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**ORIGINAL
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ACK	✓
AFA	✓
APP	✓
CAF	✓
CMU	✓
CTR	mg
EAG	✓
LEG	✓
LIN	6
OPD	✓
RCH	✓
SEC	✓
WAS	✓
OTH	✓

September 8, 1989

Mr. Steve Tribble
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, FL 32301

RE: Docket No. 890148-E*

Dear Mr. Tribble:

Enclosed are the original and fifteen (15) copies of the revised pages to the prefiled testimony of Mr. S. S. Waters in Docket No. 890148-EI. At the hearing on August 23, 1989, Chairman Wilson asked that corrected pages to Mr. Waters' Direct and Rebuttal Testimony be submitted to the court reporter for insertion into the transcript. The corrected pages were to reflect corrections Mr. Waters made on the stand through an errata sheet.

Consistent with Chairman Wilson's directive, FPL is filing the following corrected pages to Mr. Waters' Testimony:


Direct Testimony Pages: 11, 12, 15, 17, 18, 19, 20, 22, 23, 24 and 25

Rebuttal Testimony Pages: 4, 9, 10, 37, and 43

Exhibit 208, Revised Document 4, Page 1 of 2

So that the Court Reporter is assured of a copy, we are providing a separate copy of this transmittal directly to Ms. Casseaux's office.

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Mr. Steve Tribble
September 8, 1989
Page 2

If you have any questions regarding this transmittal,
please contact me.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Charles A. Guyton".

Charles A. Guyton

CAG:do
Enclosures

cc: Counsel for all parties of record
Ms. Carol Casseaux

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Florida Power) Docket No. 890319-EI
& Light Company for approval of)
"Tax Savings" Refund for 1988) Filed: Sept. 8, 1989

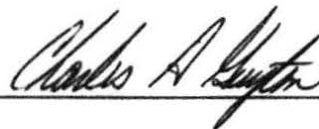
CERTIFICATE OF SERVICE

I CERTIFY that a true and correct copy of Florida Power & Light Company's Revised Pages 11, 12, 15, 17, 16, 19, 20, 22, 23, 24, 25 of the Direct Testimony of S. S. Waters, Revised Pages 4, 9, 10, 37, and 43 of the Rebuttal Testimony of S. S. Waters and Exhibit 208 - Revised Document 4 - Page 1 of 2 has been furnished by U. S. Mail or Hand Delivery to the following individuals on this 8th day of September, 1989:

Stephen C. Burgess, Esq.
Office of Public Counsel
111 West Madison Street
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Marsha Rule, Esq.
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Florida Public Service Commission
Tallahassee, FL 32301



Errata Sheet
S.S. Waters

Rebuttal Testimony

- Page 4, Line 24 Add "Mr. Pollock calculates" after billion
- Page 9, Lines 24, 25 Strike "by a "preponderance of the evidence""
- Page 10, Line 1 Add "FPL had proven by a "preponderance of the
evidence" that" after that
- Page 10, Lines 1-2 Add quotes around positive cumulative present
value of expected net savings
- Page 37, Line 15 , → .
- Page 43, Line 1 "displacement" should be one word

1 **Primary Purpose - Economic Displacement Of Oil**

2

3 **Q. Have Mr. Pollock's direct testimony and exhibits established**
4 **that the Project has failed to economically displace oil fired**
5 **generation?**

6 **A. No.**

7

8 **Q. Please explain.**

9 **A. Although Mr. Pollock asserts that the Project has not economic-**
10 **ally displaced oil fired generation, his direct testimony refutes**
11 **his assertion. For example, in his attempt to dramatize the**
12 **difference between the original projections and actual results**
13 **adjusted for more current projections, Mr. Pollock points out on**
14 **page 10 of his direct testimony that the "net fuel savings,"**
15 **while substantially below the original projection, are still a**
16 **positive \$1.3 billion on a nominal dollar basis. This calculation**
17 **is also shown on Mr. Pollock's chart appearing on page 11 of his**
18 **direct testimony.**

19

20 **Q. Would you agree that the reduction in net fuel savings from that**
21 **originally forecasted has been substantial?**

22 **A. Yes. But, even if these savings were relevant to deciding**
23 **whether oil backout cost recovery should continue, they still**
24 **remain positive, and the \$1.3 billion Mr. Pollock calculates still**
25 **represents substantial savings.**

1 No. 11217, but also the exhibit reflecting the test, Late Filed
2 Exhibit 15(j) in Docket No. 820155-EU, was prepared by FPL at
3 the request of the Commission. Mr. Pollock, in pages 15
4 through 18 in his direct testimony, acknowledges that the
5 Project originally passed the test and continues to pass the
6 test. In light of his own testimony, which demonstrates that
7 the Project continues to economically displace oil, I fail to see
8 the reasoning behind Mr. Pollock's assertion to the contrary.

9
10 **Q. Mr. Pollock asserts (page 12) that the Commission approved the**
11 **Project for cost recovery even though FPL was projecting to**
12 **accumulate substantial net losses. Please comment.**

13 **A. This is a total misrepresentation of fact. The Commission did**
14 **not, as Mr. Pollock alleges, base its Project qualification**
15 **decision on the possibility of additional fuel savings provided**
16 **by Alternate and Supplementary energy purchases from the**
17 **Southern Companies, offsetting "forecasted" losses. None of**
18 **the economic tests applied by the Commission, either during the**
19 **qualification proceeding or since, has shown the accumulation**
20 **of substantial net losses.**

21
22 It is almost absurd for Mr. Pollock to assert that FPL projected
23 substantial net losses for the Project, when the Commission
24 actually found that FPL had proven that the Project would
25 economically displace oil fired generation and that FPL had

1 proven by a "preponderance of the evidence" that the Project
2 would produce a "positive cumulative present value of expected
3 net savings" within the first ten years of operation.
4

5 **Q. Is Mr. Pollock's testimony consistent with the FIPUG Petition in
6 this docket?**

7 **A. No. FIPUG's Petition asks that the Commission: "determine
8 that FPL's Transmission Project has failed to achieve the
9 'primary purpose' which led the Commission to qualify it under
10 Rule 25-17.016, F.A.C." (FIPUG Petition, page 14). By
11 Mr. Pollock's own admission, on pages 17 and 18 of his direct
12 testimony, the Project passes the Primary Purpose Test, even
13 when actual data is used. I can only surmise from this
14 contradiction that in preparing the Petition, either FIPUG and
15 Mr. Pollock failed to inform themselves as to how the "primary
16 purpose" of the Project was determined by the Commission, or
17 they were aware of how the Commission originally determined
18 the primary purpose of the Project and intentionally chose to
19 ignore or misstate it. Given that Mr. Pollock now concedes that
20 the Project passes the Primary Purpose Test, the Commission
21 should find that the Project has achieved its primary purpose
22 of economic displacement of oil fired generation.**

1 accelerated cost recovery of the Project costs resulting from
2 actual net savings, which are premised in part on Martin unit
3 deferral, is appropriate and should be allowed to continue.
4
5

6 Changed Circumstances
7

8 Q. Mr. Pollock asserts that changed circumstances warrant a
9 reexamination of the Project by the Commission. Do you agree?

10 A. No. I have been informed by Counsel that "changed
11 circumstances" cannot warrant the discontinuance of Project
12 cost recovery as a matter of law, but from my perspective,
13 there are no meaningful or significant changed circumstances
14 that should affect cost recovery, even if it could be discon-
15 tinued. Mr. Pollock has suggested that circumstances have
16 changed such that (1) economic oil displacement (oil backout)
17 is no longer the primary purpose of the Project and coal by
18 wire purchases (page 21) and (2) deferred capacity savings no
19 longer should be included in the calculation of actual net
20 savings (page 38). I do not believe that there are any
21 significant changed circumstances that justify reassessing
22 whether the Project and associated purchased power costs
23 should be recovered through the Oil Backout Cost Recovery
24 Factor.

1 sible under the Rule provided the economic displacement of oil
2 remained the primary purpose.

3
4 In addition, Mr. Pollock has acknowledged that FPL load growth
5 has been essentially as projected in 1982. Power purchases
6 have also been as projected in 1982. These facts lead to the
7 inescapable conclusion that the capacity deferral benefits
8 provided by the Project remain essentially unchanged. This
9 certainly does not suggest that there are any changed cir-
10 cumstances since 1982 which have altered the primary purpose
11 of the Project.

12

13 **Q. Have any of the important factors changed regarding economic**
14 **oil displacement as the primary purpose of the Project?**

15 **A. No. The Project still passes the Primary Purpose Test.**
16 **Capacity needs are essentially as FPL projected. I see no**
17 **reason to take FPL to task because load growth, capacity**
18 **deferral and power purchases have materialized as forecast.**

19

20 **Q. What about Mr. Pollock's second issue, that changed circum-**
21 **stances warrant revisiting the use of capacity deferral benefits**
22 **of the Martin units in the calculation of actual net savings?**

23 **A. I have already demonstrated that the Martin Coal Units were**
24 **deferred by the Project and are therefore the appropriate basis**
25 **for the calculation of net savings. The fact that these units**

Errata Sheet
S.S. Waters

Direct Testimony

- Page 11, Line 4 a → FPL's
- Page 11, Line 5 project → Project
 is → was
- Page 11, Line 12 or → nor
- Page 11, Lines 19,20 Change parentheses to brackets
- Page 12, Line 21 Add "net" to fuel savings
- Page 15, Line 1 "straightforward" should be one word
- Page 17, Line 6 costs → revenue requirements
- Page 18, Line 21 or → nor
- Page 19, Line 24 Add "i.e. 1987" after Project
- Page 20 Reprinted (correction to page 19 changed
 composition of page)
- Page 22, Line 13 will → may
- Page 23, Line 4 Add "needs" after capacity
- Page 24, Lines 17-18 Remove sentence "Then the total life cycle costs
 of a coal unit and a combined cycle unit were
 virtually identical."
- Page 25 Reprinted (correction on page 24 changed
 composition of page)
- Document 4 Change (c) to 3'
- Page 1 of 2, Line P

1 proposed project is the economic displacement of oil fired generation
2 in the State of Florida."

3
4 **Q. How was the determination made that the primary purpose of FPL's
5 Project was the economic displacement of oil-fired generation?**

6 **A. The Commission has established a means of testing that issue. In
7 the final order in the Project's qualification proceeding, Order No.
8 11217, the Commission devoted an entire section to the discussion
9 of "The Primary Purpose Test." FPL proposed, and the Commission
10 Staff supported, a Primary Purpose Test which was met if gross
11 fuel savings expected from the Project outweighed all other gross
12 savings on a net present value basis. Neither FIPUG nor Public
13 Counsel proposed a test, but Public Counsel, based on an
14 examination of system expansion plans and projected oil usage,
15 argued that FPL's Project and the related unit power purchases
16 were primarily intended to meet load growth rather than displace
17 oil. The Commission rejected these alternatives and stated:**

18
19 In our mind, the issue [determination of primary
20 purpose] is best resolved by allocating the fuel costs of
21 the project against the fuel savings and the capacity
22 costs of the project against the capacity savings. We
23 think it proper to allocate costs and benefits in this case
24 because the Company could have purchased the coal by
25 wire power on a non-firm basis, thereby avoiding the

1 capacity costs due Southern but also foregoing the
2 deferred capacity benefits.

3
4 Having stated that UPS capacity costs should not be allocated
5 against fuel savings in determining the Project's primary purpose,
6 the Commission specifically embraced a methodology for determining
7 whether the Primary Purpose Test was satisfied:

8
9 If the net fuel savings exceed the cost of the Project,
10 the Company has met its burden of proof on this issue
11 and demonstrated that the primary purpose of the Project
12 is oil displacement. The Company has done this in
13 Exhibit 15(j).

14
15 **Q. Have you examined Exhibit 15(j) from the Qualification Proceeding?**

16 **A. Yes. I have attached a copy of the original Exhibit 15(j) and a**
17 **supporting schedule in Docket No. 820155-EU as my Document**
18 **No. 3. As stated in Commission Order No. 11217, this exhibit**
19 **reflects the methodology used by the Commission in determining**
20 **whether or not a project meets the Primary Purpose Test. That is,**
21 **for the first ten years of the Project, net fuel savings are**
22 **compared to Project revenue requirements.**

1 FPL was straightforward in acknowledging the difficulty in
2 accurately projecting oil prices. It is clear from a review of the
3 transcript that the Commission was fully apprised of the probability
4 that actual experience would deviate from the projections and that
5 the deviation might be substantial.

6
7 Oil prices have, in fact, been lower than any of the forecasts used
8 in the original qualification. However, the original intent of
9 presenting a banded forecast was to present a range of possible
10 outcomes, and it was FPL that produced the low band forecast.
11 More importantly, even with actual oil prices lower than those
12 originally projected, the Project has economically displaced oil fired
13 generation.

14
15 **Q. Does the Project still pass the Primary Purpose Test, using actual**
16 **data and current forecasts?**

17 **A. Yes, however, I would like to add that I do not think it is proper**
18 **to "requalify" a project. Decisions on whether to qualify a project**
19 **for Oil Backout Cost Recovery should be made based on the best**
20 **available information at the time qualification is sought. That is the**
21 **time when project decisions must be made, information justifying**
22 **the project is readily available and the Commission is fully apprised**
23 **of current circumstances affecting a project. Requalification or**
24 **reevaluation of qualification through hindsight, as FIPUC appears**
25 **to want to do, is difficult and unfair.**

1 **Actual Net Savings - Deferral Of Martin Unit Nos. 3 And 4**

2 **Q. Has FPL collected any revenues for the project which have resulted**
3 **from actual net savings?**

4 **A. Yes. As authorized by the Rule, and as determined appropriate by**
5 **the Commission in Order Nos. 18136, 19042, 20133 and 20966, FPL**
6 **has and is collecting revenues above Project revenue requirements**
7 **because the project has produced net savings.**

8

9 **Section (4)(a) of the Rule authorizes collection of revenues equal**
10 **to:**

11

- 12 • **Straight line depreciation, plus**
- 13 • **Project cost of capital, plus**
- 14 • **Actual tax expense, plus**
- 15 • **Oil/non-oil O&M differential, plus**
- 16 • **Two-thirds of the actual net savings (if positive)**

17

18 **The amount identified as two-thirds of the actual net savings is**
19 **recovered through the Oil Backout Cost Recovery Factor and**
20 **applied as additional depreciation. This recovery is to continue**
21 **until the Project investment is fully recovered.**

1 **Q. How were actual net savings derived in each of the instances?**

2 A. The specific methodology for determining the actual net savings for
3 inclusion in FPL's Oil Backout Cost Recovery Factor was presented
4 in D. L. Babka's testimony in Docket Nos. 870001-EI and 880001-EI.
5 The methodology was the same in all cases and part of the
6 calculation included deferred capacity benefits associated with the
7 Martin coal units. The Martin coal units were deferred as a result
8 of the Project and the related UPS agreement with the Southern
9 Companies.

10

11 **Q. When did capacity deferral benefits first appear in FPL's calculation**
12 **of net savings in an FPL Oil Backout filing?**

13 A. The first time capacity deferral benefits were projected in an FPL
14 Oil Backout filing was in FPL's January, 1987 testimony for the
15 April, 1987 - September, 1987 recovery period in Docket
16 No. 870001-EI. The capacity deferral benefits were the result of
17 the deferral of Martin Coal Unit No. 3, which would have been
18 placed in service in June 1987, without the purchases from the
19 Southern Companies. Although the recognition of capacity deferral
20 benefits did not produce net savings in the projection of the April,
21 1987 - September, 1987 period, neither FIPUG nor Public Counsel,
22 who were parties to the Docket, objected to FPL's recognition of
23 capacity deferral benefits in its calculation of net savings.

1 Q. Has FPL claimed any additional capacity deferral benefits since that
2 time?

3 A. Yes. The benefits of deferral of Martin Coal Unit No. 3 have
4 continued to appear in all subsequent FPL Oil Backout Cost
5 Recovery Factor filings. Without construction of the Project and
6 the UPS Agreement, Martin Coal Unit No. 4 would have come into
7 service in December of 1988. Consequently, FPL began to accrue
8 capacity deferral benefits for Martin Unit No. 4 in its October, 1988
9 through March, 1989 filing in Docket No. 880001-EI. This was also
10 supported in FPL's prefiled testimony. The resultant Levelized Oil
11 Backout Cost Recovery Factor of 0.886 cents/KWH for the period
12 October, 1988 - March, 1989 was approved without objection by
13 FIPUG or Public Counsel.

14

15 Q. Is FIPUG questioning in this proceeding issues previously raised
16 by FPL and decided by the Commission?

17 A. Yes. During 1987 and 1988, FPL presented the methodology and
18 underlying assumptions for its calculation of capacity deferral
19 benefits used in qualifying actual net benefits to be recovered
20 through the Oil Backout Cost Recovery Factor. This was
21 consistent with the Commission's directive in the original
22 certification proceeding that the proper measure of savings to be
23 recovered was to be determined "at such time as the deferred units
24 would have come on-line, absent the Oil Backout Project, i.e.,
25 1987." Even though FIPUG had notice as far back as 1982 and even

1 though FIPUG has been an active party in the Oil Backout
2 proceedings throughout 1987 and 1988, FIPUG waited until
3 significant dollars of actual net savings had been recovered before
4 raising a challenge in January, 1989.

5
6 **Q. Was it appropriate for FPL and the Commission to include the**
7 **deferral of Martin Coal Unit Nos. 3 and 4 in the calculation of net**
8 **savings in these previous proceedings?**

9 **A. Yes. The Martin Coal Units were identified in the qualification**
10 **proceeding as the capacity additions which would have been**
11 **required if the Project had not been constructed and the power**
12 **purchases from the Southern Companies had not been made. The**
13 **construction of the Project and the purchases from Southern**
14 **Companies allowed the units to be deferred to the 1990's. This**
15 **deferral was recognized by the Commission in qualifying the Project**
16 **by including the units' capacity deferral benefit in the Cumulative**
17 **Present Value Test. In addition, the deferral of Martin Coal Unit**
18 **Nos. 3 and 4 was the basis for FIPUG's and Public Counsel's**
19 **argument in the certification proceeding that the primary purpose**
20 **of the Project was to meet future load growth. Thus, it appears**
21 **that at least in 1982, all the parties agreed that the Martin Coal**
22 **Units would be deferred by the Project and the UPS purchases.**

1 would be coal conversion and gasification which would
2 then be used in a combined cycle type plant, which
3 should have a much lower capital cost than the
4 conventional units that we see today.

5
6 It appears to me that Mr. Scalf recognized that the decision to
7 pursue the Project and the UPS purchases would result in the
8 deferral of the Martin Coal Units from 1987 and 1988 until 1992 and
9 1993. It also appears that Mr. Scalf recognized that another
10 potential benefit of deferring construction of the Martin Coal Units
11 out of the 1987-1988 time frame might be providing time for
12 technological advancements. Because of lower projected fuel
13 prices, FPL and its customers may be able to enjoy the fruits of such
14 advances by using less costly combined cycle technology in FPL's
15 next generating unit addition. However, the current prospect that
16 FPL will build a generating unit other than the Martin Coal Units
17 when it eventually undertakes capacity additions does not change
18 the fact that absent the Project and the UPS purchases, the Martin
19 Coal Units would have been built. Consequently, the Martin Coal
20 Units were the units deferred by the Project, and taking advantage
21 of this additional benefit of intervening technological advances does
22 not make the original units "mythical" or make the capacity deferral
23 benefits "illusory."

1 Q. Please clarify your assertion that FIPUG's allegations show a
2 misunderstanding of the generation planning process?

3 A. FIPUG has confused what FPL intends to do in the 1990's with what
4 FPL would have done to meet capacity needs in 1987, absent the Oil
5 Backout Project. The two cannot be compared.

6
7 In developing generation expansion plans, the need for new
8 capacity must be identified far enough in advance so that all
9 required activities, e.g., siting, licensing, design, engineering
10 and construction, can be performed to meet the required in-service
11 date. The amount of time required to perform these activities
12 establishes the lead time required between a decision to install a
13 new unit and its completion. For Martin Unit No. 3, the required
14 lead time was approximately eight years. This means that to meet
15 the in-service date of June, 1987, FPL would have had to begin
16 expenditures on the unit in 1980. Similarly, for Martin Unit No.
17 4, the required lead time was seven years. To meet a Martin Unit
18 No. 4 in-service date of December, 1988, expenditures by FPL
19 would have had to begin in 1982. If FPL had not committed to the
20 Project and the UPS purchases from Southern Companies, FPL
21 would have had to construct Martin Unit Nos. 3 and 4 and these
22 units would now be completed and in operation.

1 Q. Please clarify your assertion that FIPUG's allegations show a
2 misunderstanding of the generation planning process?

3 A. FIPUG has confused what FPL intends to do in the 1990's with what
4 FPL would have done to meet capacity needs in 1987, absent the Oil
5 Backout Project. The two cannot be compared.

6

7 In developing generation expansion plans, the need for new
8 capacity must be identified far enough in advance so that all
9 required activities, e.g., siting, licensing, design, engineering
10 and construction, can be performed to meet the required in-service
11 date. The amount of time required to perform these activities
12 establishes the lead time required between a decision to install a
13 new unit and its completion. For Martin Unit No. 3, the required
14 lead time was approximately eight years. This means that to meet
15 the in-service date of June, 1987, FPL would have had to begin
16 expenditures on the unit in 1980. Similarly, for Martin Unit No.
17 4, the required lead time was seven years. To meet a Martin Unit
18 No. 4 in-service date of December, 1988, expenditures by FPL
19 would have had to begin in 1982. If FPL had not committed to the
20 Project and the UPS purchases from Southern Companies, FPL
21 would have had to construct Martin Unit Nos. 3 and 4 and these
22 units would now be completed and in operation.

1 Q. Why do you believe these units would now be in operation, absent
2 the Project and UPS purchases from Southern?

3 A. FPL evaluates a number of generating unit alternatives when
4 considering capacity additions. In doing so, we look at total
5 expected life cycle costs on a present value basis. When Martin
6 Unit Nos. 3 and 4 were identified as the next unit additions in
7 FPL's generation expansion plans, these coal-fired units had been
8 evaluated against other options on a life cycle basis and found to
9 be less costly. The decision to construct the Project and enter the
10 UPS Agreement was made in 1981, thereby effectively deferring the
11 Martin Units at that point in time. The total life cycle cost
12 relationship between coal-fired units and other alternatives did
13 not change until 1985 planning studies were performed. These
14 studies were then focusing on capacity needs in the mid-1990's.
15 It was not until 1985 when FPL first reflected in its generation
16 expansion plan a combined cycle unit as the next planned
17 generating addition.

18
19 I have no reason to believe anything but that the Martin Coal Units
20 would have or could have been built to meet FPL capacity needs in
21 1987 and 1988. It was not up until 1985, when fuel forecasts for
22 oil and gas showed a significant decline, that combined cycle
23 technology became attractive. Prior to this time, it would have
24 been more economical for FPL to have built its coal-fired units than
25 it would have been to switch to combined cycle technology. Other

1 factors demonstrate this to be the case. Several coal units were
2 certified by the Commission and/or constructed during the period
3 of 1980-1985. Moreover, as late as May, 1984, the Commission
4 determined that a coal-fired generating unit would be more
5 economical than a combined cycle unit and should be used as the
6 avoided unit for cogeneration pricing. Putting aside Fuel Use Act
7 uncertainty over the use of oil and gas as a primary fuel as well as
8 more limited natural gas supplies during this time period, simple
9 economics suggest that absent the UPS purchases, coal-fired
10 generation was the preferred generating alternative until, at least,
11 late 1985.

12
13 One other consideration must be mentioned. The project lead time
14 for a combined cycle unit during the 1980-1985 period was five to
15 seven years. Thus, to meet the 1987 and 1988 capacity needs
16 which would have existed without the UPS purchases, FPL would
17 have to have begun construction on a combined cycle unit (and
18 cancelled construction of the Martin Coal Units) in 1981 and 1982.
19 Of course, the Commission had already approved a 1982 generation
20 expansion plan in qualifying the Project in 1982. Even if combined
21 cycle technology had been more cost effective after 1982, project
22 lead time alone would have dictated the completion of the Martin
23 Coal Units to meet capacity needs in 1987 and 1988.

FLORIDA POWER AND LIGHT COMPANY

500 KV Transmission Project
 Comparative Analysis Of Base Case Versus Coal-By-Wire Case
Expected Savings Within First Ten Years Of Commercial Operation

	<u>Totals</u> <u>(\$000)</u>	<u>Present^{2/}</u> <u>Value</u> <u>(\$000)</u>	<u>Source^{1/}</u>
A Fuel Savings			
B Direct Fuel Savings	1,840,852	1,010,158	Line D-I
C Foregone Deferred Capacity Fuel Savings	796,424	316,125	Line T-S
D Fuel Related Savings	<u>(393,121)</u>	<u>(277,265)</u>	Line E-F-G-H
E Total Fuel Savings (B-C+D)	651,307	416,768	
F Capacity Savings			
G Deferred Capacity Carrying Costs	3,469,030	1,411,829	Line R
H Capacity Cost "UPS"	2,571,002	1,280,748	Line K
I Wheeling Cost "UPS" (INCLUDED IN LINE H)	<u>----</u>	<u>----</u>	
J Total Capacity Savings (G-H-I)	897,228	131,081	
K Transmission Project Costs			
L Transmission Project Revenue Requirements	290,095	165,081	Line L
M Transmission Project O&M	<u>5,659</u>	<u>2,820</u>	Line M
N Total Transmission Project Costs (L+M)	295,754	167,901	
O Total Net Benefits (E+J-N)	1,252,781	379,948	
P Primary Purpose Test (B-C+D-N) ^{2/}	355,553	248,867	

Notes:

- ^{1/} Source is the attached page 2 of 2 of Exhibit SSW-4, with actual data through May, 1989.
- ^{2/} Discount rate = 11.4% each year.
- ^{3/} Primary Purpose Test is defined as fuel savings less fuel costs exceeding transmission revenue requirements over the ten year analysis period.