANS.)	ECON.	68,319.0	0.0	68,319.0	1.659	2.153	1,133,100.00	1,499,400.00	293,040.00
	VARIOUS	JURISD.	SCH. -D	5,781.0	0.0	5,781.0	1.707	1.707	98,700.00	98,700.00	
	VARIOUS	SEPARATED	SCH. -D	34,091.0	0.0	34,091.0	1.469	1.710	500,500.00	582,900.00	
	HPP	SEPARATED	CONTRACT	9,433.0	0.0	9,433.0	2.389	3.197	225,300.00	301,000.00	
	VARIOUS	SCH. -D	SCH. -D	61,200.0	0.0	61,200.0	1.491	1.563	912,300.00	956,600.00	
	VARIOUS	JURISD.	SCH. -J	5,760.0	0.0	5,760.0	2.352	2.352	135,500.00	135,500.00	
									XXXXXX (86,500.00)		
TOTAL			184,584.0	0.0	184,584.0	1.740	1.937	3,211,940.00	3,574,700.00		
Apr-88 THRU Sep-88	VARIOUS	(INCL. TRANS.)	ECON.	479,664.0	0.0	479,664.0	1.648	2.225	7,904,600.00	10,672,900.00	2,214,640.00
	VARIOUS	JURISD.	SCH. -D	30,734.0	0.0	30,734.0	1.740	1.740	534,700.00	534,700.00	
	VARIOUS	SEPARATED	SCH. -D	198,878.0	0.0	198,878.0	1.466	1.710	2,915,800.00	3,401,600.00	
	HPP	SEPARATED	CONTRACT	109,746.0	0.0	109,746.0	2.348	3.156	2,576,300.00	3,463,400.00	
	VARIOUS	SCH. -D	SCH. -D	373,320.0	0.0	373,320.0	1.487	1.563	5,352,500.00	5,635,000.00	
	VARIOUS	JURISD.	SCH. -J	28,824.0	0.0	28,824.0	2.362	2.362	680,500.00	680,900.00	
									XXXXXX (605,100.00)		
TOTAL			1,221,166.0	0.0	1,221,166.0	1.783	2.014	21,770,340.00	24,588,500.00		

TAMPA ELECTRIC COMPANY
DOCKET NO. 990001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 24
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION

24. Could Tampa Electric Company's retail jurisdictional separation factor for transmission services be greater than its retail jurisdictional factor for generation service? If so, provide an example.

A. Tampa Electric Company's basic position is that transmission revenues should be allocated according to transmission usage and generation revenues allocated through the current energy allocation. Therefore, a comparison between the two factors under the predicate question is an apples vs. oranges problem. However, if one were comparing demand factors only; the following answer is appropriate.

Generally, the Company's retail jurisdiction separation factor for transmission service would be less than its retail jurisdictional factor for generation service. The Company's transmission loadings for other than native load result primarily from two types of transmission reservations:

(1) Parties reserving transmission service only from the Company (without contracting with the Company for a power sale), and

(2) Parties contracting with the Company for bulk power sales that are also reserving transmission service for delivery of the energy to a Company interface with another utility or to a load within the Company's control area.

In both of the above circumstances, transmission loadings would be greater than generation loadings resulting in a retail jurisdictional separation factor for transmission services that would be less than its retail jurisdictional factor for generation service.

An example could be derived where the Company's retail jurisdictional separation factor for transmission services would be greater than its retail jurisdictional factor for generation service only. The example would include a specific circumstance where parties take delivery of contracted bulk power sales at the Company's generating plant bus and over their own transmission line(s) without necessitating a Company transmission reservation or use of the Company's transmission assets.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 990001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 25
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION**

25. Refer to pages 4 through 5 of Mr. Kordecki's direct testimony, filed October 14, 1998. Please describe the rationale for allocating revenues derived from Reactive Supply and Voltage Support based upon generation.
- A. Mr. Kordecki's testimony has been withdrawn.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 990001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 26
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION**

26. Refer to page 4 of Mr. Kordecki's direct testimony, filed October 14, 1998. Clarify the following statement: "These factors could be updated each year in the same manner as the Capacity Cost Recovery Clause."
- A. Mr. Kordecki's testimony has been withdrawn.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 980001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 27
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION**

27. Please provide the calculation of TECO's most recent transmission rates as described on page 4, lines 13 through 19 of Mr. Kordecki's prefiled direct testimony.
- A. Mr. Kordecki's testimony has been withdrawn.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 980001-EI
FPSC STAFF'S 5th SET
INTERROGATORY NO. 28
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION**

28. For the fuel cost projection period April through September, 1998, and using the method described on page 4, lines 1 through 19, of Mr. Kordecki's prefiled direct testimony, please show the calculation and application of transmission and energy separation factors for revenues from economy broker transactions.
- A. Tampa Electric has provided the modified A Schedules for April 1998 through September 1998 which are affected by the proposed change in transmission separation calculations in response to Interrogatory No. 23.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 980001-EI
FPSC STAFF'S 1st REQUEST
FOR PRODUCTION OF DOCUMENTS
DOCUMENT NO. 1
FILED: JANUARY 14, 1999
PAGE 1 of 1
TRANSMISSION RECONSIDERATION**

1. Please provide the portion of TECO's FERC wholesale transmission tariff which includes the rate design methodology described on page 4, lines 1 through 11, of Mr. Kordecki's prefiled direct testimony.
- A. Mr. Kordecki's testimony has been withdrawn.

**EXTRACTIONS
FROM
FLORIDA POWER CORPORATION'S
OPEN ACCESS TRANSMISSION TARIFF
EFFECTIVE NOVEMBER 9, 1997, SUBJECT TO REFUND**

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	<u>Exhibit Page No.</u>
Formula Rate - Annual Transmission Revenue Requirement	2 thru 15
Workpaper in filing developing Non-Firm Transmission Revenue Credit based on Calendar 1996 data	16
Exhibit in filing demonstrating application of 1996 data in Formula Rate	17 thru 19

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET

NO. 980001-EL EXHIBIT NO. 4

COMPANY/

WITNESS: Wetland/Slusser (adopting)

DATE: 2-12-92

ATTACHMENT H

Revenue Requirement

I. Annual Transmission Revenue Requirement

1. The Annual Transmission Revenue Requirement shall be determined by application of the formula set out below to the Transmission Provider's costs and loads.
2. The amount in (1) shall be effective until amended by the Transmission Provider or modified by the Commission.

Annual Transmission Revenue Requirement Equals:

	Operation & Maintenance Expenses
Plus	Depreciation & Amortization Expenses
Plus	Taxes Other Than Income Taxes
Plus	Return
Plus	Income Taxes
Plus	Cost of Customer Facilities
Less	Revenue from Direct Cost Assessments
Less	Other Transmission Revenues
Equals	Annual Transmission Revenue Requirement

A. Operation & Maintenance Expenses¹⁷ Equal:

Administrative and General Expenses - Accounts 920-923, 925, 926,
929-931 and 935, excluding amounts paid to EEI and EPR1

Multiplied by Wages and Salaries Transmission Allocator

Equals Subtotal 1

Administrative and General Expenses - Account 924.30, Property
Insurance other than nuclear

Multiplied by Gross Electric Transmission Plant In Service Allocator

Equals Subtotal 2

Subtotal 1

Plus Subtotal 2

**Plus Account 924.20, Storm Damage Insurance, allocated based on the
ratio of Gross Transmission Plant to the Sum of Gross Transmission
Plant and Gross Distribution Plant**

**Plus Redispatch costs incurred by the Transmission Provider or a
Customer where such redispatch costs are not paid by the
Transmission Provider or a Customer on an incremental basis**

**Plus Transmission Expenses (Accounts 560, 562-564 and Accounts 566-
573)**

Equals Total Operation & Maintenance Expenses

¹⁷ Operating and Maintenance expense items which are extraordinary or non-recurring and have a significant effect on charges under this Tariff are separately identified. The expense for these items reflects amortization over three to five years, as appropriate under the circumstances. The unamortized balances of such identified items are recognized as an addition to rate base in this formula. The Transmission Provider may propose to change extraordinary property losses or OPEB expense (currently \$22,191,000) pursuant to a unilateral filing under Section 205 of the Federal Power Act and any Customer may seek to change such charges under Section 205 of the Act.

B. Depreciation & Amortization Expenses Equal:

General Plant Depreciation Expense
Plus Intangible Plant Depreciation Expense
Equals Subtotal 1
Multiplied by Wages and Salaries Transmission Allocator
Equals Subtotal 2
Subtotal 2
Plus Transmission Plant Depreciation Expense
Equals Total Depreciation & Amortization Expense^{2/}

C. Taxes Other Than Income Taxes Equal:

FICA
Plus Federal & State Unemployment Compensation
Equals Subtotal 1
Multiplied by Wages and Salaries Transmission Allocator
Equals Subtotal 2
County and Local Property Taxes
Plus Licenses & Other Miscellaneous Taxes Excluding Fuels, Revenue
Related Taxes, Regulatory Assessment Fees and Franchise Fees
Equals Subtotal 3
Subtotal 3
Multiplied by Gross Electric Transmission Plant In-Service Allocator
Equals Subtotal 4

^{2/} The depreciation and amortization expense is derived from depreciation rates established in Docket No. ER95-457-000. The Transmission Provider may propose to change depreciation rates pursuant to a unilateral filing under Sections 205 of the Federal Power Act and any Customer may seek to change such rates pursuant to Section 206 of the Act.

	Subtotal 2
Plus	Subtotal 4
Equals	Total Taxes Other Than Income Taxes

D. Return

The Return is the product of the Electric Transmission Rate Base (average of beginning and end of year balances) and the Rate of Return.

Electric Transmission Rate Base - the total of the following items:

- | | | |
|------|----|--|
| | a. | Transmission Plant-In-Service (Accounts 350-359) |
| Less | b. | Accumulated depreciation reserve for the plant items listed in (a) above. |
| Plus | c. | Balance of general plant (Accounts 389-399) and intangible plant (Accounts 301-303), excluding expenses that are related solely to retail service (including retail related load management and customer information systems) net of accumulated depreciation reserve and allocated to transmission on the basis of the Wages and Salaries Transmission Allocator. |
| Plus | d. | Sum of transmission plant materials and supplies and allocation to transmission of general and common materials and supplies (excluding Account 155 amounts) on the basis of the Wages and Salaries Transmission Allocator. |
| Plus | e. | Prepayments allocated to transmission on the basis of the Gross Electric Transmission Plant-In-Service Allocator. |
| Plus | f. | An allowance for cash working capital equal to 1/8 of the transmission operation and maintenance expenses. |
| Plus | g. | Land held for future transmission use. |
| Plus | h. | The unamortized portion of extraordinary or non-recurring Operating and Maintenance expense items. |
| Less | i. | Accumulated deferred income taxes (Accounts 182, 190, 254, 281, 282, 283), determined on a functionalized basis. |

Rate of Return - the figure determined based on the following formula:

$$\text{Rate of Return} = (\text{DR} \times \text{DC}) + (\text{PR} \times \text{PC}) + (\text{CR} \times \text{CC})$$

Where:

- DR = Debt ratio is the ratio of the Transmission Provider's long term debt to its total utility capitalization. Debt includes bonds (Account 221) plus other long-term debt (Account 224) plus unamortized premium on long-term debt (Account 225) less unamortized discount on long-term debt (Account 226) less unamortized debt expenses (Account 181) less unamortized loss on reacquired debt (Account 189).
- DC = Debt cost rate is the ratio of the following expense amounts for the year to the average debt balance included in the formula for DR above: Interest on long-term debt (Account 427) plus amortization of debt discount and expense (Account 428) plus amortization of loss on reacquired debt (Account 428.1) less amortization of premium on debt (Account 429).
- PR = Preferred stock ratio is the ratio of the Transmission Provider's preferred stock (Account 204), based on the average of the beginning and end of year balances, to the Transmission Provider's total utility capitalization.
- PC = Preferred stock cost rate is the ratio of the preferred stock dividends expense to the average preferred stock balance in the formula for PR above.
- CR = Common equity ratio is the ratio of the Transmission Provider's common equity to Transmission Provider's total utility capitalization. Common equity is equal to total proprietary capital (Accounts 201 through 217) minus preferred stock issued (Account 204) minus investment in subsidiary companies (Account 123.1).
- CC = Common equity cost rate of 10.8 percent.³

Total utility capitalization shall be equal to the total of the Transmission Provider's long-term debt, preferred stock and utility common equity balances (average of beginning and end of year). As such, DR + PR + CR shall equal one hundred percent (100 percent).

E. Income Taxes

Income Taxes equal the total Federal and State Income Taxes calculated by the following formula:

$$\text{Income Taxes} = \{[(RB \times CEQC) + PMTD] \times [FIT \text{ Factor}]\} + PMTD$$

Where: RB = Transmission Rate Base

CEQC = Weighted Cost of Equity Capital

³ The Transmission Provider may propose to change the common equity cost rate pursuant to a unilateral filing under Section 205 of the Federal Power Act and any Customer may seek to change the rate pursuant to Section 206 of the Act.

PMTD = Allocation of Permanent Tax Differences, including Investment Tax Credits, determined on a functionalized basis.

Composite Tax Rate = $\text{State Tax Rate} + (100.000\% - \text{State Tax Rate})$
(Federal Tax Rate)

FIT Factor = $(\text{Composite Tax Rate}) / (100.000\% - \text{Composite Tax Rate})$

F. Cost of Customer Facilities

Credits for Customer Transmission Facilities pursuant to Section 30.9 of this Tariff

G. Revenues from Direct Cost Assessments

Revenues from Direct Assignment Facilities

Plus Forfeited reservation fees and penalties collected from Transmission Customers.

Plus The costs of System Impact Studies or Facilities Studies that are collected from a Customer under this Tariff

The Transmission Provider will apply Commission policies in determining whether transmission facilities constructed in connection with service pursuant to tariffs, rate schedules or contracts other than this Tariff, including transmission in connection with retail service, should be directly assigned or charged to customers on an incremental basis. If the Commission makes a determination of the revenue requirements with respect to facilities that should be directly assigned or charged on an incremental basis, those revenues will be credited in this formula rate. If such facilities would be directly assigned or charged on an incremental basis if they were related to transactions subject to the Commission's jurisdiction, the credit shall be equal to the product of (i) the Annual Transmission Revenue Requirement calculated without regard to this Section G; and (ii) the ratio of the gross investment in directly assigned or incrementally charged facilities to the Gross Electric Transmission Plant-in-Service.

H. Other Transmission Revenues

Revenue from Firm Point-To-Point Transmission Service and Network Contract Demand Transmission Service provided at other than a fully-allocated embedded cost basis

Plus Revenue from Firm Point-To-Point Transmission Service and Network Contract Demand Transmission Service provided on a fully-allocated, embedded cost basis, for which the term of service is less than one calendar month.

Plus Revenue from Non-Firm Transmission Service

I. Allocators

1. Wages and Salaries Transmission Allocator

The ratio of (i) transmission wages and salaries to (ii) total electric wages and salaries less administrative and general wages and salaries included in total electric wages and salaries.

2. Gross Electric Transmission Plant-In-Service Allocator

The ratio of average of 13 monthly balances of Gross Electric Transmission Plant-In-Service to the sum of (i) electric production, transmission, and distribution plant-in-service; and (ii) general plant allocated based on the wages and salaries allocator.

II. Annual Distribution Substation Revenue Requirement

The Annual Distribution Substation Revenue Requirement shall be determined by applying the following formula to the Transmission Provider's costs and loads. This formula shall be effective until amended by the Transmission Provider or modified by the Commission.

	Operation & Maintenance Expenses
Plus	Depreciation & Amortization Expenses
Plus	Taxes Other Than Income Taxes
Plus	Return
Plus	Income Taxes
Less	Revenues related to Direct Cost Assignment
Equals	Annual Distribution Substation Revenue Requirement

A. Operation & Maintenance Expenses^{1/} Equal:

	Administrative and General Expenses - Accounts 920-923, 925, 928, 929-931 and 935, excluding amounts paid to EEI and EPR1
Multiplied by	Substation Proportion of Distribution Plant Allocator
Multiplied by Equals	Wages and Salaries Distribution Allocator Subtotal 1
	Administrative and General Expenses - Account 924.30, Property Insurance other than nuclear
Multiplied by	Substation Proportion of Distribution Plant Allocator
Multiplied by Equals	Gross Electric Distribution Plant In Service Allocator Subtotal 2
	Account 924.20, Storm Damage Insurance, allocated based on the ratio of Gross Distribution Plant to the Sum of Gross Transmission Plant and Gross Distribution Plant
Multiplied by Equals	Substation Proportion of Distribution Plant Allocator Subtotal 3
	Subtotal 1
Plus	Subtotal 2
Plus	Subtotal 3
Plus	Distribution Expenses (Accounts 582, 591, 592 plus allocation of Accounts 580, 588, 589, 590, 598 on the basis of Substation Proportion of Distribution Plant Allocator).
Equals	Total Operation & Maintenance Expenses

^{1/} Operating and Maintenance expense items which are extraordinary or non-recurring and have a significant effect on charges under this Tariff are separately identified. The expense for these items reflects amortization over three to five years, as appropriate under the circumstances. The unamortized balances of such identified items are recognized as an addition to rate base in this formula. The Transmission Provider may propose to change extraordinary property losses or OPEB expense (currently \$22,191,000) pursuant to a unilateral filing under Section 205 of the Federal Power Act and any Customer may seek to change such charges under Section 206 of the Act.

B. Depreciation & Amortization Expenses Equal:

	Distribution Depreciation Expense
Multiplied by	Substation Proportion of Distribution Plant Allocator
Equals	Subtotal 1
	General Plant Depreciation Expense
Plus	Intangible Plant Depreciation Expense
Equals	Subtotal 2
	Subtotal 2
Multiplied by	Substation Proportion of Distribution Plant Allocator
Multiplied by	Wages and Salaries Distribution Allocator
Equals	Subtotal 3
	Subtotal 1
Plus	Subtotal 3
Equals	Total Depreciation & Amortization Expense ^{2/}

C. Taxes Other Than Income Taxes Equal:

	FICA
Plus	Federal & State Unemployment Compensation
Equals	Subtotal 1
	Subtotal 1
Multiplied by	Substation Proportion of Distribution Plant Allocator
Multiplied by	Wages and Salaries Distribution Allocator
Equals	Subtotal 2

^{2/} The depreciation and amortization expense is derived from depreciation rates established in Docket No. ER95-457-000. The Transmission Provider may propose to change depreciation rates pursuant to a unilateral filing under Sections 205 of the Federal Power Act and any Customer may seek to change such rates pursuant to Section 206 of the Act.

County and Local Property Taxes

Plus	Licenses & Other Miscellaneous Taxes Excluding Fuel Taxes and Revenue Related Taxes and Regulatory Assessment Fees and Franchise Fees
Equals	Subtotal 3
	Subtotal 3
Multiplied by	Substation Proportion of Distribution Plant Allocator
Multiplied by Equals	Gross Electric Distribution Plant-In-Service Allocator Subtotal 4
	Subtotal 2
Plus Equals	Subtotal 4 Total Taxes Other Than Income Taxes

D. Return

The Return is the product of the Electric Distribution Substation Rate Base (average of beginning and end of year balances) and the Rate of Return.

Electric Distribution Substation Rate Base - the total of the following items:

- | | | |
|------|----|--|
| | a. | Distribution Substation Plant-In-Service (Accounts 360-362) |
| Less | b. | Accumulated depreciation reserve for the plant items listed in (a) above. |
| Plus | c. | Balance of general plant (Accounts 389-399) and intangible plant (Accounts 301-303) net of accumulated depreciation reserve and allocated to distribution substation on the basis of the Substation Proportion of Distribution Plant Allocator times the Wages and Salaries Distribution Allocator. |
| Plus | d. | Sum of (i) allocation of distribution plant materials and supplies on the basis of Substation Proportion of Distribution Plant Allocator and (ii) allocation of general and common materials and supplies (excluding Account 155 amounts) on the basis of Substation Proportion of Distribution Plant Allocator times the Wages and Salaries Distribution Allocator. |
| Plus | e. | Prepayments allocated to Distribution Substation on the basis of the Substation Proportion of Distribution Plant Allocator times the Gross Electric Distribution Plant-In-Service Allocator. |

- Plus f. An allowance for cash working capital equal to 1/8 of the distribution substation operation and maintenance expenses.
- Plus g. Land held for future distribution substation use.
- Plus h. The unamortized portion of extraordinary or non-recurring Operating and Maintenance expense items.
- Less i. Accumulated deferred income taxes (Accounts 182, 190, 254, 281, 282, 283) determined on a functionalized basis.

Rate of Return - the figure determined based on the following formula:

$$\text{Rate of Return} = (\text{DR} \times \text{DC}) + (\text{PR} \times \text{PC}) + (\text{CR} \times \text{CC})$$

Where:

- DR = Debt ratio** is the ratio of the Company's long term debt to its total utility capitalization, based on the average of beginning and end of year balances. Debt includes bonds (Account 221) plus other long-term debt (Account 224) plus unamortized premium on long-term debt (Account 225) less unamortized discount on long-term debt (Account 226) less unamortized debt expenses (Account 181) less unamortized loss on reacquired debt (Account 189).
- DC = Debt cost rate** is the ratio of the following expense amounts for the year to the average debt balance included in the formula for DR above, based on the average of beginning and end of year balances: interest on long-term debt (Account 427) plus amortization of debt discount and expense (Account 428) plus amortization of loss on reacquired debt (Account 428.1) less amortization of premium on debt (Account 429).
- PR = Preferred stock ratio** is the ratio of the Transmission Provider's preferred stock (Account 204) to the Transmission Provider's total utility capitalization, based on the average of beginning and end of year balances.
- PC = Preferred stock cost rate** is the ratio of the preferred stock dividends expense to the average preferred stock balance in the formula for PR above, based on the average of beginning and end of year balances.
- CR = Common equity ratio** is the ratio of the Company's common equity to Company's total utility capitalization, based on the average of the beginning and end of year balances. Common equity is equal to total proprietary capital (Accounts 201 through 217) minus preferred stock issued (Account 204) minus investment in subsidiary companies (Account 123.1).

CC = Common equity cost rate of 10.8 percent.²

Total utility capitalization shall be equal to the total of the Company's long-term debt, preferred stock and utility common equity balances (average of beginning and end of year). As such, DR + PR + CR shall equal one hundred percent (100 percent).

E. Income Taxes

Income Taxes equal the total Federal and State Income Taxes calculated by the following formula:

Income Taxes = $\{[(RB \times CEQC) + PMTD] \times [FIT \text{ Factor}]\} + PMTD$.

Where: RB = Distribution Substation Rate Base

CEQC = Weighted Cost of Equity Capital

PMTD = Allocation of Permanent Tax Differences, including Investment Tax Credits, determined on a functionalized basis.

Composite Tax Rate = $\frac{\text{State Tax Rate} + (100.000\% - \text{State Tax Rate}) \times \text{Federal Tax Rate}}{\text{Federal Tax Rate}}$

FIT Factor = $\frac{\text{Composite Tax Rate}}{(100.000\% - \text{Composite Tax Rate})}$

Allocators

A. Substation Proportion of Distribution Plant Allocator

The ratio of the average of thirteen monthly balances of distribution substation plant to total distribution plant-in-service.

B. Wages and Salaries Distribution Allocator

The ratio of (i) distribution wages and salaries to (ii) total electric wages and salaries less administrative and general wages and salaries included in total electric wages and salaries.

C. Gross Electric Distribution Plant-In-Service Allocator

² The Transmission Provider may propose to change the common equity cost rate pursuant to a unilateral filing under Section 205 of the Federal Power Act and any Customer may seek to change the rate pursuant to Section 206 of the Act.

The ratio of the Gross Electric Distribution Plant-In-Service to the sum of (i) electric production, transmission, and distribution plant-in-service; and (ii) general plant, allocated based on the wages and salaries allocator.

III. Methodology for Applying Formula Rate

1. **Estimates and true-ups:** Rates for Network Integration Service, Long-Term Firm Point-To-Point Transmission Service, Network Contract Demand Transmission Service for terms of one year or more and Distribution Substation Service shall initially be established on an estimated basis and shall be true'd up based on actual costs and loads for the year in which transmission service is provided. Preliminary estimates of charges, accompanied by supporting cost and load data, shall be provided to Customers by May 1, and Customers may provide comments to the Transmission Provider on the preliminary estimates by May 15. Estimated charges shall be revised to become effective each June 1 and shall be based on actual costs and loads for the previous calendar year. Estimated charges for a calendar year shall be true'd up not later than the following June 1. Rates for Short-Term Firm Point-To-Point Transmission Service, Network Contract Demand Transmission Service for less than one year and Non-Firm Point-To-Point Transmission Service will be adjusted each June 1 based on actual costs and loads for the previous calendar year.
2. **Estimated demands and redispatch costs:** Bills may incorporate estimated billing determinants and/or redispatch costs. When the Transmission Provider uses estimated billing demands and/or redispatch costs in a billing statement, it shall adjust such bills in the second billing statement after that billing statement to reflect actual billing demands and/or redispatch costs (for instance, estimates of January billing demands are adjusted in the March billing statement).
3. **True-ups:** If estimated billings exceeded actual costs, the Transmission Provider shall return the difference, plus interest calculated at the rate set for refunds under the Federal Power Act pursuant to 18 C.F.R. § 35.19a, together with the adjusted bill. If estimated billings under-recovered actual costs, the Customer shall pay the difference, plus interest calculated at the rate set for refunds under the Federal Power Act pursuant to 18 C.F.R. § 35.19a, to the Transmission Provider within 20 days after the date of the adjusted bill. In the event a payment is not made by the applicable due date, a late payment charge shall accrue at the rate set for refunds under the Federal Power Act pursuant to 18 C.F.R. § 35.19a for the period beginning on the date on which the adjusted bill is rendered and ending on the date that payment is received.
4. **Audits:** The Transmission Provider and the Customer each have the right, within twenty-four months following the receipt of a bill or an adjusted bill, to audit each other's accounts and records for the period covered by the bill or adjusted bill. During normal business hours and subject to conditions consistent with the conduct by the Transmission Provider and the Customer of their regular business affairs and responsibilities, the Transmission Provider and the Customer each will provide the other or any auditor retained by the other access to, and upon request copies of, its

books, records, and other documents that are related to the performance of the Parties' obligations under this Tariff. Such books, records and other documents shall include all documents (including electronic records, computer programs, inputs to computer programs and the like) that would be available (under a protective order or otherwise) in a proceeding before the FERC under Section 205 of the Federal Power Act, including but not limited to documents which set forth (a) costs applicable to the planning, design, construction, operation, maintenance and retirement of facilities to the extent necessary to enable the verification of the costs billed and credits provided pursuant to this Tariff; and (b) metering information related to the provision of service or the calculation of charges pursuant to this Tariff. The auditing Party shall bear the cost of any copying, review or audit of such books and records. Notwithstanding the foregoing, neither Party shall be required to make available to the other any reports or information relating to personnel practices, staffing or labor relations or minutes of the Board of Directors and committees thereof. The audited Party shall be provided a copy of all final audit reports. The Transmission Provider and the Customer each agree to facilitate the negotiation of non-disclosure agreements or protective orders as necessary to make available for audit documents that are subject to non-disclosure agreements or licensing agreements with third parties. The audited party may seek issuance of reasonable protective orders, if appropriate, and the auditing party may seek orders requiring production. In the event of a dispute regarding disclosure or production of documents, the time limits for conducting an audit and for challenging bills or adjusted bills shall be tolled from the date of the request for production to the earlier of (i) the date of production of the requested documents or (ii) the date of issuance of a final non-reviewable order denying disclosure of the requested documents.

5. **Finality of Billing Adjustments:** Each bill or adjusted bill shall become final for all purposes, other than challenges to (i) the prudence of the Transmission Provider's actions or (ii) the reasonableness of the Transmission Provider's decisions with respect to whether costs and/or facilities should be directly assigned, charged incrementally to itself or others or included in embedded costs, 30 months after the date appearing thereon unless the Customer has previously raised an objection thereto. Thereafter, the Customer shall not challenge the bill for any reason (other than the reasons set out above) including the accuracy or reasonableness of the bill or the reasonableness or accounting treatment of any costs or revenues specified in or underlying the bill. The Company shall not revise a Customer's original or adjusted bill for a given period more than 30 months after the date of the original bill; provided that the Company shall revise the bills of all similarly situated Customers if any Customer makes a timely and successful challenge to a bill or adjusted bill.

FLORIDA POWER CORPORATION
FERC Docket No. ER97-_____
Exhibit No. _____ (FPC - 104)
Part A. T&D Services
Section I
Revenue Credits
Page 2 of 3

FLORIDA POWER CORPORATION
PRICING DEPARTMENT

REVENUE FROM NON-FIRM TRANSMISSION SERVICE
CALENDAR YEAR 1996

I. Hourly Non-Firm Service:				
Total MWh at point of receipt	172,546			
	172,546 MWh	x	3.32 \$/MWh	= \$572,853
II. FPC Hourly Non-Firm Use:				
Total MWh delivered	518,885	(Per FERC Form 1, Page 310) for Non-Requirements Sales		
	518,885 MWh	x	3.32 \$/MWh	x 1.0267 = \$2,109,887
				Total I + II = <u>\$2,682,740</u>

Loss Factor 1.0267 From 1 / (1 - 0.026) where transmission losses in 1996 = 2.6%.

FLORIDA POWER CORPORATION
 Development of Annual Transmission Revenue Requirement
 Based On Calendar Year 1996 Data

FERC SLUSSER NO. _____
 Exhibit No. _____ (FPC - 101)

Annual Transmission Revenue Requirement Equals:

	\$1000
Operation & Maintenance Expenses	25,648
Plus: Depreciation & Amortization Expenses	22,934
Plus: Taxes Other Than Income Taxes	10,294
Plus: Return	41,303
Plus: Income Taxes	17,256
Plus: Cost for Customer Facilities	0
Less: Revenue from Direct Cost Assessments	0
Equals: Total Basis For Transmission Revenue Requirement	<u>117,335</u>
Less: Other Transmission Revenues	<u>(7,653)</u>
Equals: Total Basis for Transmission Service	<u>114,682</u>

Operations & Maintenance Expenses Equal:

Transmission Expenses (Accounts 580, 582-584, 586-573) Excl. Amortized Items		14,708
Plus: A & G Transmission Related		1,778
Plus: Wage Ratio of A & G Labor Related	5.32% x	94,438 = 5,020
Plus: Plant Ratio of A & G Gross Plant Related	14.23% x	1,880 = 328
Plus: Amortized Extraordinary/Non-recurring Items		0
Plus: Redpatch Costs Not Collected on Incremental Basis		<u>3,820</u>
		<u>25,648</u>

Depreciation & Amortization Expenses Equal:

Transmission Plant		21,388
Plus: Wage Ratio of General, Intangible	5.32% x	29,486 = 1,568
		<u>22,934</u>

Taxes Other than Income Equal:

Wage Ratio of Payroll Related Taxes	1.32% x	14,382 = 768
Plus: Plant Ratio of Property Taxes	14.23% x	68,418 = 9,463
Plus: Plant Ratio of Misc. Taxes	14.23% x	532 = 78
		<u>10,294</u>

FLORIDA POWER CORPORATION
Development of Annual Transmission Revenue Requirement
Based On Calendar Year 1996 Data

FLORIDA POWER CORPORATION
FERC Docket No. ER97-_____
Exhibit No. _____ (FPC - 101)

Return Equals:

The product of the Transm. Rate Base and the Rate of Return. 462,879 x 9.13% = 41,325

Rate Base Includes the following items:

A. Plant in Service				
a.	Transmission Plant (Accounts 380 - 388)			818,388
b.	Wage Rate of Gen'l & Inv. Pl. (Accts 301-303,388-388)	5.32%	351,440	18,682
	Total Plant in Service			<u>837,070</u>
B. Depreciation Reserve				
a.	Transmission Plant (Accounts 350 - 358)			(204,810)
b.	Wage Rate of Gen'l & Inv. Pl. (Accts 301-303,348-388)	5.32%	157,227	<u>(8,358)</u>
	Total Depreciation Reserve			<u>(213,168)</u>
C. Working Capital				
a.	Plant Materials & Supplies			
1.	Transmission Plant			4,182
2.	Wage Rate of General and Common	5.32%	1,700	<u>90</u>
	Total M & S			<u>4,272</u>
b.	Plant Rate of Prepayments	14.23%	5,048	718
c.	Working Cash (1/8 x Cash)	12.50%	25,648	<u>3,206</u>
	Total Working Capital			<u>8,287</u>
D. Additions to Rate Base				
	Land Held for Future Use - Transmission			4,980
	Unamortized balances of Extraordinary/Non-recurring O&M items			<u>0</u>
	Total Additions to Rate Base			<u>4,980</u>
E. Deductions to Rate Base:				
	Accumulated Deferred Income Taxes, Accts. 192, 193, 254, 281, 282, and 283		Total	
			ADIT	
	Transmission	100.00%	(91,308)	(91,308)
	General	5.32%	(51,124)	(2,718)
	Labor	5.32%	15,815	830
	Gross Plant	14.23%	(8,778)	(984)
	All Other	0.00%	(498,241)	0
	Total Deductions to Rate Base		<u>(843,606)</u>	<u>(84,186)</u>
	Total Rate Base			<u>462,879</u>

Rate of Return Equals:

The overall weighted cost of the following capital sources:		<u>1000</u>	<u>Ratio</u>	<u>Cost</u>	<u>ROR</u>
A.	Long-Term Debt	1,287,484	0.4976	8.888%	4.811%
B.	Preferred Stock	88,887	0.0373	8.717%	8.183%
C.	Common Stock	1,788,791	0.6651	10.800%	8.111%
		<u>3,165,231</u>	<u>1.0000</u>		<u>8.128%</u>

Income Tax Equals:

The total Federal and State Income Taxes determined by the following formula:
Income Taxes = { [(RB x CEQC) + PMTD] x [FIT Factor] } - PMTD

Where:	RB	=	Transmission Rate Base		462,879
	CEQC	=	Weighted Cost Equity Capital		8.29%
	PMTD	=	Permanent Tax Differences		
	Net Investment Tax Credit			Total ITC	
			Direct Transm.	100.00%	(843)
			Labor Rate	5.32%	(180)
			Direct Other	0.00%	(8,408)
			Net Investment Tax Credit Total		<u>(7,819)</u>
			Other Differences	14.23%	<u>3,231</u>
			Total Permanent Tax Differences		<u>(4,288)</u>
	State Tax Rate	=	5.5%		
	Federal Tax Rate	=	35.0%		
	Composite Rate	=	8.6% - (100.00% - 5.500%)(35.000%)	38.573%	
	FIT Factor	=	38.573% / (100.00% - 38.573%)		0.62800163

FLORIDA POWER CORPORATION
 Development of Annual Transmission Revenue Requirement
 Based On Calendar Year 1998 Data

FLORIDA POWER CORPORATION
 FERC Costal No. 8997-_____
 Exhibit No. ____ (FPC - 101)

Cost for Customer Facilities:
 Credits for Customer Transmission Facilities

0

Revenues From Directly Assigned Charges and Facilities:

Revenues from Direct Assigned Facilities
 Forfeited Reservation Fees
 System Impact Studies or Facilities Studies Fees
 Total

0

0

0

0

Other Transmission Revenues:

Revenues from Other than Fully-Allocated Embedded Cost Assets
 Revenues from Non-Firm Transactions
 I. Hourly Non-Firm Service
 II. FPC Hourly Non-Firm Use
 III. Revenues from Short-Term Firm Transactions

0

(873)

(2,110)

0

(2,983)

Allocators

1. Wages and Salaries Transmission Allocator (Wage Ratio)

The ratio of (i) transmission wages & salaries to
 (ii) total electric wages & salaries less administrative
 and general wages and salaries included in total
 electric wages and salaries.

Production	83,700	81.03%
Transmission	8,182	8.32%
Distribution	23,841	19.89%
Customer Acct	21,888	14.11%
Cost. Serv. & Inf.	2,079	1.38%
Sales	2,080	1.38%
Subtotal	188,858	100.00%
A & G	18,780	
Total	173,318	

2. Electric Transmission Plant-in-Service Allocator (Plant Ratio)

The ratio of Gross Electric Transmission Plant-in-Service
 to the sum of (i) electric production, transmission, and
 distribution plant-in-service and (ii) general plant, allocated
 based on the Wages and Salaries Allocator.

	Gross Plant in Service	Gen'l Plant Reallocated	Adjusted Gross Plant	Plant Ratio
Production	2,777,348	214,674	2,992,022	90.97%
Transmission	818,388	18,700	837,088	14.38%
Distribution	1,833,828	28,304	1,862,132	33.88%
General	381,787	(381,787)	0	0.00%
Cost Acctg	0	49,838	49,838	0.94%
Cost Serv.	0	4,783	4,783	0.08%
Sales	0	4,788	4,788	0.08%
Total	5,801,351	0	5,881,338	100.00%

FLORIDA POWER CORPORATION
SUMMARY OF PEAK TRANSMISSION LOADINGS AT TIME OF MONTHLY PEAK*
12 MONTHS ENDED 12/31/67

DOCKET NO. 280001 E

W. C. KILMER ENGINE NO. _____ (FACS-2)
 JURISDICTIONAL TRANSMISSION LOADINGS
 PAGE 1 OF 1

	JAN-67	FEB-67	MAR-67	APR-67	MAY-67	JUN-67	JUL-67	AUG-67	SEP-67	OCT-67	NOV-67	DEC-67	12 MONTHS TOTAL	12 MONTHS AVERAGE	PERCENT OF TOTAL
I. FERC Jurisdiction															
1 BAYVIEW	35,839	49,418	48,782	59,797	81,182	85,643	85,022	84,078	62,227	48,774	40,918	44,889	691,482	60,124	
2 SWANNA	3,886	3,843	3,889	2,384	2,888	3,887	5,761	4,888	4,888	4,888	3,888	3,888	48,241	2,888	
3 SCLAY DORA	18,852	8,881	18,413	12,447	17,847	17,848	18,227	17,888	18,884	18,888	12,882	18,444	188,204	16,517	
4 GUDCY	12,888	14,823	18,888	8,243	17,189	18,781	27,787	20,878	21,887	21,888	18,881	13,880	188,088	16,888	
5 ALACHUA	88	84	127	118	188	188	188	141	128	128	127	177	1,887	141	
6 GALT	8,287	8,248	4,882	2,828	8,288	8,287	8,288	8,288	7,248	8,278	8,247	4,778	88,874	8,248	
7 NEWBERRY	8,138	8,128	4,888	2,817	4,888	4,781	8,288	4,881	8,284	8,278	4,881	8,188	88,878	4,888	
8 TALTON	24	24	24	22	28	28	28	24	28	28	24	28	284	28	
9 WILKINSON	4,828	4,221	4,788	3,888	8,888	8,788	8,818	8,214	8,218	8,878	4,888	4,744	81,888	8,881	
10 FORT	284,881	284,888	287,821	218,888	221,888	248,817	287,288	228,788	241,821	288,878	264,122	288,888	2,871,227	288,288	
11 IN BAYVIEW	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	28,882	
12 SNEYD CREEK	18,418	7,882	41,728	88,228	88,228	88,228	88,228	88,228	88,228	88,228	88,228	88,228	881,888	48,822	
13 SNEYD	1,284,187	1,247,788	788,414	788,414	1,288,881	1,288,818	1,288,428	1,288,728	1,171,827	1,284,818	1,151,888	1,284,884	12,788,888	1,148,822	
14 FORT MEADE	18,817	8,882	8,814	8,811	8,882	8,888	8,888	8,888	8,888	8,888	8,888	8,188	87,888	8,188	
15 WINDHILL	11,788	18,421	8,221	8,888	12,211	12,811	8,888	11,888	12,111	8,888	11,888	18,272	128,777	11,218	
16 SECHINAVAN	2,822	2,888	2,822	2,822	4,288	4,288	4,288	4,288	4,288	4,288	4,288	4,288	47,888	4,288	
17 DEAL	128,882	128,882	128,882	128,882	128,882	128,882	128,882	128,882	128,882	128,882	128,882	128,882	1,281,882	128,882	
18 CREEK PAA	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	47,888	
19 J. BURR-TALL	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	
20 WEE TOWNS	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	11,247	
21 ORNICO-TECO	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	22,817	
22 WEE TOWNS															
TOTAL															
WHOLESALE:	2,482,822	1,882,110	1,438,228	1,438,228	1,878,842	2,488,212	2,284,888	2,182,888	2,188,788	1,828,221	1,728,241	1,888,881	22,088,888	1,872,214	28,888
II. FERC Jurisdiction															
RETAIL:	8,721,188	6,088,283	4,788,842	4,722,187	6,088,228	8,221,878	8,828,724	8,828,887	8,781,818	8,888,428	4,881,218	5,748,428	88,848,822	8,148,782	74,878
TOTAL I + II:	8,184,082	8,870,393	8,188,878	8,188,818	7,967,078	8,710,092	8,812,228	8,812,228	8,812,228	7,818,817	8,810,481	7,717,278	82,038,888	7,888,888	100,000

* All loadings are measured in MW amounts determined at points of receipt on the transmission system. Loadings are actual amounts combined with capacity system peak loading except for FERC Jurisdictional customers I. 18 thru I. 22 which are measured constant demand amounts.

EXHIBIT NO. _____

DOCKET NO: 990001-EI

WITNESS: KARL H. WIELAND

PARTY: FLORIDA POWER CORPORATION

DESCRIPTION: SUMMARY OF FPC'S PROPOSED
REGULATORY TREATMENT OF
BROKER SALES

PROFERRED BY: STAFF

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO. 5
COMPANY/
WITNESS: Wieland
DATE 2-12-99

**FLORIDA POWER CORPORATION
EXAMPLE OF AN ENERGY BROKER NETWORK SALE***

	Before Order 888	Existing Agreements Modified by Order 888
FPC'S Incremental Cost	\$20.00	\$20.00
Buyer's Incremental Cost	30.00	30.00
Transaction Price	25.00	25.00
FPC's Transmission Rate	---	3.00
Margin	5.00	2.00
Purchaser's Cost	25.00	25.00

Jurisdictional Treatment of Transmission and Gain

Retail Portion of Transmission (75%)	---	2.25
Wholesale Portion of Transmission (25%)	---	0.75
Retail Portion of Margin (95%)	4.75	1.90
Wholesale Portion of Margin (5%)	0.25	0.10
 Retail Credit (before 80%/20% Split)		
Fuel Clause	4.75	4.15 (2.25+1.90)
 Wholesale Credit		
Fuel Clause	0.25	0.10
Base Rates	---	0.75
 Total Wholesale Credit	 0.25	 0.85
 After 80%/20% Split:		
Retail Credit to Fuel Clause	3.80 (.8 x 4.75)	3.32 (.8 x 4.15)
Stockholder Incentive	0.95 (.2 x 4.75)	0.83 (.2 x 4.15)

*Source: Pre-filed testimony of K.H. Weiland, Part G, Page 21, Docket No. 970001-EI
See also: Hearing Transcript, Vol. 1, pages 82-83, Docket No. 970001-EI

EXHIBIT NO. _____ 6

DOCKET NO: 990001-EI

WITNESS: WILLIAM C. SLUSSER, JR.

PARTY: FLORIDA POWER CORPORATION

DESCRIPTION: COMPOSITE EXHIBIT:
1) DEPOSITION OF WILLIAM C. SLUSSER, JR. TAKEN ON JANUARY 21, 1999, AND 2) RESPONSES TO STAFF'S THIRD SET OF INTERROGATORIES (NOS. 13 - 15)

PROFERRED BY: STAFF

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO. 6
COMPANY: Slusser/Staff
WITNESS: Slusser/Staff
DATE: 2-12-99

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power)
cost recovery clause and) DOCKET NO. 990001-EI
generating performance incentive) FILED: JAN.14, 1999
factor.)

THE DEPOSITION OF: WILLIAM C. SLUSSER, JUNIOR
TAKEN AT THE INSTANCE OF: Florida Public Service
Commission
DATE: January 21, 1999
TIME: Commenced: 2:05 p.m.
Concluded: 3:25 p.m.
LOCATION: Gerald L. Gunter Building
2540 Shumard Oak Boulevard
Room 362
Tallahassee, Florida
REPORTED BY: Debra R. Krick
Court Reporter and Notary
Public in and for State
of Florida at Large

PREMIER REPORTING
6753 THOMASVILLE ROAD
TALLAHASSEE, FL 32312
(850) 894-0828

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APPEARANCES OF COUNSEL:

On behalf of Florida Public Service Commission:

WILLIAM COCHRAN KEATING, IV, ESQ.
Florida Public Service Commission
2540 Shumard Oak Blvd
Tallahassee, FL 32399

On behalf of Florida Power Corporation:

JAMES A. MCGEE, ESQ.
Florida Power Corporation
Post Office Box 14042
St. Petersburg, FL 33733

On behalf of Florida Power and Light:

CORBY DUBIN, ESQ.
9250 West Flagler Street
Miami, FL

On behalf of the Citizens of Florida:

STEVE BURGESS, ESQ.
Office of Public Counsel
111 West Madison Street
Room 812
Tallahassee, FL 32399

Also appearing:

Todd Bohrmann, FPSC
David Wheeler, FPSC
Judy Harlow, FPSC
Tom Billinger, FPSC
Karl Wieland, Florida Power Corp.

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D E P O S I T I O N

1
2 Whereupon,

3 WILLIAM C. SLUSSER, JUNIOR

4 was called as a witness, having been first duly sworn to
5 speak the truth, the whole truth, and nothing but the
6 truth, was examined and testified as follows:

7 EXAMINATION

8 BY MR. KEATING:

9 Q Good morning.

10 A Good afternoon.

11 Q I hope you're Mr. Slusser. We haven't met
12 before. I am Cochran Keating with the Commission staff.

13 A Okay.

14 Q I just have a few questions for you this
15 afternoon.

16 First, in your testimony, you advocate crediting
17 the transmission-related revenues from the economy
18 transactions to retail customers, based on the
19 transmission allocator. Do you advocate the use of this
20 method for all economy transactions or only those
21 transactions which occur over the energy broker network?

22 A Mr. Keating, I am not sure I got all the pieces
23 of that question. But what I am advocating is the theory
24 that the transmission component of the revenue that's
25 realized from a non-firm sale, in particular economy

1 sales, economy sales through the broker, that that
2 transmission revenue piece be jurisdictionalized on a
3 basis that represents the transmission cost for
4 jurisdictional cost responsibilities.

5 And I would say that any type of revenue of a
6 non-firm nature transmission non-firm nature should be
7 jurisdictionalized on a transmission basis, cost basis as
8 opposed to a generation basis.

9 Q Okay.

10 A So that does go beyond just broker
11 transactions. Any kind of a non-firm sale by the
12 company, the transmission revenue component -- when it's
13 treated in ratemaking -- that the part that's treated in
14 ratemaking for retail jurisdiction should be attributed
15 to the retail business on the basis of a transmission
16 responsibility.

17 Q Okay. I have got a table I would like you to
18 take a look at, and I have got a few extra copies.

19 This table displays the historic sales from 1978
20 to 1998 over the energy broker network.

21 Would you agree that on a megawatt hour basis
22 the statewide broker network sales have been declining
23 over the last few years?

24 A Well, this table indicates that -- I am not that
25 familiar with this table. If I am understanding that,

1 this is all energy broker transactions. It's not just --
2 it's not related to Florida Power in particular.

3 Q Correct. This is statewide.

4 A Yeah. This indicates there was a peak of sales
5 transactions in 1988, 4.4 million megawatt hours. And
6 it's declined in 1998 to 1.1 million megawatt hours.

7 Q Do you expect economy sales over the broker
8 network to continue declining or to perhaps remain the
9 same or increase in the future?

10 A I really don't have the knowledge of how the
11 projections of the broker system might result. There --
12 I am familiar with a lot of efforts to realize economy
13 savings by all the utilities in Florida, prior to the
14 transactions actually being able to be consummated by the
15 energy broker system. And I am sure that's what's cut
16 into the transactions that we see here. But I don't have
17 any forecasts of what the future is on it.

18 Q What about any expectations about economy sales
19 in general, not just broker sales?

20 A Well, I think economy sales, in general, are
21 strongly being pursued by utilities as ways of helping to
22 reduce their customers' rates.

23 I know our company is aggressively attempting to
24 pursue all avenues of economy sales and purchases that
25 will help reduce our rate payers' fuel billings.

1 Q Have Florida Power Corporation sales over the
2 broker network increased or decreased or remained about
3 the same for -- say for the past three years?

4 A It's my understanding, similar to the state
5 picture here, that Florida Power's result in transactions
6 on the broker have been lessened, as a result of
7 transactions prior to them being able to occur on the
8 broker system.

9 Q Okay. What about Florida Power Corporation's
10 economy sales in general?

11 A Economy sales in general. I think the
12 information on Florida Power Corp. should show that we
13 probably are a greater purchaser of economy energy than
14 we are a seller. We are as aggressive at trying to find
15 the best purchases, as we are when we do have capacity of
16 selling it. It's a matter of probably timing, whether we
17 are a greater buyer or seller. And I think right now we
18 are a greater purchaser.

19 Q Okay. And I may not have been clear in my
20 question. Do you expect, then, that your economy sales
21 in general would increase or decrease or remain about the
22 same as the current level?

23 A I really don't know.

24 Q Would the decline in sales over the broker
25 network reduce your concern or reduce the dollar impact?

1 A As I was --

2 Q Let me restate that.

3 Would it reduce your concern about the
4 appropriate separation factor used in separating the
5 transmission revenues by reducing the dollar impact?

6 A Well, my issue -- and that our company
7 continues to raise is, one of the theories of what
8 happens to any transmission revenue that the company
9 realizes, and so whether it's revenue from economy --
10 from the Florida broker transactions or revenues from
11 other schedules that we may sell under, like an
12 opportunity schedule or a power sales tariff, the issue
13 that I keep wanting to ensure is that we have appropriate
14 jurisdictional crediting of the -- of that as a
15 transmission revenue, and that it just not be treated as
16 generation.

17 So I tend to disagree that the lessening sales
18 under the broker is really what's at issue. The -- that
19 could change, I really don't know, the future of the
20 broker system; or the theory if one argued, well, it's
21 done this way for the broker, it ought to be done this
22 way for other economy transactions. That's my concern,
23 that we have consistent cost treatment with respect to
24 transmission revenues.

25 Q Okay. Looking at page three of your testimony,

1 I believe you discuss a settlement proposal regarding
2 Power Corp.'s open-access transmission tariffs, which are
3 currently under review by PERC; is that correct?

4 A Actually, we have got acceptance of that
5 settlement from PERC. The acceptance was issued in late
6 November, as I recall.

7 Q Okay. And this one -- hopefully, this question
8 might take us a little time to get through, since I am --
9 since the transmission language is fairly new to me.

10 But turning to page six of your testimony, in
11 your discussion in lines 3 through 12 -- well, actually
12 based on the discussion in lines 3 through 12, could you
13 run through maybe a simple numerical example showing the
14 mechanics of how the PERC ratemaking requirement causes
15 the 20 percent revenue shortfall?

16 A Yes, certainly. The -- and I would like to stay
17 with numbers that will add up to 100 here, I guess.

18 Q Okay.

19 A That would be the easiest --

20 Q That sounds good to me, too.

21 A -- to work with.

22 We are required to recognize revenues that we
23 receive for sales of non-firm transactions, economy,
24 opportunity, any of that. PERC Order 888 requires us to
25 recognize that revenue and book it as transmission

1 revenue on our books; that it is in a category of revenue
2 that can be classified as revenue, non-firm revenue
3 coming from making a non-firm transmission sale, if you
4 wish.

5 If Florida Power was to realize \$100 of
6 transmission sales during a period of time, that hundred
7 dollars is -- in ratemaking is to be credited to
8 customers who support the facilities that allowed you to
9 engage in that transaction. Those customers are what we
10 call our firm long-term customers. It's customers that
11 you have built the facilities for, you have planned the
12 facilities for them, it meets their capacity needs. You
13 have engaged in a responsibility of building facilities
14 to serve what we call firm customers. And I am talking
15 about transmission here, transmission system.

16 Whenever we make a sale, the sale can only be
17 accomplished if we have some generation facilities and
18 transmission facilities to deliver that power to an
19 entity.

20 The hundred dollars that we receive is actually
21 almost incremental revenue, because there is no cost that
22 the company's incurred when it makes a non-firm sale. It
23 makes a sale out of already existing capability,
24 capability that the firm customers weren't using.

25 If the firm customers were using the capability,

1 we could not have made the sale. So whenever we make a
2 sale, it's on a non-firm basis, it's using our customers'
3 capability that otherwise they weren't using. And the
4 ratemaking theory that has been endorsed by the PERC and
5 by this Commission and probably most all commissions
6 throughout the country, is one that the rate payers that
7 are supporting the investment -- that any revenues --
8 additional revenues you realize from them ought to go
9 toward reducing their cost of service.

10 So this hundred dollars that we would have
11 realized needs to go back in ratemaking to the customer
12 supporting the transmission system.

13 The firm customers of Florida Power Corp. and
14 firm transmission customers of Florida Power Corporation
15 are responsible for about 25 percent of Florida Power's
16 cost responsibility. They make up 25 percent of the load
17 on our transmission system at the time of our monthly
18 peaks.

19 Our retail customers' load makes up 75 percent
20 of the load responsibility at the time of our peaks. And
21 that's how they normally assign cost responsibility for
22 the transmission system. So this hundred dollars should
23 also go back to the two jurisdictional groups in
24 proportion to the way they had been assigned the cost.

25 So an example that I gave, the hundred dollars

1 in wholesale ratemaking, \$25 should go to wholesale
2 customers and \$75 to retail customers.

3 An order out of the Florida Public Service
4 Commission in January of '98, instructed utilities to do
5 something different with the transmission revenue from --
6 that's associated with economy sales. They said to put
7 that revenue -- treat it as if it was in a pot of dollars
8 that gets jurisdictionalized on a generation basis. On a
9 generation basis, the retail customers get 95 percent of
10 the revenue.

11 So we are in a situation where the Commission
12 has ordered that of this hundred dollars, \$95 should go
13 toward recognizing either base rates or lower fuel cost
14 of your retail customers. And the PERC ratemaking, we
15 have \$25 that is credited in rates of our wholesale
16 customers.

17 So the sum of \$95 and \$25 is \$120. That's more
18 than, obviously, the hundred dollars that we realized in
19 the sale of the transmission, non-firm transaction. So
20 it's as simple as that. It is as simple as the numbers I
21 demonstrate here.

22 Q Well, that was a good explanation, that at least
23 I could understand. Thank you.

24 A Sure.

25 Q Still, on page six of your testimony, on lines

1 17 through 19, you discuss the 80-20 sharing of gains on
2 economy sales?

3 A Yes.

4 Q How are you defining economy sales?

5 A These are the energy broker network sales, the
6 Florida broker sales.

7 Q Okay. So it's just those sales on the broker?

8 A Yes.

9 Q And not all economy sales in general?

10 A That's correct.

11 Q Okay. How are the revenues from non-broker
12 economy transactions currently being treated?

13 A The generation of revenues from such sales are
14 fully -- by fully, I mean 100 percent of the margin on
15 generation revenues from other than broker transaction
16 sales -- are being treated as a credit in calculating the
17 retail customer's fuel adjustment cost.

18 So 100 percent of the generation revenues are
19 being put in as a credit in the retail customer's --
20 their jurisdictional portion of that is 95 percent. So
21 they are getting 95 percent of the generation revenues.
22 The transmission revenues are recorded as transmission
23 revenues.

24 Most -- most, if not all of other transactions,
25 have been under agreements established since Order 888,

1 which requires the transaction have its transmission
2 service component taken under the company's open access
3 tariff. So there is a separate determination of the
4 transmission charges for other types of non-firm sales
5 that the company may engage in.

6 And that revenue is recorded as revenue related
7 to transmission, and is taken up in an analysis of the
8 company's jurisdictional revenues through jurisdictional
9 separation studies; or would be taken up in a rate
10 proceeding where it gets credited appropriately as a
11 transmission jurisdictional item in establishing of base
12 rates.

13 MR. KEATING: Do you mind if we go off the
14 record for a minute?

15 MR. McGEE: No.

16 THE WITNESS: No.

17 (Discussion off the record.)

18 BY MR. KEATING:

19 Q What types of economy sales does Florida Power
20 Corporation currently have?

21 A Yes, Mr. Keating. I think you can categorize
22 the economy sales that Florida Power engages in in three
23 groups.

24 The first group is that that transpires under
25 the Florida broker system. They are a match of

1 someone's -- of one utility's incremental cost versus
2 another utility's decremental cost, and the charge is
3 actually the average of the two prices.

4 That is typically under what we call interchange
5 schedules with other utilities, as a Schedule C
6 interchange schedule. That particular schedule is one
7 that Order 888 required utilities to unbundle the
8 revenues that it was realizing from the -- from the split
9 the savings charge that it was realizing out of the
10 transaction for the purpose of recognizing that a
11 transmission use was being made by the utility to be
12 comparable with any other entity that uses the
13 transmission system, that there ought to be identified a
14 transmission cost and revenue responsibility.

15 So Florida Power Corp., in compliance with
16 PERC's Order 888, filed on January 1st, 1997, to unbundle
17 its Schedule C so that the charge that it was realizing
18 could be booked as having a generation charge and a
19 transmission charge.

20 PERC did not require other non-firm coordination
21 sales that were in existence by the utility at the time
22 of Order 888 to be unbundled. It was only the Schedule C
23 that they had required to be unbundled. But the company
24 may engage in other non-firm transactions, such as an
25 emergency sale, which is a schedule A, or other various

1 schedules of interchange sales that might be called --
2 also a non-firm or economy -- a lingo of whether it's
3 economy or non-firm -- the idea, in my opinion, is it is
4 still capacity that the utility has that isn't committed
5 to, that it has an opportunity to make a sale with. And,
6 therefore, there can be some non-firm revenue coming in
7 on that. However, the -- no other schedules were
8 required to be unbundled.

9 PERC did require any new agreements, or new
10 transactions, new -- call them economy or non-firm sales
11 transactions to be unbundled when they were entered into.
12 And what I mean by unbundled, that they have a generation
13 charge and a transmission charge, and that the
14 transmission be provided under the utilities open-access
15 transmission tariff.

16 I somewhat deviated -- I started off with some
17 categories. Let me not leave that. The first category
18 being the Florida broker transaction sales that we have
19 unbundled our Schedule C before PERC to comply with Order
20 888. We have possibly other non-Florida broker sales
21 that may be under various interchange schedules, maybe
22 even using Schedule C. Sometimes Schedule C may not have
23 been exclusively for Florida broker purposes. But by and
24 large, that was the schedule being used for Florida
25 broker transactions. But any other use of Schedule C and

1 other interchange schedules, that -- those revenues were
2 not unbundled, and they are still being recorded as
3 generation-related revenues, and credited through the
4 fuel clause as wholly generation-related revenues.

5 The third category that I was leading to is, any
6 agreements entered into after Order 888, where the
7 company has established -- which the company has
8 established several rate tools for our power marketing
9 group to enter into, they can take -- the power sales
10 tool can be of the form of a power sales tariff that the
11 company has approved from the PERC of -- actually, we
12 have two types of power sales tariffs. One is at market
13 rates, and one is at cost based rates.

14 We also have added to many of our interchange
15 schedules a schedule called OS, which is -- OS stands for
16 opportunity sale, opportunity sale schedule. And that OS
17 schedule, as well as our power sales tariffs, require
18 that the entity wanting the power to be delivered, or the
19 seller of the power can arrange for the transmission to
20 be provided. But it has to be provided under Florida
21 Power's open access transmission tariff under the same
22 rates, terms and conditions as anybody else that's using
23 Florida Power's transmission system.

24 So we have separate billing and revenues
25 recorded for this last category of new transactions, and

1 we can label that new non-broker economy or non-firm
2 transactions -- whichever you want to call it -- as that
3 category.

4 Those -- that last category, the generation
5 component of the sale under the power sales tariff or
6 under the OS tariff, the generation revenue is fully
7 flowed and credited through the fuel clause.

8 The transmission revenue is recorded on the
9 company's books and is recognized in jurisdictional
10 separation cost analysis, or earnings, jurisdictional
11 surveillance earnings, or is recognized in establishing
12 base rates when there is a rate proceeding.

13 The company just completed a rate proceeding for
14 its wholesale customers in its transmission rates, and
15 recognized all of that additional transmission revenue,
16 or that -- what we record as transmission revenue under
17 those type of sales, as a credit in establishing the
18 stated rates for our wholesale firm transmission
19 customers. And for our retail customers, those revenues
20 are going to show up as a credit and show up as, you
21 might call it, a mathematically additional earnings by
22 the retail business in the company's surveillance
23 reports.

24 Does that help you?

25 Q I think it does, yes. Thank you.

1 A Okay.

2 MR. KEATING: Would you like to take a quick
3 break?

4 THE WITNESS: I am fine.

5 BY MR. KEATING:

6 Q Are you all right?

7 A Yes.

8 Q I didn't know if you wanted to get a glass of
9 water or something --

10 A I am fine.

11 Q -- being asked to go through that a couple
12 times.

13 Mr. Slusser, under the operation of Florida
14 Power Corporation's transmission tariff discussed on page
15 two and three of your testimony, is the actual amount of
16 the non-firm transmission revenues received ultimately
17 reflected in the rate charge to customers, or is the
18 projected amount reflected?

19 A The docket ER 97-4573, that was the most recent
20 docket establishing the wholesale transmission rates for
21 Florida Power Corporation, are -- the final result of
22 them are a settlement based on a fixed actual cost of
23 service point in time; that the company had proposed that
24 the rate be established as a formula rate and be
25 calculated as a projected charge and then trued up

1 subsequently, based on actual cost and actual loads.

2 We still have an interest in having a formula
3 rate for this kind of service to our wholesale customers.
4 However, in negotiations with our wholesale customers, we
5 conceded at this point in time continuing our pursuance
6 of a formula rate and agreed on a fixed stated rate. And
7 in the settlement establishing the stated rates, we
8 employed calendar year actual '96 cost and data,
9 including credits for non-firm transmission use from all
10 three types of transactions that I had described before
11 as a credit to the transmission cost of service in
12 establishing the wholesale transmission rates.

13 Q In response to interrogatory number 15, Florida
14 Power Corporation indicated that the difference between
15 the projected revenue credit based on the energy
16 allocation and the transmission allocation is \$180,000.

17 Does this calculation reflect only the broker
18 transaction, or does it include all economy transactions?

19 A That particular part of the response refers to
20 all economy transactions.

21 Q Okay.

22 MR. KEATING: Do you mind if we go off the
23 record again for a second?

24 MR. MCGEE: No.

25 MR. KEATING: Okay. Thank you.

1 (Discussion off the record.)

2 MR. KEATING: Back on the record again.

3 BY MR. KEATING:

4 Q Also in your response to interrogatory number
5 15, or Florida Power Corporation's response, you indicate
6 that the difference in the methods based on the actual
7 period April through September 1998 is \$16,215.

8 Does this difference reflect only broker
9 transactions or all economy transactions?

10 A Yes. Mr. Keating, the interrogatory
11 responses -- actually 13A demonstrate the actual -- the
12 actual amounts under the Florida broker that the company
13 realized from April through September of '98. And that
14 particular response shows a calculation of the difference
15 in, if all of the transmission revenue component was
16 flowed through the fuel clause as the Commission had
17 ordered this past year, versus the way that the company
18 is seeking the transmission revenue be treated as a
19 separate jurisdictional separation; that the impact for
20 the total of these six months, as it relates to just
21 Florida broker transactions, is only \$16,215.

22 Q I think I have just got a couple more
23 questions.

24 What type of administrative cost would be
25 involved in making the changes to the A and E schedules

1 to reflect using the demand allocator?

2 A We believe it would be very minimal
3 administrative costs. We aren't going to be adding any
4 personnel to do it. We just see this as just another
5 small calculation to be made in conjunction with the
6 preparation of the A schedules or the E schedules.

7 The fuel accounting group at Florida Power that
8 prepares the A schedules have a preference of
9 establishing the jurisdictional amount that the -- that
10 the transmission -- the transmission revenue credit that
11 should go to the retail jurisdiction, their desire is to
12 calculate that off-line very much like interrogatory 13-A
13 on column E does it, and insert that in a line item as a
14 system credit to the fuel cost. And by doing it this
15 way, mathematically, you're -- one is getting the right
16 result and answer.

17 In other words, if you studied exhibit --
18 interrogatory 13-A, you will find that the company took
19 the transmission component of revenue and
20 jurisdictionalized it first by multiplying it by the
21 retail transmission responsibility, which right now is 75
22 percent. And it's been 75 percent for a number of years,
23 very close to that.

24 And then it grosses it up -- I call it grossing
25 it up, by the jurisdictional factor that's inherent in

1 the fuel clause, which is a separation based on energy
2 or -- yes, based on energy. So the amount that was to
3 get to the retail business is calculated off-line and
4 then grossed up by the way the fuel clause would separate
5 it. And you have a -- an amount that is proper
6 mathematically, to put as a system line item, as a
7 credit; so that when it flows through and then that
8 amount ends up being jurisdictionalized, you are getting
9 the exact credit that the retail is responsible for or
10 should get.

11 That's the preference that our fuel accounting
12 people would like. If that's not clear, I would like to
13 try that again, because it is important for them to do
14 that. And maybe I need to get out an A schedule to help
15 explain that.

16 Q I think --

17 MR. MCGEE: We could do this off the record.

18 BY MR. KEATING:

19 Q Yeah. I think what I was, really just wanted to
20 get at was what sort of costs would be involved in doing
21 it.

22 A We feel very minimal costs, very minimal.

23 Q Okay. So it wouldn't involve hiring additional
24 personnel. So it would just be the cost of time, I
25 guess, for the personnel you have to --

1 revenues in the jurisdictional reports made to the
2 Commission. We haven't had a -- we settled our wholesale
3 transmission tariff with the level of transactions that
4 were occurring in 1996.

5 To the extent that we have -- have more
6 transactions than we had of that type in 1996, then you
7 might argue that in wholesale rates they haven't been
8 totally reflected. But they were reflected for the level
9 of non-firm -- all non-firm transactions the company was
10 engaged in in 1996.

11 MR. BURGESS: Jim, this is -- I am going to
12 recognize that this is a little bit of a legal
13 question, and that I am going to ask Mr. Slusser.
14 But I want to know under what authority you crediting
15 fuel, crediting base rates for this instead of fuel,
16 what authority exists. In other words, what made you
17 decide to run this as a revenue credit in base rates
18 for the jurisdictional portion, as opposed to the way
19 that you intend to continue to credit the broker
20 sales transmission rate?

21 MR. MCGEE: Steve, can he answer that in terms
22 of why he thinks it's proper for him to do that?

23 MR. BURGESS: Absolutely.

24 THE WITNESS: Well, thank you, Jim.

25 I not only think it's proper, but we have had,

1 over the years, other non-firm transmission
2 transactions that we have recorded revenues for, that
3 have always been treated in base ratemaking; either
4 before PERC or before the Florida Public Service
5 Commission. That is the traditional approach that,
6 when a -- whenever you have identified functional
7 revenues that you realize, that they are taken into
8 account in establishing the base rates when base
9 rates are established. I am not aware of any
10 situation that we had had recorded transmission
11 revenues where those recorded transmission revenues
12 would have been treated any other way. That has
13 always been the practice before PERC. That is
14 traditional ratemaking by a regulatory body.

15 And I can state that we have had other -- it's
16 no different than other charges for transmission use
17 that we make by others on our system. We have, what
18 I call, wheeling through our system. If there is a
19 transaction between Tampa Electric and Tallahassee,
20 they use our system. That is recorded transmission
21 revenue that is treated in base ratemaking before
22 both PERC and Florida Public Service Commission.

23 BY MR. BURGESS:

24 Q Now --

25 A That is the practice.

1 Q And from what you are saying, it sounds like
2 that the broker sales will be a departure from that,
3 because you will be charging a separate transmission
4 factor associated with broker sales. And yet, those will
5 continue to go through credit, revenue credit in the fuel
6 adjustment clause.

7 A Okay. I indicated that where we in the future
8 are moving toward having a totally separate additional
9 transmission charge, I don't believe that that should go
10 through the fuel clause. I think that should be treated
11 as a credit in base ratemaking.

12 I did say, for the purposes of the intent of the
13 Florida broker revenues, that to get -- I think the
14 Commission's desire was, to the extent practicable, treat
15 those revenues -- to the extent practicable the way they
16 were benefiting customers before, that that is a position
17 the company is taking on those transmission revenues.
18 And we are willing -- because it was credited before as a
19 generation credit through the fuel clause, even though
20 it's transmission, we are willing, to the extent
21 practicable -- keep those revenues going through the fuel
22 clause, but first jurisdictionalize them properly.

23 Q Let me use a numerical example and see if I
24 understand whether a particular transaction would take
25 place with these new post-Order 888 non-broker economy

1 sales?

2 A Okay.

3 Q So let's say we enter into some of those; if
4 your fuel cost is 100, and you have a willing buyer at
5 105, and your transmission cost is 10, would you make
6 that sale?

7 A Well, first the -- most often the buyer must --
8 I shouldn't say must. But we prefer that the buyer
9 arrange the transmission. That's a preference.

10 Q But arrange what transmission?

11 A If Tampa Electric was wanting to buy from
12 Florida Power Corp., Tampa Electric would need to make
13 transmission arrangements to buy that power. And so it
14 knows it's going to be charged -- in your example, was it
15 10 for transmission?

16 Q Yes.

17 A And it is going to get a generation bid from
18 Florida Power of 105. So if Tampa Electric wants to make
19 that purchase, it is going to get two billings. It is
20 going to get a bill for 105, and it is going to get a
21 bill for 10.

22 Q Okay. I have not communicated well. Your
23 next -- your incremental fuel cost as a seller is 100.
24 TECO's decremental fuel cost is a 105. Based strictly on
25 fuel, the transaction would take place.

1 A I am with you.

2 Q Now, suppose transmission is 10. Does that
3 undermine the sale, does that mean now this sale will not
4 take place, even though 10 is a phantom cost? It
5 doesn't -- it's not an incremental cost to the total
6 system cost at all?

7 A Well, to the extent that Tampa Electric would be
8 subject to more charges than its own incremental cost,
9 the deal wouldn't occur, that's correct.

10 Q In other words, you would not be free to say,
11 well, our total cost is only 100, so we will just arrange
12 it this way; we will separate out 10 as the transmission
13 cost, and we will just charge you 90 for the fuel?

14 A You see, that's countering what Order 888 is
15 trying to accomplish. It's unbundling the company.

16 Transmission is a separate service from
17 generation. And the transmission is to charge its 10,
18 because it has that responsibility to collect that and
19 benefit its other transmission customers.

20 The generation entity has got to -- it's not
21 prudent for them to sell below their incremental costs.
22 In fact, I don't think they -- they are allowed to sell.

23 Q That's my question. That is exactly my
24 question.

25 A They would not sell below their incremental

1 costs.

2 Q Below the incremental energy cost, it will not
3 happen?

4 A The generation component will not.

5 Q So an economic transaction will not take place
6 under certain circumstances?

7 A Well, I see the economics there a little
8 different maybe than you do, because you have ignored
9 there is a transmission cost there. You are saying the
10 only cost is an incremental generation cost. I am saying
11 there is both a generation cost and a transmission cost.

12 Q I understand. I understand.

13 The transmission has already been fully covered,
14 though, this other way, is my only point of that.

15 I am just trying to find out what the -- what
16 Power Corp.'s policy is on that. I am really not taking
17 issue as to that propriety of whether that sale should
18 take place or not. I just wanted to find out whether it
19 does.

20 And you are saying, no, it cannot happen?

21 A That's correct. When we unbundle our economy
22 schedule, we said that we would not engage in a
23 transaction where the transmission charge, itself,
24 exceeded -- or the margin was less than our transmission
25 charge. The company definitely has that practice that

1 it's not going to have a negative margin.

2 Q I want to also ask about -- you are familiar
3 with an issue that -- perhaps you are not -- that has
4 been raised as a concern of Public Counsel, that this
5 position may exceed the bounds of the reconsideration,
6 itself. Are you familiar with that?

7 A (Witness shakes head in the negative.)

8 Q Okay. Well, then, let me just put it this way,
9 is -- was it your understanding that the initial order
10 from which this reconsideration was taken authorized the
11 treatment of allowing transmission revenue, separated
12 transmission revenue to go through as a base rate credit
13 as opposed to a fuel adjustment credit?

14 A Well, my understanding, that's not an issue.
15 The issue is the treatment of the transmission component
16 of broker transactions. That's my understanding of this
17 proceeding.

18 Q The entire proceeding, including the original
19 proceeding?

20 A Well, the original proceeding has evolved to
21 just this proceeding. That's all that remains. And the
22 issues in this proceeding are the treatment of the
23 transmission revenue associated with broker transactions.

24 Q But didn't Power Corp.'s reconsideration
25 acknowledge that transmission revenues that are broken

1 out are properly credited in the fuel cost recovery
2 docket?

3 A I am not aware of that.

4 Q Okay.

5 A I do not recall that.

6 Q Don't worry. It would be a legal argument if it
7 comes down to it. I just wanted to know if you are aware
8 of that.

9 MR. BURGESS: Those are all the questions I
10 have. Thank you.

11 THE WITNESS: Sure, Mr. Burgess. Okay.

12 MR. KEATING: I don't have anything else.

13 MR. MCGEE: None for me.

14 (Whereupon, the deposition was concluded at
15 3:25 p.m., and reading and signing by the witness was not
16 waived.)

TRANSCRIPT CERTIFICATE

STATE OF FLORIDA)

COUNTY OF LEON)

I, DEBRA R. KRICK, Court Reporter, hereby certify that the foregoing transcript was taken down as stated in the caption, and the questions and answers thereto were reduced to typewriting under my direction;

That the foregoing pages 4 through 32 represent a true, correct, and complete transcript of the evidence given upon said hearing;

And I further certify that I am not of kin or counsel to the parties in the case; am not in the regular employ of counsel for any of said parties; nor am I in anywise interested in the result of said case.

Dated this 2nd day of February, 1999.



DEBRA R. KRICK

Court Reporter and Notary Public
State of Florida at Large

DEPOSITION OF SLUSSER 1/21/99 IN RE: FUEL AND PURCHASED POWER, ETC.

<p>\$</p> <p>\$100 (n) 10:5 \$120 (n) 12:17 \$16,215 (n) 21:7,21 \$180,000 (n) 20:16 \$25 (n) 12:1,15,17 \$75 (n) 12:2 \$95 (n) 12:12,17</p>	<p>actually (n) 6:14 9:4,11 10:20 15:3 17:11 21:11 24:22 add (n) 9:17 added (n) 17:14 adding (n) 22:3 additional (n) 11:8 18:15,21 23: 23 27:8 adjustment (n) 13:17 27:6 31: 13</p>	<p>both (n) 26:22 30:11 boulevard (n) 1:16 bounds (n) 31:5 box (n) 2:8 break (n) 19:3 broken (n) 31:25 broker (n) 4:21 5:1,10,20,22 6: 1,7,11,15,19 7:2,6,8,24 8:10, 18,20,21 13:5,6,7,15 14:25 16: 18,20,23,25 20:17 21:8,12,21 25:19 27:2,4,13 31:16,23 building (n) 10:13 built (n) 10:11 burgess (n) 3:5 24:12,15 25:11, 23 26:23 32:9,11 business (n) 5:15 18:22 23:3 buy (n) 28:11,13 buyer (n) 7:17 28:4,7,8</p>	<p>18:5 21:15 22:19 30:4 31:15 conceded (n) 20:5 concern (n) 7:25 8:3,22 31:4 concluded (n) 32:14 conditions (n) 17:22 conjunction (n) 22:5 consistent (n) 8:23 consummated (n) 6:14 continue (n) 6:8 25:19 27:5 continues (n) 8:7 continuing (n) 20:5 coordination (n) 15:20 copies (n) 5:18 corp (n) 2:19 7:12 11:13 15:15 28:12 corp.'s (n) 9:2 30:16 31:24 corporation (n) 2:6 7:1 11:14 14:20 19:21 20:14 corporation's (n) 7:9 19:14 21: 5</p>
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<p>T</p> <p>table (4) 5:17,19,24,25 tallahassee (4) 1:17,22 2:5 26:19 tampa (5) 26:19 28:11,12,18 29:7 tariff (9) 8:12 14:3 16:15 17:10,21 18:5,6 19:14 25:3 tariffs (3) 9:2 17:12,17 teco's (1) 28:24 tend (1) 8:17 terms (2) 17:22 25:21 testified (1) 4:6 testimony (5) 4:16 8:25 9:10 12:25 19:15 theories (1) 8:7 theory (3) 4:23 8:20 11:4 therefore (1) 16:6 thereto (1) 33:7 thinks (1) 25:22 third (1) 17:5 though (3) 27:19 29:4 30:14 three (5) 7:3 8:25 14:22 19:15 20:10 throughout (1) 11:6 timing (1) 7:16 todd (1) 2:17 took (1) 22:18 tool (1) 17:10 tools (1) 17:8 total (3) 21:20 29:5,11 totally (2) 25:8 27:8 toward (3) 11:9 12:13 27:8 traditional (2) 26:5,14 transaction (12) 10:9 12:19 13:15 14:1 15:10 16:18 20:18 26:19 27:24 28:25 30:5,23 transactions (34) 4:18,20,21 5:11 6:1,5,14,16 7:5,7 8:10,22 9:23 13:12,24 15:24 16:10,11,25 17:25 18:2 20:10,18,20 21:9,9,21 24:24 25:3,6,9 26:2 31:16,23 transcript (3) 33:1,5,9 transmission (93) 4:19,24 5:2,3 6,7,12,15 8:5,8,15,24 9:2,9,25 10:3,6,15,15,18 11:12,14,17,22 12:5,19 13:22,22 14:1,4,7,11 15:11,13,14,19 16:13,14,15 17:19,21,23 18:8,14,15,16,18 19:14,16,20 20:9,11,12,16 21:15,18 22:10,10,19,21 24:16,17 25:3,20 26:1,10,11,16,20 27:3,9,17,20 28:5,9,10,13,15 29:2,12,16,17,19 30:9,11,13,23,24 31:11,12,15,23,25 transmission-related (1) 4:17 transpires (1) 14:24 treat (2) 12:7 27:14 treated (10) 5:13,13 8:15 13:12,16 21:18 26:3,12,21 27:10 treatment (5) 8:23 24:17 31:11,15,22 true (1) 33:9 trued (1) 19:25 truth (3) 4:5,5,6 try (1) 23:13 trying (3) 7:14 29:15 30:15 turning (1) 9:10 two (5) 11:23 15:3 17:12 19:15 28:19 type (5) 5:5 18:17 21:24 24:23 25:6 types (4) 14:4,19 17:12 20:10</p>	<p>ultimately (1) 19:16 unbundle (3) 15:7,16 30:21 unbundled (7) 15:22,23 16:8,11,12,19 17:2 unbundling (1) 29:15 under (20) 8:11,18 9:3 13:25 14:2,24 15:4 16:14,21 17:20,21 18:5,6,16 19:13 21:12 25:14 30:6 33:7 34:14 undermine (1) 29:3 understand (4) 12:23 27:24 30:12,12 understanding (5) 5:25 7:4 31:9,14,16 up (14) 9:17 11:16,19 14:7,9 18:20,20 19:25 22:24,25 23:4,8 24:6,22 uses (1) 15:12 using (7) 10:24,25 11:2,3 16:22 17:22 22:1 utilities (6) 6:13,21 12:4 15:5,7 16:14 utility (3) 15:11,21 16:4 utility's (2) 15:1,2</p>
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W	
<p>waived (1) 32:16 wanted (4) 19:8 23:19 30:18 32:7 wanting (3) 8:13 17:18 28:11 wants (1) 28:18 water (1) 19:9 way (12) 8:21,22 11:24 21:17 22:15 23:4 25:18 26:12 27:15 29:12 30:14 31:8 ways (1) 6:21 west (1) 2:11 wheeling (1) 26:18 whenever (3) 10:16 11:1 26:6 whereupon (2) 4:2 32:14 whether (6) 7:16 8:9 16:2 27:24 30:17,18 whichever (1) 18:2 whole (1) 4:5 wholesale (11) 12:1,1,15 18:14,18 19:20 20:3,4,12 25:2,7 wholly (1) 17:4 wieland (1) 2:19 will (14) 6:25 9:17 22:18 24:25 27:2,3,4 29:3,11,12,13 30:2,4,5 william (3) 3:3 4:3 34:2 willing (3) 27:18,20 28:4 wish (1) 10:4 witness (7) 4:4 14:16 19:4 25:24 31:7 32:11,15 words (3) 22:17 25:16 29:10 work (1) 9:21 worry (1) 32:6</p>	<p>waived (1) 32:16 wanted (4) 19:8 23:19 30:18 32:7 wanting (3) 8:13 17:18 28:11 wants (1) 28:18 water (1) 19:9 way (12) 8:21,22 11:24 21:17 22:15 23:4 25:18 26:12 27:15 29:12 30:14 31:8 ways (1) 6:21 west (1) 2:11 wheeling (1) 26:18 whenever (3) 10:16 11:1 26:6 whereupon (2) 4:2 32:14 whether (6) 7:16 8:9 16:2 27:24 30:17,18 whichever (1) 18:2 whole (1) 4:5 wholesale (11) 12:1,1,15 18:14,18 19:20 20:3,4,12 25:2,7 wholly (1) 17:4 wieland (1) 2:19 will (14) 6:25 9:17 22:18 24:25 27:2,3,4 29:3,11,12,13 30:2,4,5 william (3) 3:3 4:3 34:2 willing (3) 27:18,20 28:4 wish (1) 10:4 witness (7) 4:4 14:16 19:4 25:24 31:7 32:11,15 words (3) 22:17 25:16 29:10 work (1) 9:21 worry (1) 32:6</p>
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<p>year (2) 20:8 21:17 years (4) 5:23 7:3 22:22 26:1</p>	<p>year (2) 20:8 21:17 years (4) 5:23 7:3 22:22 26:1</p>

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power
Cost Recovery Clause and
Generating Performance
Incentive Factor.

Docket No. 990001-EI

Submitted for filing:
January 07, 1999

**FLORIDA POWER CORPORATION'S RESPONSE TO STAFF'S THIRD
SET OF INTERROGATORIES TO
FLORIDA POWER CORPORATION (NOS. 13-15)**

Florida Power Corporation ("FPC") hereby responds to Staff's Third Set of Interrogatories (Nos. 13-15), propounded December 10, 1998.

INTERROGATORIES

13. For the purpose of answering the following two interrogatories, assume that the Commission orders transmission revenues received in conjunction with economy EBN transactions to be allocated based upon the jurisdictional factor for transmission services:

a) indicate how the Commission should amend its Schedule A1 through Schedule A9 to show the impact of its order; and

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b) indicate how the Commission should amend its Schedule E1 through Schedule E9 to show the impact of its order.

Response:

- a) Florida Power Corporation would propose not to amend any parts of Schedules A1 through A9. Rather, the broker savings on Schedule A6 (Short-term energy sales) will already be adjusted for the transmission component of EBN broker savings. The calculation would be performed off-line as shown on the attached schedule. The adjusted credit would then be flowed back in the same manner that occurs currently.
- b) Florida Power Corporation would propose amending Schedule E6 to break out the refundable EBN Transmission revenues (see E6 schedule attached). The EBN transmission revenues would also be reflected on a separate line (after the retail/wholesale allocation) on Schedule E1 (see line 27a of the E1 schedule attached).

Staff's Third Set of Interrogatories To Florida Power Corporation.
Docket No. 980001-EI (Transmission Reconsideration)
Interrogatory # 13b

SCHEDULE E1

FLORIDA POWER CORPORATION
FUEL AND PURCHASED POWER COST RECOVERY CLAUSE
ESTIMATED FOR THE PERIOD OF: APRIL 1998 THROUGH SEPTEMBER 1998

	DOLLARS	MWH	CENTS/KWH
1. Fuel Cost of System Net Generation	246,483,156	14,463,054	1.70423
2. Spent Nuclear Fuel Disposal Cost	2,870,107	3,069,633 *	0.09350
3. Nuclear Fuel Replacement Cost	0	0	0.00000
4. Adjustment to Fuel Cost	1,891,000	0	0.00000
5. TOTAL COST OF GENERATED POWER	251,244,263	14,463,054	1.73715
6. Energy Cost of Purchased Power (Excl. Econ & Cogens) (E7)	21,484,690	1,197,350	1.79435
7. Energy Cost of Sch. C,X Economy Purchases (Broker) (E9)	16,709,910	610,000	2.73933
8. Energy Cost of Economy Purchases (Non-Broker) (E9)	1,485,854	43,800	3.39236
9. Energy Cost of Schedule E Economy Purchases (E9)	0	0	0.00000
10. Capacity Cost of Economy Purchases (E9)	0	0	0.00000
11. Payments to Qualifying Facilities (E8)	83,252,679	4,021,143	2.07037
12. TOTAL COST OF PURCHASED POWER	122,933,133	5,872,293	2.09344
13. TOTAL AVAILABLE KWH		20,335,347	
14. Fuel Cost of Economy Sales (E6)	(5,027,600)	(300,000)	1.67587
14a. Gain on Economy Sales - 80% (E6)	(643,200)	(300,000) *	0.21440
15. Fuel Cost of Other Power Sales (E6)	0	0	0.00000
15a. Gain on Other Power Sales (E6)	0	0	0.00000
15b. Fuel Cost of Unit Power Sales (E6)	0	0	0.00000
16a. Gain on Unit Power Sales (E6)	0	0	0.00000
17. Fuel Cost of Stratified Sales (E6)	(9,883,064)	(491,211)	2.01198
18. TOTAL FUEL COST AND GAINS ON POWER SALES	(15,553,864)	(791,211)	1.96583
19. Net Inadvertent Interchange		0	
20. TOTAL FUEL AND NET POWER TRANSACTIONS	358,623,532	19,544,136	1.83494
21. Net Unbilled	10,797,257	(588,425)	0.06080
22. Company Use	1,667,962	(90,900)	0.00940
23. T & D Losses	20,179,149	(1,099,716)	0.11360
24. Adjusted System KWH Sales	358,623,532	17,765,095	2.01874
25. Wholesale KWH Sales (Excluding Supplemental Sales)	(12,178,897)	(603,602)	2.01770
26. Jurisdictional KWH Sales	346,444,635	17,161,493	2.01873
27. Jurisdictional KWH Sales Adjusted for Line Losses x 1.0016	346,998,946	17,161,493	2.02196
27a. EBN Transmission Revenues	(540,000)	17,161,493	(0.00315)
28. Prior Period True-Up (E1-B, Sheet 1)**	(2,007,311)	17,161,493	(0.01170)
28a. Market Price True-Up **	0	17,161,493	0.00000
28b. Nuclear Replacement Cost (E1-C)	18,371,207	17,161,493	0.10705
29. Total Jurisdictional Fuel Cost	362,822,842	17,161,493	2.11416
30. Revenue Tax Factor			1.00083
31. Fuel Cost Adjusted for Taxes	363,123,985	17,161,493	2.11591
32. GPIF **	1,172,147	17,161,493	0.00683
33. Fuel Factor Adjusted for taxes including GPIF	364,296,132	17,161,493	2.12274
34. Total Fuel Cost Factor (rounded to the nearest .001 cents/ KWH)			2.123

* For Informational Purposes Only

** Based on Jurisdictional Sales

Staff's Third of Interrogatories To Florida Power Corporation.
Docket No. 98001-EI (Transmission Reconsideration)
Interrogatory # 13b

SCHEDULE E6

FLORIDA POWER CORPORATION - FUEL COST OF POWER SOLD
ESTIMATED FOR THE PERIOD OF: APR-98 THROUGH SEP-98

(1) MONTH	(2) SOLD TO	(3) TYPE & SCHEDULE	(4) TOTAL KWH SOLD	(5) KWH WHEELED FROM OTHER SYSTEMS	(6) KWH FROM OWN GENERATION	(7) C/KWH			(8) FUEL COST \$ (6)x(7A)	(9) TOTAL COST \$ (6)x(7C-7B) (Excl Trans Rev)	(10) REFUNDABLE GAIN ON POWER SALES \$ (9)-(8)x(80%)	(11) REFUNDABLE TRANSMISSION REVENUES \$ (6)x(7B)x(80%)x(75%)
						(A) FUEL COST	(B) TRANS REVENUE	(C) TOTAL COST				
Apr-98	ECONSALE	C	20,000,000		20,000,000	1.568	0.300	2.136	313,600	367,200	42,880	36,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	48,764,000		48,764,000	1.786	0.000	1.786	871,000	871,000	0	0
	TOTAL		68,764,000		68,764,000	1.723	---	1.888	1,184,600	1,238,200	42,880	36,000
May-98	ECONSALE	C	40,000,000		40,000,000	1.515	0.300	2.083	606,000	713,200	85,760	72,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	25,011,000		25,011,000	1.767	0.000	1.767	442,063	442,063	0	0
	TOTAL		65,011,000		65,011,000	1.612	---	1.962	1,048,063	1,155,263	85,760	72,000
Jun-98	ECONSALE	C	40,000,000		40,000,000	1.528	0.300	2.096	611,200	718,400	85,760	72,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	20,852,000		20,852,000	2.141	0.000	2.141	446,394	446,394	0	0
	TOTAL		60,852,000		60,852,000	1.738	---	2.111	1,057,594	1,164,794	85,760	72,000
Jul-98	ECONSALE	C	80,000,000		80,000,000	1.758	0.300	2.326	1,406,400	1,620,800	171,520	144,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	87,869,000		87,869,000	2.047	0.000	2.047	1,798,578	1,798,578	0	0
	TOTAL		167,869,000		167,869,000	1.909	---	2.180	3,204,978	3,419,378	171,520	144,000
Aug-98	ECONSALE	C	60,000,000		60,000,000	1.814	0.300	2.382	1,088,400	1,249,200	128,640	108,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	136,981,000		136,981,000	1.987	0.000	1.987	2,721,827	2,721,827	0	0
	TOTAL		196,981,000		196,981,000	1.934	---	2.107	3,810,227	3,971,027	128,640	108,000
Sep-98	ECONSALE	C	60,000,000		60,000,000	1.670	0.300	2.238	1,002,000	1,162,800	128,640	108,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	171,734,000		171,734,000	2.098	0.000	2.098	3,603,202	3,603,202	0	0
	TOTAL		231,734,000		231,734,000	1.987	---	2.134	4,605,202	4,766,002	128,640	108,000
Apr-98 THRU Sep-98	ECONSALE	C	300,000,000		300,000,000	1.676	0.300	2.244	5,027,600	5,831,600	643,200	540,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	491,211,000		491,211,000	2.012	0.000	2.012	9,883,064	9,883,064	0	0
	TOTAL		791,211,000		791,211,000	1.885	---	2.100	14,910,664	15,714,664	643,200	540,000

14. **Could Florida Power Corporation's retail jurisdiction separation factor for transmission services be greater than its retail jurisdiction factor for generation service? If so, provide an example.**

Response:

It is unlikely that the retail jurisdictional factor for transmission services would be greater than for generation services. However, it is conceivable that this situation could occur if wholesale generation customers could by-pass the Company's transmission system. For example, a wholesale entity could construct its own transmission line to directly connect and receive power from a FPC generating resource. If this were the only wholesale transaction and represented 5% of FPC's generation sales, the retail jurisdictional factor for transmission service would be 100% and the retail jurisdictional factor for generation service would be 95%.

15. Using the projected fuel and purchased power cost recovery period April through September, 1998, show the calculation of the revenue credit to the fuel clause for transmission and energy related revenues from broker economy transactions based on the method proposed in the prefiled testimony of William C. Slusser. (i.e. separated on both a 12 CP transmission basis and on an energy basis). Please show the same calculation assuming that all the revenues are credited on an energy basis.

Response:

The calculations are shown on the attached sheets.

The results are as follows:

Credit based on 12 CP allocation for transmission:	\$1,183,200
Credit based on energy allocation (as filed):	<u>\$1,363,200</u>
Difference before retail/wholesale allocation:	(\$ 180,000)
Difference after retail/wholesale allocation:	(\$ 155,920)

Please note that the April – September 1998 projection of economy sales (ECONSALE on schedule E-6) includes EBN broker sales as well as non-broker sales. EBN broker sales typically are only 10% of total economy sales on an actual basis. For reporting of actual sales, non-broker sales are reported on Schedule A1, lines 15 and 15a.

The difference in gains for the two allocation methods on an actual basis for the April-September 1998 period is \$16,215 (see attachment to interrogatory 13a).

Staff's Third of Interrogatories To Florida Power Corporation.
Docket No. 980001-EI (Transmission Reconsideration)
Interrogatory # 13b

SCHEDULE E6

(12 CP Transmission Basis)

FLORIDA POWER CORPORATION - FUEL COST OF POWER SOLD

ESTIMATED FOR THE PERIOD OF: APR-98 THROUGH SEP-98

(1) MONTH	(2) SOLD TO	(3) TYPE & SCHEDULE	(4) TOTAL KWH SOLD	(5) KWH WHEELED FROM OTHER SYSTEMS	(6) KWH FROM OWN GENERATION	(7) C/KWH			(8) FUEL COST \$ (6)x(7A)	(9) TOTAL COST \$ (6)x(7C-7B) (Excl Trans Rev)	(10) REFUNDABLE GAIN ON POWER SALES \$ (9)-(8)x(80%)	(11) REFUNDABLE TRANSMISSION REVENUES \$ (6)x(7B)x(80%)x(75%)
						(A) FUEL COST	(B) TRANS REVENUE	(C) TOTAL COST				
Apr-98	ECONSALE	C	20,000,000		20,000,000	1.568	0.300	2.136	313,600	367,200	42,880	36,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	48,764,000		48,764,000	1.786	0.000	1.786	871,000	871,000	0	0
	TOTAL		68,764,000		68,764,000	1.723	---	1.888	1,184,600	1,238,200	42,880	36,000
May-98	ECONSALE	C	40,000,000		40,000,000	1.515	0.300	2.083	606,000	713,200	85,760	72,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	25,011,000		25,011,000	1.767	0.000	1.767	442,063	442,063	0	0
	TOTAL		65,011,000		65,011,000	1.612	---	1.962	1,048,063	1,155,263	85,760	72,000
Jun-98	ECONSALE	C	40,000,000		40,000,000	1.528	0.300	2.096	611,200	718,400	85,760	72,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	20,852,000		20,852,000	2.141	0.000	2.141	446,394	446,394	0	0
	TOTAL		60,852,000		60,852,000	1.738	---	2.111	1,057,594	1,164,794	85,760	72,000
Jul-98	ECONSALE	C	80,000,000		80,000,000	1.758	0.300	2.326	1,406,400	1,620,800	171,520	144,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	87,869,000		87,869,000	2.047	0.000	2.047	1,798,578	1,798,578	0	0
	TOTAL		167,869,000		167,869,000	1.909	---	2.180	3,204,978	3,419,378	171,520	144,000
Aug-98	ECONSALE	C	60,000,000		60,000,000	1.814	0.300	2.382	1,088,400	1,249,200	128,640	108,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	136,981,000		136,981,000	1.987	0.000	1.987	2,721,827	2,721,827	0	0
	TOTAL		196,981,000		196,981,000	1.934	---	2.107	3,810,227	3,971,027	128,640	108,000
Sep-98	ECONSALE	C	60,000,000		60,000,000	1.670	0.300	2.238	1,002,000	1,162,800	128,640	108,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	171,734,000		171,734,000	2.098	0.000	2.098	3,603,202	3,603,202	0	0
	TOTAL		231,734,000		231,734,000	1.987	---	2.134	4,605,202	4,766,002	128,640	108,000
Apr-98 THRU Sep-98	ECONSALE	C	300,000,000		300,000,000	1.676	0.300	2.244	5,027,600	5,831,600	643,200	540,000
	SALE OTHER	--	0		0	0.000	0.000	0.000	0	0	0	0
	STRATIFIED	--	491,211,000		491,211,000	2.012	0.000	2.012	9,883,064	9,883,064	0	0
	TOTAL		791,211,000		791,211,000	1.885	---	2.100	14,910,664	15,714,664	643,200	540,000

Staff's Third Set of Interrogatories To Florida Power Corporation.

- Docket No. 980001-EI (Transmission Reconsideration)
Interrogatory # 15

(Energy Basis)

SCHEDULE E6

**FLORIDA POWER CORPORATION
FUEL COST OF POWER SOLD
ESTIMATED FOR THE PERIOD OF: APR-98 THROUGH SEP-98**

(1) MONTH	(2) SOLD TO	(3) TYPE & SCHEDULE	(4) TOTAL KWH SOLD	(5) KWH WHEELED FROM OTHER SYSTEMS	(6) KWH FROM OWN GENERATION	(7) C/KWH		(8) TOTAL \$ FOR FUEL ADJ (6) x (7)(A)	(9) TOTAL COST \$ (6) x (7)(B)	(10) REFUNDABLE GAIN ON POWER SALES \$
						(A) FUEL COST	(B) TOTAL COST			
						Apr-98	ECONSALE			
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	48,764,000		48,764,000	1.786	1.786	871,000	871,000	0
	TOTAL		68,764,000		68,764,000	1.723	1.888	1,184,600	1,298,200	90,880
May-98	ECONSALE	C	40,000,000		40,000,000	1.515	2.083	606,000	833,200	181,760
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	25,011,000		25,011,000	1.767	1.767	442,063	442,063	0
	TOTAL		65,011,000		65,011,000	1.612	1.962	1,048,063	1,275,263	181,760
Jun-98	ECONSALE	C	40,000,000		40,000,000	1.528	2.096	611,200	838,400	181,760
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	20,852,000		20,852,000	2.141	2.141	446,394	446,394	0
	TOTAL		60,852,000		60,852,000	1.738	2.111	1,057,594	1,284,794	181,760
Jul-98	ECONSALE	C	80,000,000		80,000,000	1.758	2.326	1,406,400	1,860,800	363,520
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	87,869,000		87,869,000	2.047	2.047	1,798,578	1,798,578	0
	TOTAL		167,869,000		167,869,000	1.909	2.180	3,204,978	3,659,378	363,520
Aug-98	ECONSALE	C	60,000,000		60,000,000	1.814	2.382	1,088,400	1,429,200	272,640
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	136,981,000		136,981,000	1.987	1.987	2,721,827	2,721,827	0
	TOTAL		196,981,000		196,981,000	1.934	2.107	3,810,227	4,151,027	272,640
Sep-98	ECONSALE	C	60,000,000		60,000,000	1.670	2.238	1,002,000	1,342,800	272,640
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	171,734,000		171,734,000	2.098	2.098	3,603,202	3,603,202	0
	TOTAL		231,734,000		231,734,000	1.987	2.134	4,605,202	4,946,002	272,640
Apr-98 THRU Sep-98	ECONSALE	C	300,000,000		300,000,000	1.676	2.244	5,027,600	6,731,600	1,363,200
	SALE D	D	0		0	0.000	0.000	0	0	0
	SALE OTHER	-	0		0	0.000	0.000	0	0	0
	STRATIFIED	-	491,211,000		491,211,000	2.012	2.012	9,883,064	9,883,064	0
	TOTAL		791,211,000		791,211,000	1.885	2.100	14,910,664	16,614,664	1,363,200

EXHIBIT NO. _____

DOCKET NO: 990001-EI

WITNESS: SUSAN D. RITENOUR

PARTY: GULF POWER COMPANY

DESCRIPTION: DEPOSITION OF SUSAN D.
RITENOUR TAKEN ON JANUARY
21, 1999

PROFERRED BY: STAFF

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO. 7
COMPANY: Staff
WITNESS: Staff
DATE 10 2-12-99

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power)
 cost recovery clause and) DOCKET NO. 990001-EI
 generating performance incentive) FILED: JAN.14, 1999
 factor.)

THE DEPOSITION OF: SUSAN D. RITENOUR

TAKEN AT THE INSTANCE OF: Florida Public Service
 Commission

DATE: January 21, 1999

TIME: Commenced: 10:05 a.m.
 Concluded: 10:30 a.m.

LOCATION: Gerald L. Gunter Building
 2540 Shumard Oak Boulevard
 Room 362
 Tallahassee, Florida

REPORTED BY: Debra R. Krick
 Court Reporter and Notary
 Public in and for State
 of Florida at Large

PREMIER REPORTING
 6753 THOMASVILLE ROAD
 TALLAHASSEE, FL 32312
 (850) 894-0828



BUREAU OF REPORTING

RECEIVED 2-3-99

APPEARANCES OF COUNSEL:

On behalf of Florida Public Service Commission:

WILLIAM COCHRAN KEATING, IV, ESQ.
Florida Public Service Commission
2540 Shumard Oak Blvd
Tallahassee, FL 32399

On behalf of Gulf Power:

JEFFREY A. STONE, ESQ.
Beggs & Lane
3 West Garden Street
Pensacola, FL 32501

On behalf of Florida Power and Light:

RITA McCLELLAN, ESQ.
CORBY DUBIN, ESQ.
9250 West Flagler Street
Miami, FL

On behalf of FL Industrial Power Users Group:

VICKI KAUFMAN, ESQ.
McWhirter, Reeves, McGlothlin, Davidson,
Decker, Kaufman, Arnold & Steen
117 South Gadsden Street
Tallahassee, FL 32301

On behalf of the Citizens of Florida:

STEVE BURGESS, ESQ.
Office of Public Counsel
111 West Madison Street
Room 812
Tallahassee, FL 32399

Also appearing:

J. Todd Bohrmann, FPSC
David Wheeler, FPSC
Judy Harlow, FPSC
Tom Billinger, FPSC
M. W. Howell, Gulf Power
Homer Bell, Gulf Power
Terry Davis, Gulf Power

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D E P O S I T I O N

1
2 Whereupon,

3 SUSAN D. RITENOUR

4 was called as a witness, having been first duly sworn to
5 speak the truth, the whole truth, and nothing but the
6 truth, was examined and testified as follows:

7 EXAMINATION

8 BY MR. KEATING:

9 Q Good morning, Ms. Ritenour.

10 A Good morning.

11 Q I just have a few questions. This really
12 shouldn't take too long at all, and you can get back in
13 the fog and head for Pensacola.

14 First note, on page three, line 10 of your
15 testimony, pre-filed in this case, you use the term
16 economy sales.

17 How do you define economy sales as you use it in
18 your testimony?

19 A Mr. Howell could probably give you a better
20 description of what economy sales are than I could. But
21 I think they are basically the sales that we make,

22 opportunity sales, if you will --

23 THE WITNESS: Is that --

24 MR. HOWELL: Correct.

25 THE WITNESS: -- that we make to other

1 utilities.

2 BY MR. KEATING:

3 Q Did the calculations that you have on page three
4 of your testimony there apply to economy sales in
5 general, or are those only economy sales that are made on
6 the energy broker network?

7 A Gulf doesn't make any sales on the energy broker
8 network. So they would apply to -- they apply to our
9 economy sales, but those are not on the broker network.

10 Q Beginning on line 19 -- I am sorry.

11 So the economy sales that you are referring to
12 in your testimony, are those sales made by Gulf or sales
13 made by Southern?

14 A I think Mr. Howell -- it would be better to ask
15 him that question. He really has a deeper understanding
16 of how that works than I do.

17 Q Going down to page -- to line 19 on page three
18 of your testimony.

19 A Uh-huh.

20 Q You indicated, for January 1997 through August
21 1998, the difference between the energy calculation and
22 demand allocation is \$885?

23 A Uh-huh.

24 Q Have you prepared any -- performed any
25 calculations for the figures that you used to reach that

1 number? I understand that it's the difference between --
2 I believe -- is it \$525,145 on line 20, and the \$524,260
3 on line 24?

4 A Yes. I have that. And, basically, it's just
5 simply the transmission revenues to the period of January
6 '97 through August of 1998 that we ran through the
7 clause. Of course, we ran through the clause from the
8 period of January '98 through August of '98. But they
9 were effective back to January of '97 once the decision
10 was made. So it's 20 months worth of revenues, which is
11 542,851.14, which isn't in my testimony. That's the
12 total number of the transmission revenues.

13 And then multiplied by the demand factor.

14 While we are talking about those numbers, one
15 thing I wanted to point out today that sort of came to my
16 attention when we were bringing the interrogatories
17 together, the fact that I have in my testimony for the
18 demand allocator is the demand allocator that was in our
19 last pre-cost service study. Because as I was preparing
20 this testimony, I was thinking in terms of the proper
21 allocation, and going back to how we allocated in our
22 last case. And I went and used that factor.

23 What I probably should have done in my
24 testimony -- and it didn't -- just one of those things
25 that I didn't focus on at the time is, we have an updated

1 amount for that demand allocator that we used in the
2 capacity in the environmental filings every -- which is
3 what we showed you in the -- one of the interrogatory
4 responses.

5 And I should have used that there, the one that
6 would have been in effect for that period. And if you do
7 that, the actual difference would have been that the
8 customers would have received \$1,392 less, rather than
9 \$885 more, using the demand allocator.

10 So -- which is more consistent with reality,
11 that the demand allocator is a little lower than the
12 energy allocator on a consistent basis. And, therefore,
13 they would get a little bit less money.

14 Q Did you say that those -- that that calculation
15 was in response to staff interrogatories?

16 A The calculation of the demand allocator, I
17 think -- wasn't that one of the interrogatories? Let me
18 look.

19 Yeah. Interrogatory seven. And actually, in
20 interrogatory seven, the question asked for the most
21 recent available split; which is based on our 1997 load
22 data that we filed, I think, around May or June, mid-year
23 of '98.

24 The actual factor that would have been used
25 during the period up through September of '98, which is

1 what these revenues -- up to the point that I wrote my
2 testimony -- include, would have been the factor that was
3 based on the '95 load data immediately prior to that.
4 But this is the latest demand split, which is what the
5 interrogatory asked for.

6 Q If you could give me just a minute.

7 A Sure.

8 (Discussion off the record.)

9 MR. KEATING: I guess we could go off the
10 record for just a minute.

11 THE WITNESS: Okay. Sure.

12 (Discussion off the record.)

13 MR. KEATING: Back on the record.

14 THE WITNESS: Okay.

15 BY MR. KEATING:

16 Q The allocated that you calculated in your
17 response to interrogatory number seven, that is based --
18 am I correct in believing that that's based on the latest
19 load research data?

20 A Right, that's right. The load research data is
21 prepared every two years. So, basically, what we have
22 done in capacity is to give you a little background; and
23 then in environmental, and that came along, was the
24 demand allocator would stay the same for basically two
25 years until we got new load data, and then we would

1 update it based on that latest load data.

2 So this is the latest and greatest that we
3 started using, effective -- effective the October '98
4 period, since that's the first time it was available
5 consistently to be used. We used it in the projection
6 beginning of June. We filed in June.

7 Q You stated in your testimony that -- and your
8 testimony refers to the \$885 difference.

9 A Right.

10 Q But you stated that that difference in the
11 separation factors is not material for Gulf. Is there a
12 point at which the difference between the two factors
13 would result in a dollar difference that would become
14 material to Gulf?

15 A I am sure there is a threshold. That's hard to
16 say. Whether -- at some point -- let me put it this way.
17 At some point, I guess the dollars would become material.
18 But I don't have a particular threshold in mind at which
19 point they would. They would have to increase
20 substantially over what they -- the difference is now, in
21 my mind.

22 And I just don't see the difference between our
23 demand and energy allocators changing to the point that
24 it would become that material, especially given the fact
25 that over the last two years worth of data now for two

1 years the amount comes to close to \$600,000 for the
2 transmission revenue. And that amount in itself is
3 fairly immaterial to Gulf.

4 So I just think for an allocation -- the
5 difference in an allocation factor applied to \$600,000,
6 in theory, it could get to the point where it's material.
7 But as a practical matter, I just don't see how it could.

8 I just think that relationship couldn't deviate
9 that much between the demand and energy allocators.

10 I don't know if that answered your question
11 right now. But in terms of defined threshold, I don't
12 have one. Could it become material? You know, I suppose
13 so.

14 Q If there was a threshold level, would you prefer
15 to see it based on the amount of the transmission
16 revenues or based on the allocation factors?

17 A I think it --

18 MR. STONE: May I ask for a clarification of the
19 question? Are you asking if there is a threshold
20 level for when we would suggest making a change in
21 which allocator is used? Is that the question that
22 you are asking?

23 MR. KEATING: I believe so, yes.

24 MR. STONE: With that clarification, I think
25 that makes it easier to answer the question.

1 MR. KEATING: Okay.

2 THE WITNESS: Yes. And to further clarify for
3 how I am taking the question and answering it, I
4 mean, I think what you are saying is there is a
5 threshold at which the amount -- the impact on the
6 customers would become material.

7 If there was such a threshold, I think it would
8 be more appropriate to base it on the allocators --
9 the difference in the allocators instead of the gross
10 dollar amount of the transmission revenues, because
11 they could go up substantially. I don't think that
12 they will, based on my understanding, you know. But
13 they could go up substantially. And the difference
14 could still stay pretty small, because the allocators
15 are so close together.

16 So if there was a threshold that determined -- I
17 think it would be more appropriate to base it on a
18 spread that might develop between the
19 retail-wholesale relationship based on energy, and
20 the retail-wholesale relationship based on demands.

21 BY MR. KEATING:

22 Q So when you said they could go up significantly,
23 you are referring to the transmission --

24 A Yes. I am saying, even if they were to go up
25 significantly, based on our allocators -- the demand

1 allocator and the energy allocator -- the difference
2 would probably still not go up significantly, because
3 they are just so close together.

4 Q All right. In your response to staff
5 interrogatory number five -- have you got that with you?

6 A Yes.

7 Q If you want to pull that out.

8 You describe the necessary changes to the A and
9 E schedules of transmission revenues, are separated based
10 on demand?

11 A Right.

12 Q We had -- Florida Power Corporation responded to
13 an identical interrogatory; it was number 13B of staff's
14 interrogatories to Florida Power Corporation.

15 Have you seen that response?

16 A Yeah. We got those responses. Okay. I have
17 got it.

18 Q Okay. Florida Power Corporation prepared a
19 table, I guess it's a couple of pages in here, in their
20 response. Let's see, there is schedule E-1 and E-6.

21 Have you prepared any similar, I guess, graphic
22 reproduction of what's in your testimony?

23 A No. To be honest, that's how we started to
24 answer the question, which is to visually demonstrate it.
25 And we realized that there would just be so much to

1 change to really fully answer the question visually,
2 showing the actual changes to the documents, that which
3 sort of -- which supports the position that we take, that
4 it's really not worth the administrative burden, if you
5 will, to make those changes based on the immateriality of
6 the difference.

7 We didn't go through and revise all of our
8 schedules. We felt that would be premature, not knowing
9 if we needed to do all of that. And it would require a
10 good bit of work. And in Power Corp., I guess they
11 showed these two here. But I think they would be more
12 involved -- at least for Gulf, they would have been more
13 involved than that.

14 Q What would be involved in the administrative
15 changes in the schedules?

16 A Okay. Basically, a couple of things. First of
17 all, initially -- initially just reprogramming all of the
18 schedules. We have -- ours currently is in a Lotus file;
19 we are transferring it to Excel.

20 It's just in a spreadsheet format. And it's
21 time-consuming just to change the face of the schedules
22 to insert the rows and columns to break out certain
23 amounts; certain dollars to use one allocator and certain
24 dollars to use another allocator. That's time-consuming,
25 if you take one page at a time.

1 And that's a one-time shot, and making sure that
2 you get it all right, and it flows through and all of
3 that. But one thing that compounds that is that the way
4 we have our spreadsheets set up -- and without getting
5 too technical, we have got a lot of macros that we have
6 set up in there in order to help us calculate
7 year-to-date amounts, in order to help us -- when we do
8 the monthly actual filings, we have macros that will
9 bring in the data from our projection filing each month,
10 rather than having to put it in again -- rekey it,
11 basically, again, when we are doing the actual, versus
12 budget comparison.

13 So we would have -- our -- I guess what I am
14 saying is, over time, we have kind of made some pretty
15 fancy spreadsheets to automate some things and to get all
16 of those macros and stuff to work. It is more complex
17 than just inserting a row or two on the face of the
18 spreadsheet.

19 And that's the one time shot that would be
20 time-consuming.

21 The other part of it is just each month, the way
22 the schedule would have to be laid out to do the
23 allocation, is just more confusing. I think it would
24 be -- I -- when we were looking at it, trying to lay it
25 out as cleanly as we could, I even thought in terms of

1 people trying to use it, use the data -- it would just be
2 a little hard. It's going to be a little more confusing
3 to follow. Instead of having total fuel cost, total fuel
4 and net power transactions, you would have two subtotals
5 for that. And it would just be -- on any given -- on an
6 ongoing basis, we thought it would be more confusing than
7 it's worth, to be honest. But that's the type of
8 administrative cost I am talking about.

9 Q Could you put a, I guess, a guess on about how
10 much time something like that would involve?

11 A Probably. She said several days worth of work,
12 based on the amount of time we put in. Just initially
13 looking at the interrogatories, we -- it was a couple of
14 days already. We really didn't get into any of the
15 programming.

16 So I think several days is probably a
17 conservative estimate of work -- you know, probably a few
18 weeks worth of work. And then ongoing, you know,
19 probably a few hours every month of making sure that the
20 dollars -- it's just more complex to make sure the
21 dollars flow where they need to flow every month, because
22 you aren't having clean totals to tie into, basically.

23 And in the projection -- for one thing, the
24 projection wasn't done that way. So that would just add
25 one more administrative -- like I said, we have our files

1 set up so it brings in the projected data and compares it
2 to the actual. That would just be one more thing we
3 would have to fix.

4 And that -- in the grand scheme of things, it's
5 not, you know, millions of dollars or anything like that.
6 But I think it would more than offset -- way more than
7 offset \$1,000 of -- in terms of the opportunity cost and
8 administrative cost of what the retail rate -- number
9 one, the retail rate payers would get a thousand, 1500 --
10 whatever I said earlier -- less money.

11 And we would -- I think I can safely say the
12 administrative cost would be more than \$1,000 to get it
13 all done. It's just so immaterial to go to the trouble,
14 basically.

15 MR. KEATING: Okay. Well, I don't have any
16 other questions for you.

17 THE WITNESS: Okay.

18 MR. BURGESS: May I ask a couple of questions?

19 CROSS EXAMINATION

20 BY MR. BURGESS:

21 Q I am Steve Burgess with the Public Counsel's
22 office.

23 As far as you know, has the energy allocator
24 been used -- always been used to allocate the revenue
25 credit associated with sales of economy energy, or

1 economy energy sales?

2 A Associated with economy energy sales?

3 Q Yes.

4 A As far as I know, yes. I know in the fuel
5 clause it has -- and I believe back when it was in base
6 rates, that would be the allocator that would have been
7 used then, too.

8 Q Okay.

9 A I think the profit, I guess the profit economy.

10 Q So your recollection is going all the way back
11 to when it was even a base rate issue. And what you are
12 saying is, to your knowledge, there has always been the
13 energy allocator used or applied to it?

14 A Right.

15 MR. BURGESS: Thank you.

16 MR. STONE: I have no questions.

17 MR. KEATING: Okay. I guess that concludes Ms.
18 Ritenour's deposition.

19 (Whereupon, the deposition was concluded at
20 10:30 a.m., and reading and signing by the witness was
21 not waived.)
22
23
24
25

TRANSCRIPT CERTIFICATE

STATE OF FLORIDA)

COUNTY OF LEON)

I, DEBRA R. KRICK, Court Reporter, hereby certify that the foregoing transcript was taken down as stated in the caption, and the questions and answers thereto were reduced to typewriting under my direction;

That the foregoing pages 4 through 17 represent a true, correct, and complete transcript of the evidence given upon said hearing;

And I further certify that I am not of kin or counsel to the parties in the case; am not in the regular employ of counsel for any of said parties; nor am I in anywise interested in the result of said case.

Dated this 27th day of January, 1999.



DEBRA R. KRICK

Court Reporter and Notary Public

State of Florida at Large

C O R R E C T I O N S

1
2 Corrections to the deposition of SUSAN D. RITENOUR, taken
3 In Re: Fuel and purchased power cost recovery clause and
4 generating performance incentive factor, Docket No.
5 990001-EI, taken on January 21, 1999.

Page-Line

Correction

AS TO SIGNATURE ONLY

6
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12
13 Under penalties of perjury, I declare that I
14 have read my deposition and that it is true and correct
15 subject to any changes in form or substance entered here.

Date

Signature

DEPOSITION OF RITENOUR 1/21/99 IN RE: FUEL AND PURCHASED POWER, ETC.

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DEPOSITION OF RITENOUR 1/21/99 IN RE: FUEL AND PURCHASED POWER, ETC.

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One Energy Place
Pensacola, Florida 32520

Tel 850.444.6111



February 11, 1999

Ms. Debra R. Krick
Premier Reporting
6753 Thomasville Road
Tallahassee FL 32312

Dear Ms. Krick:

Attached are Susan D. Ritenour and M. W. Howell's errata sheets to their depositions that were taken on Thursday, January 21, 1999 at the Florida Public Service Commission in regard to Docket No. 990001-EI.

Sincerely,

A handwritten signature in cursive script that reads "Susan D. Ritenour".

Susan D. Ritenour
Assistant Secretary and Assistant Treasurer

lw

Attachments

cc: Beggs and Lane
Jeffrey A. Stone, Esquire

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET
NO. 990001-EI EXHIBIT NO. 8
CASE
WITNESS: Gulf Power
DATE 2-13-99

1 **ERRATA SHEET**

2 Docket No. 990001-EI

3 Name: Susan D. Ritenour

4 Date: January 21, 1999

5	<u>Page</u>	<u>Line</u>	
6	5	19	Change "Uh-huh" to "Yes".
7		23	Change Uh-huh" to "Yes".
8	6	4	Change "it's" to "the \$525,145 is".
9		5	Change "to" to "for".
10		7	Add the word "them". The line should read "clause. Of course, we ran
11			them through the clause from the".
12		8	Change the period to a comma and continue the sentence. The line should
13			read "period of January '98 through August of '98, but they".
14		10	Lines 10-13 should read "was made. The \$524,260 was derived by
15			multiplying the 20-month total system transmission revenues of
16			\$524,851.14 by the demand factor.
17		17	Change "fact" to "factor".
18		19	Change "pre-cost" to "cost of".
19		24	Change "it" to "I".
20	7	2	Change "in" to "and". Add a comma after "filings,". Delete the word
21			"every" and the dash. The line should read "capacity and the
22			environmental filings, which is".
23		19	Change "Yeah" to "Yes".
24		21	Change the semicolon to a comma.
25	8	16	Change "allocated" to "allocator".

1 **ERRATA SHEET**

2 Docket No. 990001-EI

3 Name: Susan D. Ritenour

4 Date: January 21, 1999

5	<u>Page</u>	<u>Line</u>	
6	8	22	Add a comma after "capacity". Delete the word "is". Change the
7			semicolon to a comma. The line should read "done in capacity, to give
8			you a little background, and".
9		23	Delete the comma and the word "and" and add "when".
10	9	5	Add the words "at the" at the end of the line.
11	10	3	Delete the word "Gulf" and add "Gulf's fuel factors".
12	11	4	Add the words "assume that". The line should read "mean, I think what
13			you are saying is assume that there is a".
14		5	Delete the words "the amount -".
15		13	Change the period to a comma and continue the sentence, uncapitalize
16			"and".
17		20	Change "demands" to "demand".
18	12	9	Change "of" to "if" and delete the comma.
19		16	Change "Yeah" to "Yes".
20	13	11	Change "they" to "there".
21		12	Change "they" to "there".
22	14	11	Delete the comma after the word "actual".
23	15	11	Delete the words "She said" and start the sentence with "Several".
24	16	7	Add the word "difference" after the phrase "offset \$1,000 of".
25		8	The line should read "administrative cost." Delete the rest of the line.

ERRATA SHEET

Docket No. 990001-EI

Name: Susan D. Ritenour

Date: January 21, 1999

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Page Line

9 Delete the word “one” and start the sentence. Change “1500” to “\$1,500”.

The line should read “The retail rate payers would get a thousand,
\$1,500 –“.

17 9 Add the word “on”. The line should read “I think the profit, I guess the
profit on economy.”

ERRATA SHEET

Docket No. 990001-EI

Name: M. W. Howell

Date: January 14, 1999

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Page Line

- 5 10 5 Delete the comma after "in"
- 7 12 10 Insert comma after "AIMS" and capitalize "Automated"
- 8 12 11 Capitalize "Interchange Matching System"
Add ", which" at the end of the line
- 10 17 8 Change "transportation" to "transaction"
- 11 17 25 Change "Peninsular" to "Peninsula"
- 12 18 1 The line should read "would be. And then they compared those costs.
And it was"
- 14 18 15 Delete the comma at the end of the line
- 15 18 16 Change "in" to "an"
- 16 18 17 Add a comma after "implement"

