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October 4, 2004

Ms. Blanca S. Bayó, Director
Division of the Commission Clerk
and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0850

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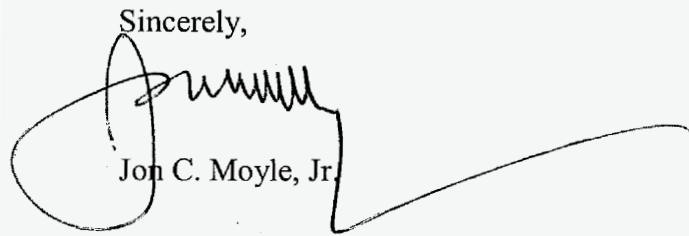
Re: Docket No. 040001-EI

Dear Ms. Bayó:

Enclosed for filing in the above-referenced docket are an original and fifteen copies each of the prepared direct testimony and exhibits of David E. Dismukes.

Also enclosed are two diskettes containing the above-referenced testimony and Attachment 1 thereto in Word format, as well as the Exhibits in PDF format.

Sincerely,



Jon C. Moyle, Jr.

CMP _____
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10662 OCT-4 04
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**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

**DOCKET NO. 040001-EI
FLORIDA POWER & LIGHT COMPANY**

**IN RE: FUEL AND PURCHASED POWER COST
RECOVERY CLAUSE AND GENERATING
PERFORMANCE INCENTIVE FACTOR**

**DIRECT TESTIMONY AND EXHIBITS OF:
DAVID E. DISMUKES**

OCTOBER 4, 2004

DOCUMENT NUMBER-DATE

10662 OCT-4 04

1 **I. INTRODUCTION**

2 **Q WOULD YOU PLEASE STATE YOUR NAME AND BUSINESS**
3 **ADDRESS?**

4 A My name is David E. Dismukes. My business address is 6455 Overton
5 Street, Baton Rouge, Louisiana.

6 **Q WOULD YOU PLEASE STATE YOUR OCCUPATION AND CURRENT**
7 **PLACE OF EMPLOYMENT?**

8 A I am a Consulting Economist with the Acadian Consulting Group (“ACG”),
9 a research and consulting firm that specializes in the analysis of regulatory,
10 economic, financial, accounting, and public policy issues associated with
11 regulated and energy industries. ACG is a Louisiana-registered partnership,
12 formed in 1995, and is located in Baton Rouge, Louisiana.

13 **Q HAVE YOU PREPARED ANY ATTACHMENTS TO YOUR TESTIMONY**
14 **OUTLINING YOUR QUALIFICATIONS IN ELECTRIC AND REGULATED**
15 **INDUSTRIES?**

16 A Yes. Attachment 1 to my testimony provides my academic vitae that
17 includes a full listing of my publications, presentations, and pre-filed expert
18 witness testimony, expert reports, and affidavits.

19 **Q WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

20 A My testimony is being sponsored by Power Systems Manufacturing, LLC
21 (“PSM”) and Thomas K. Churbuck to evaluate the reasonableness of Florida
22 Power and Light Company’s (“FPL” or “the Company”) proposal to recover the
23 costs associated with three purchased power agreements (“PPA”) with Southern

1 Company Services, Inc. ("SCSI"), a corporate affiliate of the Southern Company.
2 ("Southern"). Additionally, the Florida Industrial Power Users Group ("FIPUG")
3 has agreed to sponsor my testimony because it is consistent with the group's
4 stated policy of supporting wholesale competition for electric supply.

5 **Q HOW IS THE REMAINDER OF YOUR TESTIMONY ORGANIZED?**

6 A My testimony is organized into the following sections:

- 7 • Section II: Summary of Recommendations
- 8 • Section III: Summary of FPL's PPA Request
- 9 • Section IV: FPL's PPA Proposal Circumvents the Commission's
10 Competitive Bidding Process
- 11 • Section V: The Current Fuel Proceeding is an Inappropriate
12 Proceeding for Evaluating the Company's PPA Proposals
- 13 • Section VI: The Additional Benefits Claimed by the Company Appear
14 to be Limited and Do Not Overwhelm the Potential Upsides of a
15 Competitive Bidding Process
- 16 • Section VII: The Company's Review of the Market Does Not Appear to
17 be Complete and Includes a Number of Errors
- 18 • Section VII: Summary and Recommendations

19 **II. SUMMARY OF RECOMMENDATIONS**

20 **Q WOULD YOU PLEASE SUMMARIZE YOUR RECOMMENDATIONS?**

21 A I recommend that the Commission separate the cost recovery issue for
22 three purchased power contracts with subsidiaries of Southern from the
23 remaining issues in this fuel proceeding for the following reasons:

- 1 (1) The proposed purchased power contracts represent a considerable
2 commitment for FPL that extends well into the future. The proposal
3 raises numerous complex issues that should not be considered on
4 a relatively expedited basis.
- 5 (2) Because of the magnitude of this request, the terms, conditions,
6 and rates for these proposed contracts should be compared to the
7 best alternative available in the market. The Company has not
8 conducted a Request for Proposal ("RFP") process as envisioned in
9 the FPSC Rule 25-22.082; therefore, the Commission cannot be
10 assured that this resource proposal is the most cost effect in the
11 market for ratepayers. In fact, the Company has admitted that its
12 self-build option is some \$60 to \$80 million lower than the PPA
13 contracts FPL is asking the Commission to approve in this
14 proceeding. [Hartman Direct Testimony, 15: 17-18.]
- 15 (3) The extent to which the Company has queried the market is
16 questionable. Further, a number of the "additional benefits"
17 associated with these contracts are questionable. If the
18 Commission wishes to have the Company seek these types of
19 additional benefits, they should be written into the requirements of a
20 competitive RFP or similar solicitation submitted to the market.
- 21 (4) Separating this issue would not appear to harm ratepayers since
22 the Company has noted that its current contract terms with
23 Southern allow 6 months for regulatory approval or until

1 transmission rights are obtained, whichever is later. [Hartman
2 Direct Testimony, 6:17-18. Section 7.4.1 of the PPA contains a
3 transmission deadline date which has been redacted.]

4 (5) Separating this issue from the remaining issues in this docket, and
5 considering it in a more thorough fashion by testing the new
6 contracts against the competitive market through an RFP process,
7 would serve the public interest by ensuring “that a public utility's
8 selection of a proposed generation addition [inside or outside of
9 Florida] is the most cost-effective alternative available.” [F.A.C.,
10 FPSC Rule 25-22.082]

11 **Q DO YOU HAVE ANY ALTERNATIVE RECOMMENDATIONS?**

12 A Yes. If the Commission rejects my primary recommendation to separate
13 the issues associated with the Company's proposed PPA from this proceeding,
14 then I would recommend that the Commission not approve the Company's
15 proposed PPAs at this time. I base this alternative recommendation on the
16 following points:

- 17 (1) The Company has not conducted a thorough competitive bidding or
18 other procurement process for these resources;
- 19 (2) The Company has not provided complete and detailed information
20 in its filing proving that these PPAs are the least cost option
21 available to ratepayers.
- 22 (3) The Company has indicated that its self-build option is a lower-cost
23 resource than the proposed PPAs. The purported additional

1 benefits associated with the Company's proposed PPAs do not
2 offset these potential costs savings for ratepayers. The Company
3 should be required to compare this self-build option to all potential
4 contracts and resource alternatives in the market through a
5 competitive bidding process.

6 **III. SUMMARY OF FPL'S PPA REQUEST**

7 **Q WOULD YOU PLEASE PROVIDE SOME BACKGROUND ON THE**
8 **COMPANY'S FUEL FILING?**

9 **A** The Company has requested that the Commission approve its proposed
10 levelized fuel recovery charge for the period January 2005 through December
11 2005. In addition to setting the fuel recovery charge, the Company has
12 requested approval for recovery of three purchased power contracts with SCSl, a
13 subsidiary of Southern through the fuel and purchased power cost recovery
14 clause and the capacity recovery clause.

15 **Q PLEASE DESCRIBE THE THREE PURCHASED POWER CONTRACTS**
16 **THAT THE COMPANY HAS REQUESTED TO BE INCLUDED AND**
17 **APPROVED IN THIS DOCKET.**

18 **A** The contracts consist of:

- 19 • 165 megawatts ("MW") of firm capacity and energy from a coal
20 generation unit in Georgia;
- 21 • Up to 600 MW of energy and capacity from a combined cycle
22 facility in Alabama; and

- 1 • 190 MW of energy and capacity from an additional combined cycle
2 facility in Alabama.

3 The total contract amount for the three purchases is 955 MW. After allowances
4 for transmission losses that occur on the Southern system (not considering the
5 additional transmission losses on the FPL system), the net injection into the
6 Company's system would be 930 MW. All three contracts begin on June 1, 2010
7 and end on December 31, 2015. The contracts tied to natural gas units include
8 options for additional two-year extensions that can be exercised presumably at
9 any time prior to January 2010. The contribution each of these contracts makes
10 to the total purchase amount is provided in Exhibit DED-1. The proposed PPAs
11 represent new contracts that follow up on an existing agreement referred to as
12 the Unit Power Sales Agreement (the "UPS Agreement"). However most of the
13 units to which these new contracts are tied, differ from the original UPS
14 Agreement. The original agreement expires on May 31, 2010, roughly six years
15 from the current date.

16 **IV. FPL'S PPA PROPOSAL CIRCUMVENTS THE COMMISSION'S**
17 **COMPETITIVE BIDDING RULE**

18 **Q WHY DOES THE COMPANY'S PPA PROPOSAL CIRCUMVENT THE**
19 **COMMISSION'S COMPETITIVE BIDDING RULES?**

20 **A These new contracts circumvent if not the Commission's bidding rule**
21 itself, then at least the spirit of the rule. The PPA has not been subjected to a
22 competitive bidding process, and has only been "tested" to the market in an
23 incomplete and cursory manner. Section 25-22.082 of the Commission's Rules

1 outlines a process that utilities are required to follow in evaluating the need and
2 selection of additional generating capacity. This rule requires utilities to compare
3 proposed resource acquisitions to a RFP process. The competitive bidding
4 provisions of this rule were established to ensure that the most cost effective
5 resources are secured for ratepayers. By testing the competitive market, the
6 Commission can be assured that the least cost resource has been secured for
7 ratepayers.

8 **Q DOES THE COMPETITIVE BIDDING RULE RELATE ONLY TO THE**
9 **CONSTRUCTION OF NEW GENERATING FACILITIES?**

10 A Strictly speaking, yes. The Scope and Intent section of the Rule notes
11 that the purpose of the competitive bidding requirement is to provide the
12 Commission with information in evaluating utility proposals under F.S. Section
13 403.519, also known as the Power Plant Siting Act. This statute outlines the
14 terms and conditions under which utilities are allowed to construct new power
15 plants in the state. The Company's proposed PPA is not associated with the
16 construction of a new facility. However, the size and magnitude of the capacity
17 represented by these contracts, nearly 1,000 MW, is comparable to a large
18 generating facility. In order to assess the justness and reasonableness of these
19 proposed new contracts, the Commission should subject them to a competitive
20 bidding process.

21 **Q SHOULD THE COMMISSION BE PRECLUDED FROM REQUIRING**
22 **COMPETITIVE BIDDING IN INSTANCES OF THIS NATURE?**

1 A No. In addition to assuring that the least cost resource is secured for
2 ratepayers, the competitive bidding process also creates a number of other
3 positive opportunities for utility ratepayers. First, the process opens up a formal
4 proceeding under which ratepayers can comment on a utility's plans to secure
5 new generating capacity, regardless of whether that capacity is secured through
6 new contracts or the construction of a new plant. Second, the process gives
7 ratepayers some realistic period of time to evaluate the reasonableness of utility
8 proposals, prepare comments, and offer constructive input to the Commission.
9 Lastly, the process gives competitive providers an opportunity to compete directly
10 with utility proposals, securing for ratepayers an opportunity to verify utility
11 behavior.

12 **Q IS THIS PPA RENEWAL THE LEAST COST OPTION CURRENTLY**
13 **AVAILABLE TO THE COMPANY?**

14 A No. The Company has estimated the cost of a self-build option and has
15 noted that the cost of this option ranges from **\$60 to \$80 million in 2004 dollars**
16 lower than its current PPA proposal with Southern.

17 **Q THE COMPANY HAS NOTED THAT THE ADDITIONAL BENEFITS**
18 **ASSOCIATED WITH THE PROPOSED PPA JUSTIFY THEIR ADOPTION**
19 **OVER A SELF-BUILD OPTION. DO YOU AGREE?**

20 A No, for a number of reasons. First, as the Company admits, a number of
21 the benefits associated with the contracts are subjective and highly variable.
22 Fuel prices, for instance, are known to swing and become quite variable, and
23 what may appear to be a solid fuel option benefit today, could be considerably

1 dampened in the future. Second, while some of these benefits may actually be
2 positive, none appear to be overwhelming enough to offset the \$60 to \$80 million
3 in ratepayer benefits that are quantifiable in today's dollars. Third, a large
4 number of the benefits outlined by the Company, like firm gas transportation on a
5 non-Florida gas transmission line, could be written into a solicitation presented to
6 the market.. Fourth, and most importantly, all of these purported benefits could
7 ultimately be secured if Southern were to bid them into a RFP process and win
8 the resulting bid. This outcome would be a "win-win" for the Commission if FPL
9 proved that this Southern proposal, after a comparison to all market alternatives,
10 was the lowest cost alternative. In such an instance, the "benefits" outlined by
11 the Company would be secured, and the Commission could ensure that the
12 least-cost resource was selected for ratepayers.

13 **Q BY ACKNOWLEDGING THESE SAVINGS AREN'T YOU SUPPORTING**
14 **THE COMPANY'S SELF-BUILD OPTION?**

15 A No. The self-build option sets the lower threshold of potential ratepayer
16 savings that could be obtained if this PPA were compared to the market. The
17 Commission has nothing to lose by requiring FPL to submit this resource need to
18 the market or by refusing to approve the PPA at this time, signaling to FPL the
19 Commission believes it prudent to actively and thoroughly test market before
20 rushing to seek approval of these contracts. At a minimum, by FPL's own
21 estimates, ratepayer savings could range from \$60 to \$80 million, or more if a
22 lower cost competitive offer is submitted and wins the award.

1 **V. THE CURRENT FUEL PROCEEDING IS AN INAPPROPRIATE**
2 **PROCEEDING FOR EVALUATING THE COMPANY'S PPA PROPOSALS**

3 **Q DO YOU BELIEVE THAT THE CURRENT FUEL PROCEEDING IS THE**
4 **MOST APPROPRIATE PLACE TO CONSIDER THE COMPANY'S PPA**
5 **REQUEST?**

6 A No. These contracts should not be addressed in this proceeding for a
7 number of reasons. First, the proposed PPAs have nothing to do with the
8 proposed 2005 fuel adjustments currently being reviewed by the Commission.
9 Second, these PPAs are more appropriately addressed under the context of a
10 proceeding directed by the requirements of the Commission's Capacity Addition
11 Rule. Third, the PPAs involve a significant commitment of resources and present
12 a host of issues that are better evaluated in a proceeding that is not being rushed
13 to conclusion.

14 **Q WOULD YOU PLEASE ELABORATE ON YOUR FIRST POINT?**

15 A Yes. The purpose of the current fuel proceeding is threefold. The first is
16 to true up prior year(s) projected to actual fuel costs to account for any
17 over/under collections in the fuel adjustment clause. The second is to determine
18 the reasonableness of fuel rates presently being charged by the Company for the
19 current year. The third is to review and determine the reasonableness of fuel
20 rates that will be charged by the Company over the next year. The PPAs
21 proposed by the Company will not be initiated for six years (2010) and their
22 renegotiation has little to do with 2005 fuel costs or purchased power. The

1 Commission would have plenty of time to review this proposal outside of the
2 context of determining the upcoming years' fuel costs.

3 **Q AS A PRACTICAL MATTER, DO YOU THINK THE INCLUSION OF THE**
4 **PPA ISSUE IN THE CURRENT PROCEEDING UNNECESSARILY EXPEDITES**
5 **THE REVIEW PROCESS FOR THE PROPOSALS?**

6 A Yes. The Company's request for these new PPAs was provided in its pre-
7 filed testimony on September 9, 2004. Interveners have been required to review
8 the reasonableness of this request, issue and analyze discovery, and file
9 opposing testimony by October 4, 2004 – a period slightly over 3 weeks. The
10 FPSC Staff will only have an additional week to review the Company's proposal,
11 as well as other intervener's positions. It is my opinion that this review period is
12 exceptionally quick for a capacity addition of this magnitude.

13 **Q DO THE TIMELINES AND NOTIFICATION PERIODS UNDER THE**
14 **COMMISSION'S CAPACITY ADDITION RULES PROVIDE MORE TIME FOR**
15 **EVALUATION THAN THE CURRENT PROCEEDING?**

16 A Yes. The Commission's Rules provide several opportunities for advance
17 notification and analysis when a utility has a resource acquisition need. For
18 instance, the Commission's Rules first require a utility to announce and publish
19 its resource requirement need and its Request for Proposals ("RFP") in various
20 publications. The Company must then provide at least 60 days for responses to
21 the RFP as well as any additional time if changes are made to the RFP, or the
22 Company alters its own estimates of its self-build option. Next, the Company
23 must review and determine if its self-build option is more cost effective than any

1 proposals received. The process is reasonable and appears to be developed in
2 a manner that balances the need for a thoughtful analysis with a conscientious
3 decision. The process can feasibly be completed within a six month period – a
4 period much longer than the one month interveners have had in this proceeding.

5 **Q IS IMMEDIATE APPROVAL OF THE PROPOSED CONTRACTS**
6 **IMPERATIVE?**

7 A No. The Company claims that the current provisions of its contracts allow
8 for the longer of six months to obtain regulatory approval as well as any time
9 needed to obtain firm transmission rights. [Hartman Direct Testimony, 18:6.]
10 Additionally, if the Company were to issue a RFP for capacity, Southern would be
11 eligible to bid the current contracts against other bidders. Thus, there is minimal
12 impact on either company with the issuance of an RFP, and only potential gains
13 to ratepayers should any better offers surface. If an RFP process were
14 conducted, the Commission could be satisfied that the purchased power
15 contracts are the best alternative available.

16 **Q DOES THE EXPIRATION OF THE EXISTING UPS AGREEMENT WITH**
17 **SOUTHERN REPRESENT THE MOST IMMEDIATE RESOURCE ISSUE THE**
18 **COMPANY NEEDS TO ADDRESS WITHIN THE CONTEXT OF ITS LAST TEN**
19 **YEAR SITE PLAN?**

20 A **No, while the** Company has noted that contract negotiations are an issue
21 throughout the 2004-2013 resource acquisition process, the two more immediate
22 resource requirements include the projected construction of two new combustion
23 turbine units at the Midway site in 2008, or an alternative resource(s) as obtained

1 through an RFP; and the projected construction of a new combined cycle unit at
2 the Corbett site in 2009, or an alternative resource(s) as obtained through an
3 RFP ["Ten Year Power Plant Site Plan, Florida Power & Light, submitted to
4 Florida Public Service Commission, April 2004]. It would appear that in the order
5 of addressing resource needs, these two potential projects would be more
6 pressing than the proposed PPAs under consideration in this proceeding.

7 **Q THERE HAS BEEN AN ONGOING PROCEEDING AT THE FERC**
8 **RELATED TO MARKET POWER ISSUES AS THEY RELATE TO SOUTHERN**
9 **COMPANY. HOW DOES THIS IMPACT THE TIMING OF THE COMMISSION'S**
10 **CONSIDERATION OF THIS PROPOSAL?**

11 A There has been an ongoing analysis of market power issues in the
12 southeast for several years. The FERC initiated a review of rates when Southern
13 Company, Entergy, and AEP all submitted applications in support of their
14 triennial market-based rate authority. Subsequently in 2001, the FERC decided
15 to change the manner in which it evaluated market power issues away from the
16 more traditional "hub-and-spoke" analysis to one that is called a "standard
17 market assessment" ("SMA"). Under the standards of the new test, Southern, as
18 well as the other two utilities that were part of the proceeding, were found to fail
19 their market power screen, indicating that further analysis of market power was
20 required.

21 **Q WERE THESE UTILITIES, INCLUDING SOUTHERN, DENIED MARKET**
22 **BASED RATE AUTHORITY?**

1 A No. While each of the utilities failed the new SMA test, the FERC received
2 several motions for rehearing on the soundness of the SMA standard. It acted
3 on these motions by soliciting several rounds of comments, holding a technical
4 conference, and soliciting feedback on a FERC Staff paper. The process
5 concluded on April 14, 2004 and resulted in two new indicative tests being
6 adopted to screen for market power.

7 **Q DID THE FERC ALLOW A REHEARING ON THIS ORDER?**

8 A No, the FERC denied a rehearing on the April 14, 2004 Order, but offered
9 clarifications in its Order on Rehearing issued July 8, 2004.

10 **Q DID FERC ISSUE A RECENT ORDER REQUIRING SOUTHERN TO
11 MAKE A MARKET POWER FILING BASED UPON ITS NEW TESTS?**

12 A Yes. On July 8, 2004 the FERC issued an Order on Rehearing that
13 requires a pair of tests to be passed to screen for indications of market power
14 prior to an applicant's receiving market based rate approval. The first test, a
15 "Pivotal Supplier Test," is an analysis based on a control area's peak demand
16 and the second is a "Market Share Test." Failing either test leads to the
17 presumption of market power, but the applicant is allowed to rebut the
18 presumption with additional data.

19 **Q WHAT ELSE DID THE ORDER REQUIRE?**

20 A The order required Southern Company Energy Marketing, LP, among
21 other utilities, to file generation power market analyses within 30 days of the
22 Order on Rehearing.

23 **Q HAS SOUTHERN FILED THE REQUIRED INFORMATION?**

1 A Yes, Southern submitted a compliance filing on August 9, 2004 to the
2 FERC in Docket No. ER97-4166-015 and has noted that it "...fails the
3 Commission's wholesale market share screen in the Southern control area."
4 [Southern Company Compliance Filing, SC-20: ¶19.]

5 **Q HOW DOES THIS IMPACT THE TIMING ISSUES ASSOCIATED WITH**
6 **FPL'S PROPOSED PPAS WITH SOUTHERN?**

7 A The recent decision, and filing by Southern, creates uncertainty
8 associated with FPL's proposed PPA. One question that the Commission should
9 consider is that if Southern is found by the FERC to have market power, and the
10 FERC removes Southern's market-based rate authority, what will happen to any
11 contracts like the one proposed by FPL? Will these contracts be grandfathered
12 to their contracted terms, or will Southern be required to provide FPL (and Florida
13 ratepayers) cost-based rates? I believe this is an important issue, and justifies
14 spinning this issue into a separate proceeding, and taking a "go-slow" approach.

15 **VI. THE ADDITIONAL BENEFITS CLAIMED BY THE COMPANY APPEAR TO**
16 **BE LIMITED AND DO NOT OVERWHELM THE POTENTIAL UPSIDE OF A**
17 **COMPETITIVE BIDDING PROCESS**

18 **Q WOULD YOU PLEASE EXPLAIN THE ADDITIONAL BENEFITS THE**
19 **COMPANY CLAIMS SUPPORT APPROVAL OF ITS PPA REQUEST?**

20 A The Company has noted that the proposed PPAs offer a number of
21 additional benefits that include:

22 (1) Fuel diversity by including some 165 MW of coal generation;

- 1 (2) Optionality by allowing the Company first rights of refusal on any
- 2 future coal capacity presumably offered to the market from two of
- 3 Southern's coal units;
- 4 (3) Retention of 930 MW of firm power transmission rights;
- 5 (4) Firm gas transportation rights on a pipeline independent of the two
- 6 currently serving Florida;
- 7 (5) Increased reliability by having the ability to secure capacity and/or
- 8 purchased energy from outside Florida; and
- 9 (6) The ability to defer making a long term commitment on a self-build
- 10 or longer term PPA. [Hartman Direct Testimony, 9:7-22; 10:1-4.]

11 **Q DO YOU AGREE THAT THESE BENEFITS ARE IMPORTANT ENOUGH**
12 **FOR THE COMMISSION TO ALLOW THE COMPANY TO AVOID**
13 **CONDUCTING AN RFP PROCESS?**

14 A No. While several of these benefits appear important on the surface,
15 many are questionable in nature, and even if they were to materialize, are not
16 significant enough to justify the Commission giving the Company a pass on
17 conducting an RFP process for a 930 MW capacity acquisition. Further, most all
18 of the benefits outlined by the Company could be included as requirements in a
19 future RFP solicitation. In such an instance, these additional benefits could be
20 secured, along with the knowledge that the new contracts were the most
21 economical in the market.

1 **Q TWO OF THE BENEFITS LISTED BY THE COMPANY ARE RELATED**
2 **TO SECURING SOLID FUEL-BASED RESOURCES. DO YOU AGREE THAT**
3 **THESE ARE IMPORTANT BENEFITS?**

4 **A** Not entirely. While there are some solid fuel benefits associated with this
5 contract, only 165 MW of the entire proposed PPA agreement is associated with
6 coal generation. This represents only 17 percent of the total agreement, and less
7 than one percent (0.7 percent) of the Company's overall generation mix. The
8 overwhelming bulk of this proposed contract is associated with natural gas-fired
9 resources (83 percent). While a portion of this agreement is solid fuel-based, it is
10 such a small percentage, and does not make a meaningful impact on the
11 Company's overall generating fuel mix. Further, if the Company is interested in
12 securing solid fuel, or solid fuel-type resources, it should indicate such in a
13 solicitation to the market.

14 **Q WHAT ABOUT THE FIRST RIGHT OF REFUSAL THE COMPANY WILL**
15 **GET ON THE TWO SOUTHERN COAL UNITS?**

16 **A** These potential options are problematic for two reasons. First, it is not
17 clear when, where, and to what extent Southern Company would ever make any
18 capacity and/or energy available from these units. The Company's filing is not
19 clear in this regard so it is virtually impossible to determine whether this is a
20 meaningful opportunity. Second, even if Southern were to offer a substantial
21 portion of these units to the market, and even if FPL were interested in acquiring
22 this capacity, such procurement should also be subjected to market forces..
23 This is an option that the Company should not be allowed to exercise without

1 ensuring that other more competitive opportunities (including other solid fuel
2 options) are not available in the market.

3 **Q WHAT ABOUT THE BENEFITS ASSOCIATED WITH RETAINING 930**
4 **MW OF FIRM POWER TRANSMISSION CAPACITY FROM SERC?**

5 A The ability to secure 930 MW of transmission rights from SERC into
6 Florida may have some benefits, but the conditions under which these benefits
7 could be realized are not clearly explained in the Company's proposal. One
8 potentially bothersome issue is the nature to which these transmission rights are
9 tied exclusively to obtaining power from Southern Company, as opposed to being
10 used by any other competitive energy providers in the SERC region that may
11 want to serve FPL. The Company has noted the conditions precedent in the
12 contracts are linked throughout all three potential agreements. The Company
13 states that "...although separate in form and relating to different generating units,
14 [these three contracts] in fact constitute a single, composite power purchase
15 option for purposes of the Commission's review and approval." [Hartman Direct
16 Testimony, 6:22; 7:1.] Thus, it appears that the Company's position is that if it
17 wants to maintain these transmission benefits, they have to sign this deal with
18 Southern.

19 **Q UNDER WHAT TERMS AND CONDITIONS WILL THE COMPANY BE**
20 **ABLE TO ROLL-OVER ITS TRANSMISSION RIGHTS WITH SOUTHERN?**

21 A According to the Company, it will be able to roll-over its grandfathered
22 transmission rights if it can show that the changed delivery points from the
23 existing agreement do not cause substantial changes in the transmission

1 provider's flows. [Hartman Direct Testimony, 8: 2-5.] The Company indicates
2 that given the relative similarity in the flows, it "should" be able to secure these
3 rights. [Hartman Direct Testimony, 8: 12-15.] However, the Company offers little
4 in the way of evidence to support its contention that it "should" be able to secure
5 these rights.

6 **Q HAVE ROLLOVER RIGHTS BEEN USED BY A WHOLESALE**
7 **CUSTOMER TO TAKE SERVICE FROM A COMPETITIVE MERCHANT**
8 **PROVIDER?**

9 A Yes. There have been instances where wholesale customers have
10 attempted to roll these transmission rights over for use with competitive
11 providers, as opposed to vertically-integrated utilities. A recent example of a
12 challenge on this issue before the FERC was associated with Williams Energy
13 Company ("Williams") and Southern (FERC Docket ER03-379-001). In this
14 instance, Williams attempted to use the rollover rights of Oglethorpe Power Corp
15 to carry power over Southern's system. While Southern attempted to impose a
16 number of stringent conditions on the transaction, they were ultimately overruled
17 by the FERC. So, FPL's position that the benefits of the transmission rights are
18 limited to just this transaction with Southern does not appear to be correct.
19 These rights could be transferred to other competitive providers in the potential
20 flow path of the transaction. So the Company could at least attempt to maintain
21 these benefits even if they enter into a competitive bidding process.

1 **Q ARE THERE ANY OTHER NON-UTILITY GENERATION RESOURCES**
2 **THAT ARE LOCATED IN THE GENERAL VICINITY OF THE UNITS TO WHICH**
3 **THE CONTRACTS ARE TIED?**

4 A Yes. Exhibit DED-2 shows that there are at least 5 existing generators
5 that are in very close proximity to those units from which the Company is getting
6 its power under the proposed Southern PPAs. These generators have a total
7 capacity of 2,600 MW. Although a number of these units may be under contract,
8 or unavailable as a supply alternative, the fact highlights that there are a number
9 of competitive alternatives in the region for which the Company has made only a
10 cursory review.

11 **Q WHAT IS THE COMPANY'S BASIS FOR THE GAS TRANSMISSION**
12 **BENEFITS ASSOCIATED WITH THE PROPOSED PPA CONTRACTS?**

13 A According to the Company, Southern will use its firm transportation
14 service on Southern Natural Gas Company ("SONAT") to serve the plants
15 supporting the proposed PPA agreements. Southern will give priority scheduling
16 for firm transportation to the natural gas facilities serving FPL and cannot "cancel
17 or replace the existing firm gas transportation contracts without FPL's consent."
18 [Hartman Direct Testimony, 13: 13-14.] The Company believes the gas-related
19 benefits of these contracts are twofold: (1) they increase the diversity of firm gas
20 transportation to the Company; and (2) they increase gas transportation
21 availability for other transportation users in Florida.

1 **Q DO YOU AGREE THESE ARE IMPORTANT BENEFITS?**

2 A Not entirely, and even if there are some benefits associated with these
3 firm gas transportation contracts, they would appear to be minimal, at best.
4 Further, it is not clear how these benefits are unique to the proposed PPAs with
5 Southern. If the Company has some need for firm gas transportation diversity,
6 they could easily detail provisions of this nature in a future solicitation to the
7 market. Merchant generators are located throughout the southeast, on a variety
8 of pipeline systems, and have the opportunity to offer similar provisions in
9 proposed contract submissions. Further, since the Company has not conducted
10 an RFP process in this proceeding, it is impossible to determine if the nature of
11 these benefits are unique.

12 **Q IS FIRM GAS TRANSPORTATION AVAILABILITY PERCEIVED TO BE**
13 **A PROBLEM IN FLORIDA NOW?**

14 A Historically, Florida has had limited gas transportation infrastructure. The
15 two major pipelines include Florida Gas Transmission ("FGT") and the relatively
16 newer Gulfstream Pipeline System ("Gulfstream"). Currently, these systems
17 have some 3.3 billion cubic feet per day ("Bcf/d") import capabilities. The state's
18 2003 total natural gas use is estimated to be 2.75 Bcf/d. Thus, while peak day
19 requirements may be higher, utilization of these pipelines right now is
20 somewhere around 80 percent. The real issue, however, is not what these
21 utilization levels are now, but what they will be around 2010.

1 **Q DO YOU SEE THE OPPORTUNITIES FOR NATURAL GAS SUPPLY**
2 **AND TRANSPORTATION DIVERSITY IN FLORIDA INCREASING OR**
3 **DECREASING PRIOR TO 2010?**

4 A Actually increasing. As seen in Exhibit DED-3, there are a number of
5 proposed pipelines and pipeline extensions in Florida that should be on line prior
6 to 2010. These include two potential expansions of the Gulfstream project, and
7 three new lines moving liquefied natural gas ("LNG") from the Bahamas to
8 Florida. Combined, these lines should have the ability to move an additional 2.7
9 Bcf/d into the state. The FPSC Staff's most recent Ten Year Site Plan review
10 anticipates total statewide natural gas demand to be around 3.48 Bcf/d by the
11 year 2012. If this demand forecast is accurate, then there will be, on average,
12 some 2.54 Bcf/d of excess capacity by 2012.

13 **Q THE COMPANY HAS NOTED WHAT IT PERCEIVES TO BE A**
14 **NUMBER OF "OTHER" IN-STATE BENEFITS ASSOCIATED WITH THE**
15 **PROPOSED PPAS, BUT AREN'T THERE A NUMBER OF IMPORTANT**
16 **ECONOMIC BENEFITS ASSOCIATED WITH ENCOURAGING IN-STATE**
17 **GENERATION?**

18 A Yes. Power generation facilities represent major capital investments
19 regardless of whether they are developed by regulated utilities or merchant
20 generators. Typically, these facilities can create three types of benefits: the one-
21 time economic benefits associated with the construction of a facility; the ongoing
22 economic benefits associated with the operation of a power generation facility;
23 and the lower cost power generated from more efficient generators. It is not

1 uncommon for typical projects to create hundreds of construction jobs, increased
2 regional economic output, and increased tax collections, particularly property
3 taxes in the county where the power plant is located. Additionally, the wages
4 associated with these facilities are typically higher than average and can be as
5 high as \$60,000 per year.

6 **Q WHY SHOULD THE COMMISSION BE CONCERNED ABOUT THIS?**

7 **A** I would argue that accepting the Company's proposed PPAs, as they have
8 been presented in this proceeding, makes both bad regulatory policy and if the
9 Commission is interest in "other" benefits, then it would be bad economic
10 **development policy.** From a regulatory policy perspective, the contracts are
11 admittedly a higher-cost resource than FPL's own self-build option and have not
12 been subjected to a competitive bidding process.. From an economic
13 development perspective, if the goal for securing power is to maximize a number
14 of "other" in-state benefits, then it is not clear why the Commission would want to
15 sign contracts that support higher cost resources in another state, when it could
16 promote either a self-build option, or a merchant generation option in Florida and
17 capture the benefits associated with the development of those resources, in
18 addition to lower cost electricity.

19 **VII. THE COMPANY'S REVIEW OF THE MARKET DOES NOT APPEAR TO**
20 **BE COMPLETE AND INCLUDES A NUMBER OF ERRORS**

21 **Q IS THERE A CONSIDERABLE AMOUNT OF MERCHANT CAPACITY**
22 **DEVELOPMENT IN SERC?**

1 A Yes. It is a well-recognized fact that SERC is one of the most highly
2 developed regions for merchant generation in the U.S. Exhibit DED-4 shows this
3 development with a map of existing merchant facilities in the SERC region.
4 Currently, there are 56 non-peaking merchant facilities with 30,537 MW of
5 generation capacity in the SERC region. In addition, there is 13,259 MW of
6 capacity that is under construction or planned for the next 5 years.

7 **Q IS THIS DEVELOPMENT EVEN THROUGHOUT SERC?**

8 A No, as shown in Exhibit DED-5, there are four sub-regions in the SERC:
9 Entergy, Southern Company, the Tennessee Valley Authority ("TVA"), and the
10 Virginia-Carolinas Reliability Region ("VACAR"). Currently, the Entergy sub-
11 region has 12,934 MWs of non-peaking merchant generation capacity, the
12 Southern Company subregion has 7,548 MW, the TVA subregion has 4,882 MW,
13 and the VACAR subregion has 5,137.

14 **Q HOW MUCH MERCHANT DEVELOPMENT HAS TAKEN PLACE IN**
15 **FRCC?**

16 A Currently, there are 19 merchant plants with a total of 6,170 MW of
17 generating capacity operating in the FRCC region. When these resources in
18 FRCC are combined with those available in the SERC, there are some 75
19 merchant plants with a total of 36,707 MW of generating capacity in the
20 southeast. A map of the FRCC development has been provided in Exhibit DED-
21 6.

22 **Q HOW MUCH MERCHANT GENERATION HAS BEEN IDENTIFIED BY**
23 **THE COMPANY IN THE SERC REGION?**

1 A The Company has identified some 21,800 MW of merchant capacity that
2 is available in the market, and could serve as a potential candidate to serve its
3 resource needs. This is almost 60 percent lower (14,907 MW) than the amount
4 of non-peaking merchant capacity identified as being active in the region by the
5 U.S. Department of Energy and summarized in Exhibits DED-4 and DED-5.

6 **Q WHAT IS THE DIFFERENCE BETWEEN YOUR ANALYSIS AND THAT**
7 **OF THE COMPANY?**

8 A The Company's initial analysis excludes a number of areas in the
9 southeast and appears to focus on a select number of generators on the TVA
10 border and within the Southern Company and Entergy sub-regions. For
11 instance, the merchant facilities in the non-FRCC region of Florida are excluded,
12 as well as the merchant facilities in VACAR and FRCC. While merchant facilities
13 located in VACAR are some distance away, it is not plausible to assume all of
14 them cannot, or do not, have firm transmission into-SERC from which they could
15 then serve FPL. Further, it is not clear why plants located close to home (i.e., in
16 Florida) have not been considered as potential candidates to meet the
17 Company's resource needs.

18 **Q HAS THE COMPANY RULED OUT A LARGE NUMBER OF THESE**
19 **FACILITIES AS BEING INELIGIBLE TO SERVE FLORIDA LOADS?**

20 A Yes. The Company has ruled out a large portion of the available
21 generation in the southeast as being located in areas that are "transmission
22 constrained." The Company has not identified the nature of this constraint, failed
23 to offer any studies or analysis to support its assertion, and has assumed that

1 none of the generators in the region have the ability to get around this constraint.
2 As a result, some 16,400 MW, or 75 percent of all generators identified as being
3 available by the Company in the southeast, are taken off the table as being
4 candidates to serve the FPL's resource requirements.

5 **Q WERE THERE SOME OPERATING UNITS OMITTED?**

6 A Yes, some of these facilities which FPL omitted include Santa Rosa (236
7 MW), Wansley (1,066 MW), Effingham (490 MW), and the large cogeneration
8 project in Plaquemine (859 MW). The Company has also excluded at least one
9 solid fuel option – the Big Cajun 2 unit (1,730 MW) in Louisiana.

10 **Q ARE SOME OF THE UNITS IN THE COMPANY'S ANALYSIS**
11 **MISPLACED?**

12 A Yes. Plant Daniel (2,136 MW) is located in southern Mississippi in the
13 Southern Company sub-region, not what the Company is representing as the
14 constrained Entergy sub-region. Hog Bayou (230 MW) is located north of
15 Mobile, Alabama, and is in the Southern Company sub-region, not what the
16 Company represents as the constrained Entergy sub-region. These two plants
17 alone, amounting to a total of 2,366 MW, increases the set of "non-constrained",
18 "viable alternatives," facilities available to serve the Company by some 45
19 percent.

20 **Q DOES THE COMPANY CONSIDER ANY MERCHANT FACILITIES**
21 **THAT ARE CURRENTLY UNDER CONSTRUCTION?**

22 A No. In addition to existing merchant generation that has been completed
23 and is in operation,, a number of merchant generators are located in the SERC

1 region, currently under construction, and scheduled to come on-line prior to
2 2010. Exhibit DED-7 provides a map of these facilities throughout the southeast.
3 Currently, 6 facilities are being constructed in the region, amounting to 4,542 MW
4 of potential capacity that could serve FPL loads. Some 45 percent of that under
5 construction development is located in SERC, and outside of the areas the
6 Company considers "constrained."

7 **Q ARE THERE ANY OTHER POTENTIAL MERCHANT CANDIDATES IN**
8 **THE REGION THAT COULD SERVE FPL?**

9 **A** A number of merchant facilities are considered to be "under development"
10 in the SERC region. Some of these facilities are speculative at this time, and
11 given current market conditions, are probably not likely to get built without some
12 kind of firm contract for the plant output. Nevertheless, they do represent
13 potential opportunities for the Company, especially when one considers that the
14 energy and capacity represented by the PPA is not to be delivered until June 1,
15 2010. As shown in Exhibit DED-8 currently, there are 12 facilities under
16 development in the southeast, amounting to approximately 8,717 MW of
17 capacity.

18 **Q SO DO YOU SEE GENERATION MARKETS IN THE SOUTHEAST AS**
19 **BEING LIMITED?**

20 **A** No. All told, there is considerable existing development, and potential
21 development, in this market. Exhibit DED-9 combines all of the types of facilities
22 discussed earlier into one map.

1 **Q IN ITS MARKET ANALYSIS, THE COMPANY HAS NOTED THAT**
2 **MANY AREAS OF THE SOUTHEAST, PARTICULARLY THOSE IN THE**
3 **ENTERGY SUB-REGION, ARE TRANSMISSION CONSTRAINED. DO YOU**
4 **AGREE WITH THIS ANALYSIS?**

5 A Not entirely. The Company has summarily removed some 16,400 MW of
6 competitive merchant capacity from its analysis because these facilities are
7 located within areas that are currently transmission constrained (or not on the
8 Southern Company system). Based upon the Company's analysis, these
9 constrained facilities represent some 75 percent of all available merchant
10 generation in the southeast. Of particular note is the fact that virtually every
11 merchant power plant in the Entergy sub-region of SERC has been taken off the
12 table for consideration by the Company. This is important since the Entergy sub-
13 region accounts for 42 percent of all merchant generation in the SERC region.

14 **Q DO YOU THINK THE ANALYSIS IS REASONABLE?**

15 A No. I do not believe this is reasonable for a variety of reasons. First, the
16 Company has failed to specifically identify, or offer real evidence about the types
17 of problems that are constraining the delivery of merchant generation from the
18 Entergy sub-region to Florida. It appears the Company assumes that all
19 generators in that region are subjected to the same constraint. Second, the
20 Company's analysis is static and based upon problems that even if accepted, are
21 based upon operating conditions today, not in 2010.

22 **Q DO YOU FORESEE CONSIDERABLE INVESTMENTS IN SERC**
23 **TRANSMISSION INFRASTRUCTURE OVER THE NEXT SEVERAL YEARS?**

1 A It would appear that way. The most recent report provided by the North
2 American Electric Reliability Council (“NERC”) indicates that SERC will be the
3 fastest growing region in North American for transmission investments. For
4 instance, Exhibit DED-10 shows the proposed increases in the circuit-miles of
5 transmission lines, with voltages of 230 kV and greater, over the next several
6 years. SERC will be growing by over 8 percent over the next decade. Almost
7 1,350 miles of new transmission is proposed for construction through 2008, with
8 an additional 1,085 miles being added between 2009 and 2013. The total
9 forecasted investment over the next decade could be as great as 2,434 miles. In
10 fact, transmission investments in the SERC represent close to 50 percent of all
11 forecasted additions in the U.S. over the next decade.

12 **Q WHAT ABOUT THE FRCC?**

13 A Growth in transmission investments in FRCC, while not as considerable, is
14 still relatively substantial. NERC forecasts show that the FRCC transmission
15 could increase by 6 percent by adding 360 circuit miles of transmission lines by
16 2008, and an additional 81 circuit miles by 2013. **Growth in transmission**
17 **investment in FRCC is third behind MAIN and SERC on a relative basis.**

18 **Q HAS THE COMPANY COMPARED THE PROPOSED CONTRACTS**
19 **WITH ANY OTHER CONTRACTS?**

20 A The Company claims that it has compared the proposed contracts with
21 three publicly available sources of information. These include:

- 22 (1) Actual sales associated with the Tenaska Lindsey Hill project;
23 (2) Actual sales associated with the Central Alabama unit; and

1 (3) A proposed sale between Southern Power Company and one of its
2 affiliates (Georgia Power) that requested approval before the FERC
3 in Docket No. ER03-713-000 (hereafter "Southern Power-Georgia
4 Power" contracts).

5 **Q DO YOU THINK THE COMPARISONS BETWEEN THE TENASKA AND**
6 **CENTRAL ALABAMA UNITS ARE COMPARABLE TO THE COMPANY'S**
7 **CURRENT PPA PROPOSAL?**

8 A No. It is not clear if this sale represents a true "apples-to-apples"
9 comparison. FPL's comparison is ambiguous, and is remarkable for its lack of
10 documentation and detail. It would appear from the Company's discussion that
11 the capacity values with these sales may actually be lower than the proposed
12 PPAs in this proceeding. But, as the Company notes, the purchase amounts are
13 higher when the respective operating conditions are taken into consideration.
14 While this difference could be related to potential heat rate differentials, the
15 Company is entirely ambiguous on: (1) what the operating differences really are;
16 (2) how substantial those differences are; and (3) how they are adjusted for a
17 2010 delivery date.

18 **Q ARE THE SOUTHERN POWER-GEORGIA POWER CONTRACTS**
19 **NOTED BY THE COMPANY A VALID COMPARISON?**

20 A No. These contracts, which were submitted to the FERC for approval,
21 were very controversial. Several interveners to the proceeding claimed that
22 Southern Power was given preferential treatment in the award due to its affiliate
23 status. Ultimately, Southern decided to withdraw its application for approval of

1 the contracts from the FERC. Thus, these contracts should not be used for
2 comparison purposes since (1) the legitimacy of the bids was questioned and (2)
3 the contracts were never completed and ultimately withdrawn.

4 **Q NOTWITHSTANDING THE VALIDITY OF THESE CONTRACTS, DO**
5 **YOU THINK THE APPROACH THE COMPANY USED TO MAKE ITS**
6 **CONTRACT COMPARISONS IS VALID?**

7 A No. While I have not had the opportunity to see the pricing terms
8 associated with the proposed PPA in this proceeding, and here again the
9 Company's analysis is somewhat ambiguous. There appear to be at least some
10 obvious inconsistencies in the approach the Company has used in comparing its
11 PPA proposal with (1) the Southern Power offers, and (2) the other "expression
12 of interest" that the Company solicited from the market.

13 **Q WHY DO YOU THINK THE COMPARISONS ARE INCONSISTENT?**

14 A In comparing the Southern Power-Georgia Power offers, the Company
15 takes the reported capacity prices and, I believe, escalates these by the contract
16 inflation factor of 3 percent to determine a future year capacity price of \$7.28/kW-
17 month [Hartman Direct Testimony, 18:17.] In this analysis, the Company
18 completely ignores the energy component of this contract. However, in its later
19 comparison of the offer submitted as an "expression of interest" the Company
20 appears to acknowledge that the capacity component of the bid from the market
21 is lower, but that the heat rate portion is higher, and is therefore, above the
22 proposed PPA in this proceeding. The two approaches do not appear to be valid
23 comparisons: if the total contract approach is the most valid, then the Southern

1 comparison is incomplete because the energy terms of the arrangement are
2 unknown. If a capacity value approach is the most valid, then the Company was
3 offered a better deal in the market, but failed to act on it, and has proposed to
4 accept the proposed Southern PPAs instead.

5 **Q ARE THERE ANY OTHER PROBLEMS WITH THIS ANALYSIS?**

6 A Yes. In recent RFPs, the Company has required a number of different
7 factors to be considered in evaluating individual offers from competitive merchant
8 providers. These have included adjustments associated with dual fuel
9 capabilities; geographic preferences (line losses from resource locations in
10 various parts inside and outside the state); and the impact the resource would
11 have on must-run units in South Florida. It is not clear to what extent these
12 factors have been taken into consideration in its analysis.

13 **Q WHAT OTHER COMPARISONS HAS THE COMPANY MADE?**

14 A The Company made an additional attempt to evaluate the costs from a
15 RFP in 2003. This analysis has been provided in Exhibit TLH-6, and according
16 to the Company, is an economic comparison of proposed PPAs and "the most
17 comparable offer from the 2003 RFP (a 1,220 MW 15 year PPA)." [Hartman
18 Direct Testimony, 19: 19-23.]

19 **Q WHAT ARE YOUR CONCERNS REGARDING THIS EVALUATION?**

20 A I have several concerns regarding this analysis. The first is that the
21 amount of capacity represented by the PPA is different and may be met by a
22 combination of units that were previously unavailable. The second is that the
23 RFP had a different time horizon for both the build-out and the term of supply.

1 The third is that additional capacity may be available that has come on-line since
2 that time or is under construction or development at the current period. The
3 fourth is that the Company has used "current economic assumptions" which may
4 not be representative of the conditions that competitive providers used in the
5 RFP process completed a year ago. Companies continuously update and modify
6 their business plans, and to assume current economic conditions may be limiting.

7 **Q DO YOU HAVE ANY "BIG PICTURE" CONCERNS ABOUT THE**
8 **OVERALL COMPARISON ANALYSIS CONDUCTED BY THE COMPANY?**

9 **A** Yes. The nature of the entire analysis is very "thin" – there are just not a
10 lot of data points in which to compare the Company's proposed PPA. I do not
11 believe this gives the Commission a very solid nor comfortable basis from which
12 to approve this decision. There would appear to be only one transaction that is
13 perhaps the most direct comparison in this proceeding coming from the
14 Company's reported "expression of interest." The Company has noted that it
15 believes it has received a limited response to its inquiries because of the timing
16 of the interest is so well out into the future (2010). [Hartman Direct Testimony,
17 19: 5-8.] If this is the case, then the Commission would benefit by suggesting
18 that the Company issue a RFP to the market to compete for the energy and
19 capacity represented by the PPA proposal at some future date.

20 **Q BUT THE COMPANY INDICATES THAT THE COMMISSION MUST ACT**
21 **NOW IN ORDER TO ATTAIN THE POTENTIAL PPA BENEFITS. DO YOU**
22 **AGREE?**

1 A. No. The Company indicates that it must act now to secure the “other
2 benefits” articulated in its proposal. [Hartman Direct Testimony, 19: 12-14.] Even
3 if the Commission accepts that these benefits are substantial, which is
4 questionable, the Company has provided no concrete or compelling evidence
5 that these benefits will not exist in the future. The Commission should take its
6 time and prod the Company to subject the offer to a formalized competitive
7 bidding process to ensure that the full breadth of the market has been considered
8 for the benefit of ratepayers.

9 **VIII. SUMMARY AND RECCOMENDATIONS**

10 **Q COULD YOU PLEASE SUMMARIZE YOUR RECOMMENDATIONS?**

11 A I recommend that the Commission separate the cost recovery issue for
12 three purchased power contracts with SCSi from the remaining issues in this fuel
13 docket for the following reasons:

14 (1) The proposed purchased power contracts represent a considerable
15 commitment for FPL that extends well into the future. The proposal
16 raises numerous complex issues that should not be considered on
17 a relatively expedited basis.

18 (2) Because of the magnitude of this request, the terms, conditions,
19 and rates for these proposed contracts should be compared to the
20 best alternative available in the market. The Company has not
21 conducted a RFP process as envisioned in the FPSC Rule 25-
22 22.082; therefore, the Commission cannot be assured that this
23 resource proposal is the most cost effective available in the market

1 for ratepayers. In fact, the Company has admitted that its self-build
2 option is some \$60 to \$80 million lower than the contracts proposed
3 in this proceeding. [Hartman Direct Testimony, 15: 17-18.]

4 (3) The extent to which the Company has queried the market is
5 questionable. Further, a number of the “additional benefits”
6 associated with these contracts are likewise questionable and
7 should be reviewed carefully. If the Commission wishes to have
8 the Company seek these types of additional benefits, after
9 satisfying itself that the benefits are significant enough to outweigh
10 cost savings, the benefits specifically sought should be written into
11 the requirements of a competitive proposal submitted to the market.

12 (4) Separating this issue would not appear to harm ratepayers since
13 the Company has noted that its current contract terms with
14 Southern allow for the longer of 6 months for regulatory approval or
15 securing transmission rights. [Hartman Direct Testimony, 6:17-18.]

16 (5) Separating this issue from the remaining issues in this docket, and
17 considering it in a more thorough manner by testing the new
18 contracts against the competitive market through an RFP process,
19 would serve the public interest by ensuring “that a public utility’s
20 selection of a proposed generation addition [inside or outside of
21 Florida] is the most cost-effective alternative available.” [F.A.C.,
22 FPSC Rule 25-22.082]

1 **Q DO YOU HAVE ANY ALTERNATIVE RECOMMENDATIONS?**

2 **A** Yes. If the Commission rejects my primary recommendation to separate
3 the issues associated with the Company's proposed PPA from this proceeding,
4 then I would recommend that the Commission not approve the Company's
5 proposed PPAs. I base this alternative recommendation on the following points:

6 (1) The Company has not conducted a thorough competitive bidding
7 process for these resources.

8 (2) The Company has not provided complete and detailed information
9 in its filing to prove that these PPAs are the least cost option
10 available to ratepayers.

11 (3) The Company has indicated that its self-build option is a lower cost
12 resource than the proposed PPAs. The purported additional
13 benefits associated with the Company's proposed PPAs do not
14 offset these potential costs savings for ratepayers. The Company
15 should be required to compare this self-build option to all potential
16 contracts and resource alternatives in the market through a
17 competitive bidding process.

18 (4) FPL has failed to establish the urgency or need to approve now a
19 PPA that calls for delivery of energy and capacity 6 to 11 years
20 from this summer.

21 **Q DOES THIS CONCLUDE YOUR DIRECT TESTIMONY FILED ON**
22 **OCTOBER 4, 2004?**

23 **A** Yes it does.

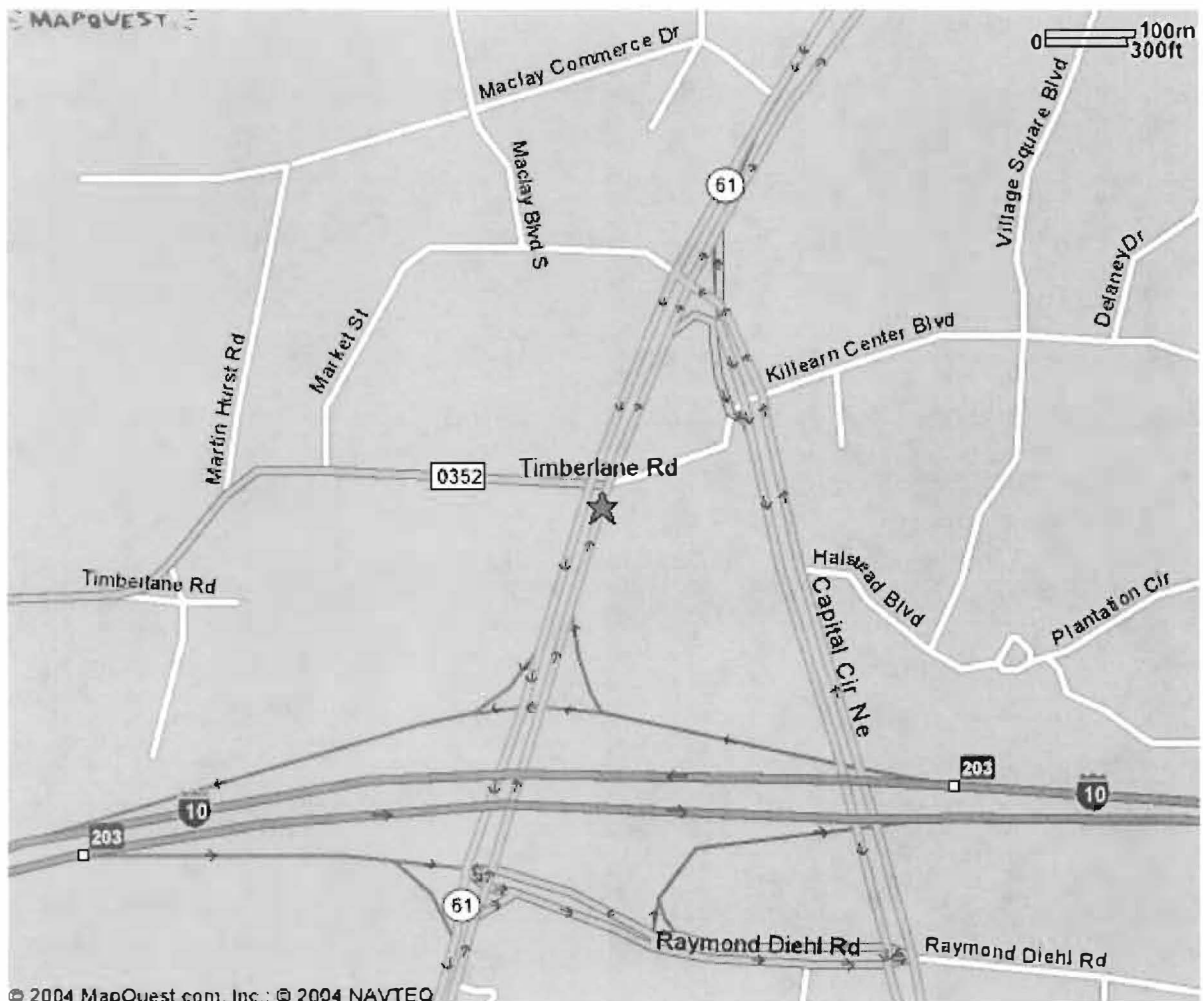


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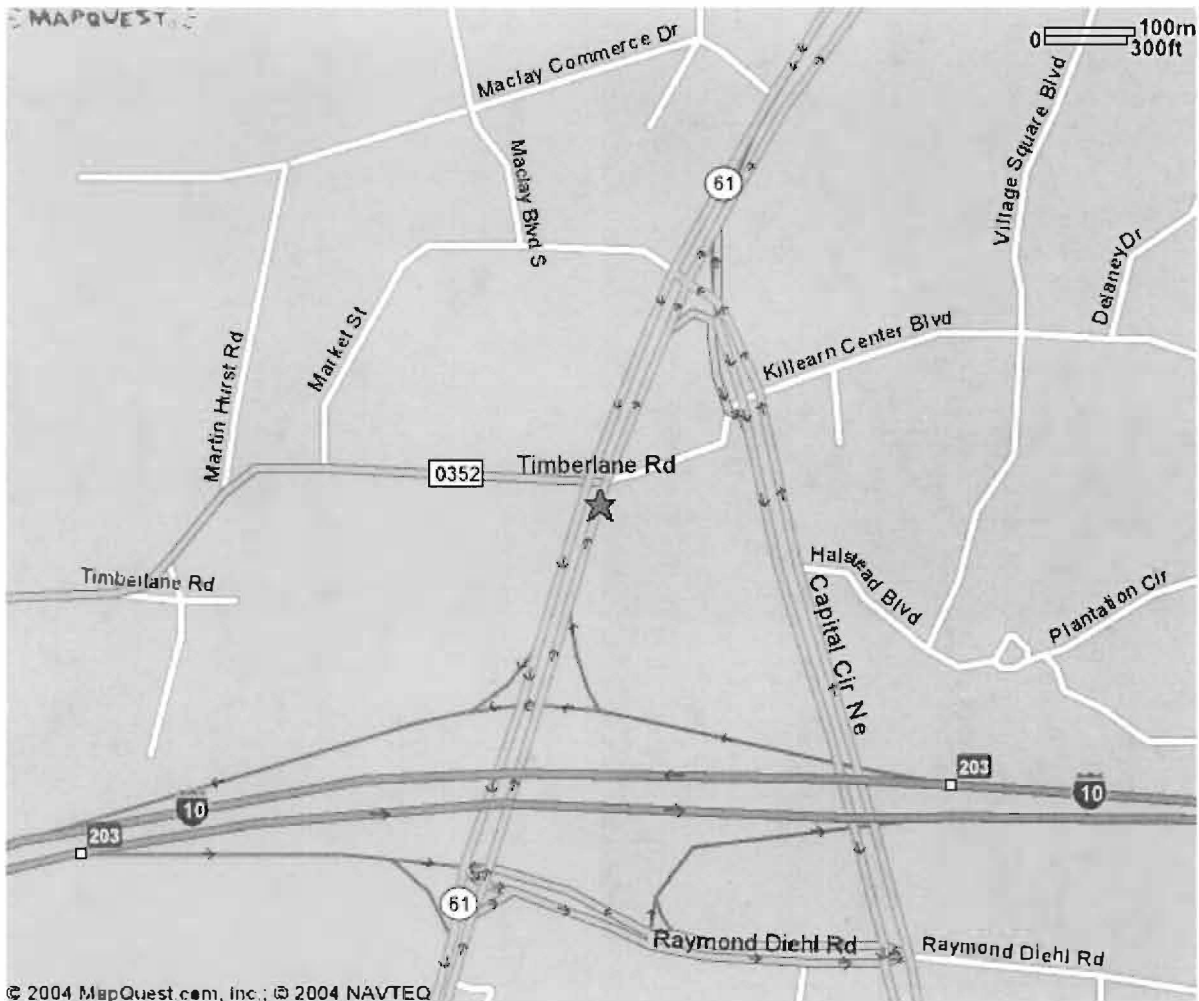


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ATTACHMENT 1

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Master's Thesis: *Nuclear Power Project Disallowances: A Discrete Choice Model of Regulatory Decisions*

Ph.D. Dissertation: *An Empirical Examination of Environmental Externalities and the Least-Cost Selection of Electric Generation Facilities*

ACADEMIC APPOINTMENTS

Louisiana State University, Baton Rouge, Louisiana

Center for Energy Studies

2003-Current	Associate Director
2001-Current	Associate Professor
2000-2001	Research Fellow and Adjunct Assistant Professor
1999-2000	Managing Director, Distributed Energy Resources Initiative
1995-2000	Assistant Professor

E.J. Ourso College of Business Administration, Department of Economics

2001-Current	Adjunct Associate Professor
1999-2000	Adjunct Assistant Professor

Florida State University, Tallahassee, Florida
Department of Economics

1995 Instructor

PROFESSIONAL EXPERIENCE

Acadian Consulting Group, Baton Rouge, Louisiana

2001-Current Consulting Economist/Principal
1995-2000 Consulting Economist/Principal

Econ One Research, Inc., Houston, Texas

2000-2001 Senior Economist

Florida Public Service Commission, Tallahassee, Florida
Division of Communications, Policy Analysis Section

1995 Planning & Research Economist

Division of Auditing & Financial Analysis, Forecasting Section

1993 Planning & Research Economist
1992-1993 Economist

Project for an Energy Efficient Florida &
Florida Solar Energy Industries Association, Tallahassee, Florida

1994 Energy Economist

Ben Johnson Associates, Inc., Tallahassee, Florida

1991-1992 Research Associate
1989-1991 Senior Research Analyst
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GOVERNMENT APPOINTMENTS

2003-Current Member, Energy and Basic Industries Task Force, Louisiana
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2001-2003 Member, Louisiana Comprehensive Energy Policy Commission.

PUBLICATIONS: PEER REVIEWED ACADEMIC JOURNALS

“The Demand for Long Distance Telephone Communication: A Route-Specific Analysis of Short-Haul Service.” (1996). *Studies in Economics and Finance* 17:33-45.

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"A Introduction to Distributed Energy Resources." Summer Meetings, Southeastern Association of Regulatory Utility Commissioners (SEARUC). New Orleans, LA. June 27, 2000.

"Electric Reliability and Merchant Power Development Issues." Technical Meetings of the Louisiana Public Service Commission. Baton Rouge, LA. August 29, 2000.

"Pricing and Regulatory Issues Associated with Distributed Energy." Joint Conference by Econ One Research, Inc., the Louisiana State University Distributed Energy Resources Initiative, and the University of Houston Energy Institute: "Is the Window Closing for Distributed Energy?" Houston, Texas, October 13, 2000.

“Energy Conservation and Electric Restructuring.” With Ritchie D. Priddy. Presentation before the Louisiana Department of Natural Resources. Baton Rouge, Louisiana, October 23, 2000.

“The Economic Impacts of Merchant Power Plant Development In Mississippi.” Presentation before the Mississippi Public Service Commission. Jackson, Mississippi, March 20, 2001.

“The Changing Nature of the Electric Power Business in Louisiana: Background and Issues.” Presentation before the Louisiana Department of Economic Development. Baton Rouge, LA, July 3, 2001.

“The Changing Nature of the Electric Power Business in Louisiana: Background and Issues.” Presentation before the Louisiana Office of the Governor. Baton Rouge, LA, July 16, 2001.

“Power Business in Louisiana: Background and Issues.” Presentation before the Louisiana Interagency Group on Merchant Power Development . Baton Rouge, LA, July 16, 2001.

“The Changing Nature of the Electric Power Business in Louisiana.” Presentation before the Louisiana Department of Environmental Quality. Baton Rouge, LA, August 27, 2001.

“Economic Opportunities for Merchant Power Development in the South.” Presentation before the Southern Governor’s Association/Southern State Energy Board Meetings. Lexington, KY. September 9, 2001.

“Economic Impacts of Merchant Power Plant Development in Mississippi.” Presentation before the U.S. Oil and Gas Association Annual Oil and Gas Forum. Jackson, Mississippi. October 10, 2001.

“Moving to the Front of the Lines: The Economic Impact of Independent Power Production in Louisiana.” Presentation before the LSU Center for Energy Studies Merchant Power Generation and Transmission Conference, Baton Rouge, LA. October 11, 2001.

“Merchant Power and Deregulation: Issues and Impacts.” Presentation before the Air and Waste Management Association Annual Meeting. Baton Rouge, LA, November 15, 2001.

“Power Plant Siting Issues in Louisiana.” Presentation before 24th Annual Conference on Waste and the Environment. Sponsored by the Louisiana Department of Environmental Quality. Lafayette, Louisiana, Cajundome. March 12, 2002.

“Merchant Energy Development Issues in Louisiana.” Presentation before the Program Committee of the Center for Legislative, Energy, and Environmental Research (CLEER), Energy Council. April 19, 2002.

“An Introduction to Distributed Energy Resources.” Presentation before the U.S. Department of Energy, Office of Renewable Energy and Energy Efficiency, State Energy Program/Rebuild America Conference, August 1, 2002, New Orleans, Louisiana.

“What’s Happened to the Merchant Energy Industry? Issues, Challenges, and Outlook” Presentation before the LSU Center for Energy Studies Industry Associates Advisory Council Meeting. November 12, 2002. Baton Rouge, Louisiana.

"Issues and Opportunities with Distributed Energy Resources." Presentation before the Louisiana Biomass Council. April 17, 2003, Baton Rouge, Louisiana.

"Natural Gas Outlook." Presentation before the Louisiana Chemical Association, October 17, 2003, Pointe Clear, Alabama.

"Affordable Energy: The Key Component to a Strong Economy." Presentation before the National Association of Regulatory Utility Commissioners ("NARUC"), November 18, 2003, Atlanta, Georgia.

"Regional Transmission Organization in the South: The Demise of SeTrans" Presentation before the LSU Center for Energy Studies Industry Associates Advisory Council Meeting. December 9, 2003. Baton Rouge, Louisiana.

"Competitive Bidding in the Electric Power Industry." Presentation before the Association of Energy Engineers. Business Energy Solutions Expo. December 11-12, 2003, New Orleans, Louisiana.

"Natural Gas Outlook" Presentation before the St. James Parish Community Advisory Panel Meeting. January 7, 2004, IMC Production Facility, Convent, Louisiana.

"Natural Gas Outlook: Trends and Issues for Louisiana." Presentation before the Louisiana Joint Agricultural Association Meetings. January 14, 2004, Hotel Acadiana, Lafayette, Louisiana.

"The Economic Opportunities for LNG Development in Louisiana." Presentation before the Board of Directors, Greater New Orleans, Inc. May 13, 2004, New Orleans, LA.

"Industry Development Issues for Louisiana: LNG, Retail Choice, and Energy." Presentation before the LSU Center for Energy Studies Industry Associates. May 14, 2004, Baton Rouge, LA.

"The Economic Opportunities for LNG Development in Louisiana." Presentation before the Petrochemical Industry Cluster, Greater New Orleans, Inc. May 19, 2004, Destrehan, LA.

"The Economic Opportunities for LNG Development in Louisiana." Presentation before the Louisiana Chemical Association/Louisiana Chemical Industry Alliance Legislative Conference. May 26, 2004. Baton Rouge, LA.

"The Economic Opportunities for LNG Development in Louisiana." Presentation before the Louisiana Chemical Association Plant Managers Meeting. May 27, 2004. Baton Rouge, LA.

"Natural Gas and LNG Issues for Louisiana." Presentation before the Rhodia Community Advisory Panel. May 20, 2004, Baton Rouge, LA.

"The Gulf South: Economic Opportunities Related to LNG." Presentation before the Energy Council's 2004 State and Provincial Energy and Environmental Trends Conference. Point Clear, AL, June 26, 2004.

"Louisiana Energy Issues." Louisiana Mid-Continent Oil and Gas Association Post Legislative Meetings. Sandestin, Florida. July 28, 2004.

“LNG In Louisiana.” Joint Meeting of the Louisiana Economic Development Council and the Governors Cabinet Advisory Council. Baton Rouge, LA. August 5, 2004.

“Energy Issues for Industrial Customers of Gas and Power.” Louisiana Chemical Association Post-Legislative Meeting. Springfield, LA. August 9, 2004.

“Natural Gas Supply, Prices and LNG: Implications for Louisiana Industry.” Dow Chemical Company Community Advisory Panel Meeting. Plaquemine, LA. August 9, 2004.

“Energy Issues for Industrial Customers of Gas and Power.” American Institute of Chemical Engineers – New Orleans Section. New Orleans, LA. September 22, 2004.

EXPERT WITNESS, LEGISLATIVE, AND PUBLIC TESTIMONY; EXPERT REPORTS AND AFFIDAVITS

Docket 920188-TL, (1992). Before the Florida Public Service Commission. On the Behalf of the Florida Public Service Commission Staff. Company analyzed: GTE-Florida. Issues: Telephone Demand Forecasts and Empirical Estimates of the Price Elasticity of Demand for Telecommunication Services.

Docket 920260-TL, (1993). Before the Florida Public Service Commission. On the Behalf of the Florida Public Service Commission Staff. Company analyzed: BellSouth Communications, Inc. Issues: Telephone Demand Forecasts and Empirical Estimates of the Price Elasticity of Demand for Telecommunication Services.

Docket 940448-EG -- 940551-EG (1994). Before the Florida Public Service Commission. On the Behalf of the Legal Environmental Assistance Foundation. Companies analyzed: Florida Power & Light Company; Florida Power Corporation; Tampa Electric Company; and Gulf Power Company. Issues: Comparison of Forecasted Cost-Effective Conservation Potentials for Florida.

Docket 950495-WS (1996). Before the Florida Public Service Commission. On the Behalf of the Citizens of the State of Florida. Company analyzed: Southern States Utilities, Inc. Issues: Revenue Repression Adjustment, Residential and Commercial Demand for Water Service.

Louisiana House of Representatives, Special Subcommittee on Utility Deregulation. (1997). On Behalf of the Louisiana Public Service Commission Staff. Issue: Electric Restructuring.

Docket 990001-EI (1999). Before the Florida Public Service Commission. On the Behalf of the Citizens of the State of Florida. Companies analyzed: Florida Power & Light Company; Florida Power Corporation; Tampa Electric Company; and Gulf Power Company. Issues: Regulatory Treatment of Incentive Returns on Gains from Economic Energy Sales.

Docket 991779-EI (2000). Before the Florida Public Service Commission. On the Behalf of the Citizens of the State of Florida. Companies analyzed: Florida Power & Light Company; Florida Power Corporation; Tampa Electric Company; and Gulf Power Company. Issues: Competitive Nature of Wholesale Markets, Regional Power Markets, and Regulatory Treatment of Incentive Returns on Gains from Economic Energy Sales.

Docket 22351 (2001). Before the Public Utility Commission of Texas. On the Behalf of the City of Amarillo. Company analyzed: Southwestern Public Service Company. Issues: Unbundled cost of service, affiliate transactions, load forecasting.

Docket Number 01-1048 (2001). Before the Public Utilities Commission of Nevada. On the Behalf of the Nevada Office of the Attorney General, Bureau of Consumer Protection. Company analyzed: Nevada Bell Telephone Company. Issues: Statistical Issues Associated with Performance Incentive Plans.

Louisiana Board of Commerce and Industry (2001). Testimony on the Economic and Ratepayer Benefits of Merchant Power Generation and Issues Associated with Tax Incentives on Merchant Power Generation and Transmission.

Expert Affidavit before the Federal District Court, Middle District of Louisiana (2001). Issues: Competitive Nature of the Natural Gas Transportation Market in Louisiana. On behalf of a Consortium of Interstate Natural Gas Transportation Companies.

Multiple Dockets (2001). Before the Louisiana Tax Commission. On the Behalf of Louisiana Interstate Pipeline Companies. Testimony on the Competitive Nature of Natural Gas Transportation Services in Louisiana.

Docket Number 01-1049, Docket Number 01-3001. (2001) On behalf the Nevada Office of Attorney General, Bureau of Consumer Protection. Petition of Central Telephone Company-Nevada D/b/a Sprint of Nevada and Sprint Communications L.P. for Review and Approval of Proposed Revised Performance Measures and Review and Approval of Performance Measurement Incentive Plans. Before the Public Utilities Commission of Nevada.

Expert Report. (2001) On Behalf of David Liou and Pacific Richland Products, Inc. to Review Cogeneration Issues Associated with Dupont Dow Elastomers, L.L.C. (DDE) and the Dow Chemical Company (Dow).

Docket Number 24468. (2001). On the Behalf of the Texas Office of Public Utility Counsel. Public Utility Commission of Texas Staff's Petition to Determine Readiness for Retail Competition in the Portion of Texas Within the Southwest Power Pool. Company examined: AEP-SWEPCO.

Louisiana Board of Commerce and Industry (2001). Testimony on the Economic Impacts of Merchant Power Generation.

Docket Number 000824-EI. Before the Florida Public Service Commission. (2002). On the Behalf of the Citizens of the State of Florida. Company examined: Florida Power Corporation. Issues: Load Forecasts and Billing Determinants for the Projected Test Year.

Docket Number U-22407. Before the Louisiana Public Service Commission (2002). On the Behalf of the Louisiana Public Service Commission Staff. Company examined: Louisiana Gas Services, Inc. Issues: Purchased Gas Acquisition audit, fuel procurement and planning practices.

Expert Report and Testimony. Docket 1997-4665-PV, 1998-4206-PV, 1999-7380-PV, 2000-5958-PV, 2001-6039-PV, 2002-64680-PV, 2003-6231-PV. Before the Kansas Board of Tax Appeals. (2003). In the Matter of the Appeals of CIG Field Services Company from orders of the Division of

Property Valuation. On the Behalf of CIG Field Services. Issues: the competitive nature of natural gas gathering in Kansas.

Docket Number 27363. Before the Public Utilities Commission of Texas. Joint Affidavit on Behalf of the Cities of Texas and the Staff of the Public Utilities Commission of Texas Regarding Certified Issues. In Re: Application of Valor Telecommunications, L.P. For Authority to Establish Extended Local Calling Service (ELCS) Surcharges For Recovery of ELCS Surcharge.

REFEREE AND EDITORIAL APPOINTMENTS

Referee, 1995-Current, *Energy Journal*

Referee, 2002, *Resource & Energy Economics*

Referee, 2004, *Southern Economic Journal*

Contributing Editor, 2000-Current, *Oil, Gas and Energy Quarterly*

Committee Member, IAEE/USAAE Student Paper Scholarship Award Committee, 2003

PROPOSAL TECHNICAL REVIEWER

California Energy Commission, Public Interest Energy Research (PIER) Program (1999).

PROFESSIONAL ASSOCIATIONS

American Economic Association, American Statistical Association, Econometric Society, Southern Economic Association, Western Economic Association, and the International Association of Energy Economists.

HONORS AND AWARDS

Omicron Delta Epsilon (1992-Current)

Florida Public Service Commission, Staff Excellence Award for Assistance in the Analysis of Local Exchange Competition Legislation (1995).

Distinguished Research Award, Academy of Legal, Ethical and Regulatory Issues, Allied Academics (2002).

Interstate Oil and Gas Compact Commission (IOGCC) "Best Practice" Award for Research on the Economic Impact of Oil and Gas Activities on State Leases for the Louisiana Department of Natural Resources (2003).

Baton Rouge Business Report, Selected as "Top 40 Under 40" (2003).

TEACHING EXPERIENCE

Principles of Microeconomic Theory

Principles of Macroeconomic Theory

Lecturer, Electric Power Industry Environmental Issues, Field Course on Energy and the Environment. (Dept of Environmental Studies).

Lecturer, Electric Power Industry Trends, Principles Course in Power Engineering (Dept. of Electric Engineering).

Continuing Education. Electric Power Industry Restructuring for Energy Professionals.

THESIS/DISSERTATIONS COMMITTEES

4 Thesis Committee Memberships (Environmental Studies)
2 Doctoral Committee Memberships (Information Systems & Decision Sciences, Agricultural and Resource Economics).

LSU SERVICE AND COMMITTEE MEMBERSHIPS

LSU Faculty Senate Committee on Public Relations (1997-1999)
LSU Faculty Senate Committee on Student Retention and Recruitment (1999-2003)
LSU CES/SCE Public Art Selection Committee (2003-2004)
LSU InterCollege Environmental Cooperative. Term: 1999-2001.
LSU Main Campus Cogeneration/Turbine Project, (1999-2000).

Co-Chairman, Review Committee, Louisiana Port Construction and Development Priority Program Rules and Regulations, On Behalf of the LSU Ports and Waterways Institute. (1997).

Conference Coordinator. Center for Energy Studies Seminar Series on Electric Utility Restructuring and Wholesale Competition. (1996-2003).

Conference Coordinator. Center for Energy Studies Annual Energy Conference/Summit. (2003-Current).

LSU Faculty Senate (2003-2006)

LSU Graduate Faculty, Associate Member (1997-2004); Full Member (2004-Current)

Advisor, Louisiana LNG Buyers/Developers Summit, Office of the Governor/Louisiana Department of Economic Development/Louisiana Department of Natural Resources (2004).

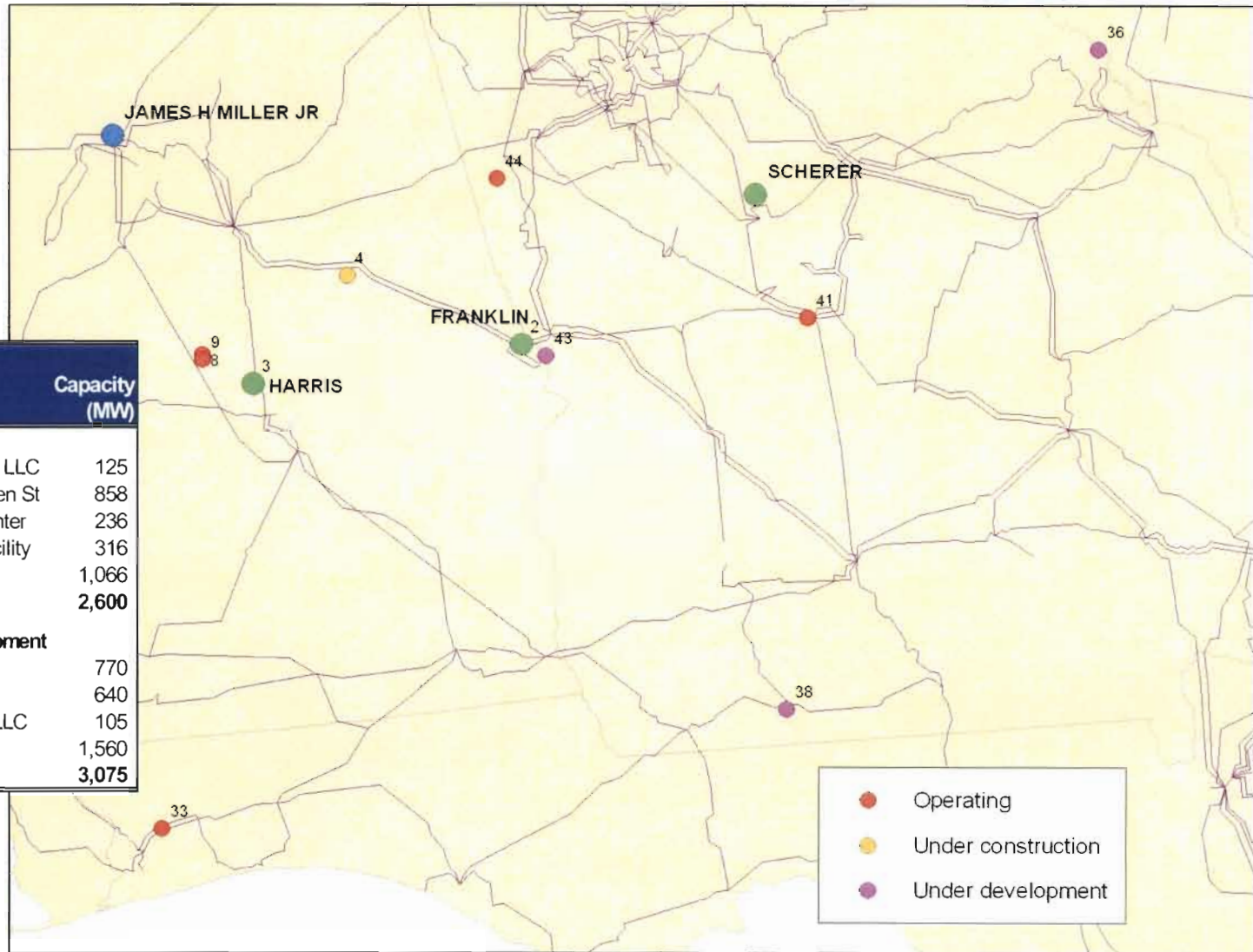
**Contribution of Contracts
to Total Purchase Agreement**

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-1
Page 1 of 1

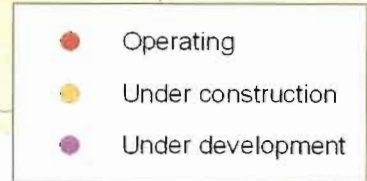
Contracted Unit	Fuel Type	Contracted Capacity (MW)	Percent of Total Contract
Robert W. Scherer Unit 3	Coal	165	17.3%
Harris Unit 1	Natural Gas	600	62.8%
Franklin Unit 1	Natural Gas	190	19.9%
Total		955	100.0%

Merchant Facilities Located in Proximity to Contracted Units

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-2
Page 1 of 1



Plant Name	Capacity (MW)
Operating Plants	
6 Mobile Energy Services LLC	125
9 Tenaska Lindsay Hill Gen St	858
33 Santa Rosa Energy Center	236
41 Mid-Georgia Cogen Facility	316
44 Wansley	1,066
Total	2,600
Under construction/development	
4 Hillabee Energy Center	770
36 Augusta Energy Center	640
38 Georgia Energy Proj 1 LLC	105
43 Peace Valley	1,560
Total	3,075



Note: Does not include peaking facilities

Estimated Natural Gas Transmission Capacity

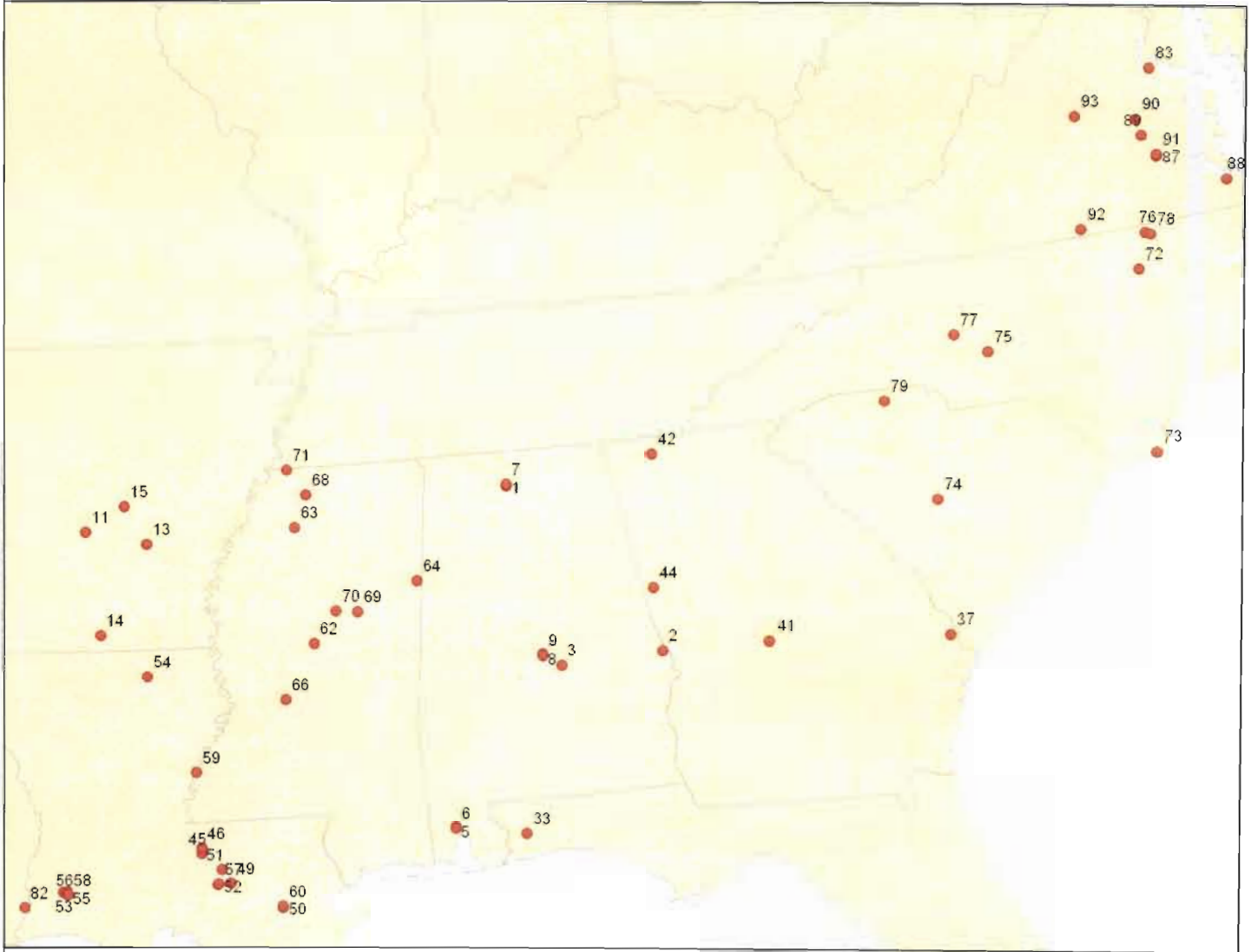
Docket No. 040001-EI
David E. Dismukes
Exhibit DED-3
Page 1 of 1

Pipeline	System Capacity (Bcf/day)
Existing Pipelines	
Florida Gas Transmission	2.20
Gulfstream	1.10
Current State Capacity	3.30
Estimated Natural Gas Demand	2.75
Estimated Excess Capacity	0.55
Proposed Pipelines (2005 through 2007)	
Gulfstream -- Phase II	0.35
Gulfstream -- Phase III	n.a.
AES Ocean Express / AES	0.84
Calypso Natural Gas Pipeline / Tractebel	0.83
Seafarer Pipeline System / El Paso	0.70
Total Proposed Capacity	2.72

Note: n.a. is not available.

Merchant Development in SERC Region

Plant Name	Capacity (MW)
1 Decatur Energy Center	624
2 Franklin	1,139
3 Harris	1,035
5 Hog Bayou Energy Center	230
6 Mobile Energy Services LLC	125
7 Morgan Energy Center	588
8 Tenaska Cntl Alabama Gen St	808
9 Tenaska Lindsay Hill Gen St	858
10 Hot Spring Energy Facility	652
13 Pine Bluff Energy Center	198
14 Union Power Station	2,020
15 Wrightsville Power Facility	568
33 Santa Rosa Energy Center	236
37 Effingham County Power Proj	490
41 Mid-Georgia Cog Fac	316
42 Murray Energy Facility	1,244
44 Wansley	1,066
45 Big Cajun 1	220
46 Big Cajun 2	1,730
49 Carville Energy LLC	500
50 Dow St Charles Operations	292
51 ExxonMobil Baton Rouge Cogen	332
52 LaO Energy Systems	588
53 Nelson Industrial Steam	213
54 Ouachita Generating Plant	816
55 PPG Powerhouse C	303
56 PPG Riverside	154
57 Plaquemine Cogeneration	859
58 RS Cogen	396
59 Sidney A Murray Jr Hydro	192
60 Taft Cogeneration Facility	790
62 Attala Generating LLC	459
63 Batesville Generation Facility	858
64 Caledonia	783
66 Hinds Energy Facility	450
68 Magnolia Power Plant	863
69 Red Hills Generating Facility	440
70 Reliant Energy Choctaw County	726
71 Southaven Energy LLC	783
72 Cogentrix Dw Collier Battle Cogen	105
73 Cogentrix Southport	107
74 Columbia Energy Center	580
75 Narrows	107
76 Panda Rosemary LP	165
77 Rowan	967
78 Westmoreland-LG&E Roanoke Val I	165
79 Cherokee County Cogen	95
82 SRW Cogen LP	420
83 Birchwood Power	238
87 Cogentrix Hopewell	93
88 Cogentrix Portsmouth	115
89 Cogentrix of Richmond	190
90 Doswell Energy Center	820
91 Hopewell Cogeneration	348
92 Mecklenburg Cog Fac	132
93 Tenaska Virginia Gen St	946
Total	30,537



Note: Does not include peaking facilities

Merchant Development in SERC by Subregion

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-5
Page 1 of 1

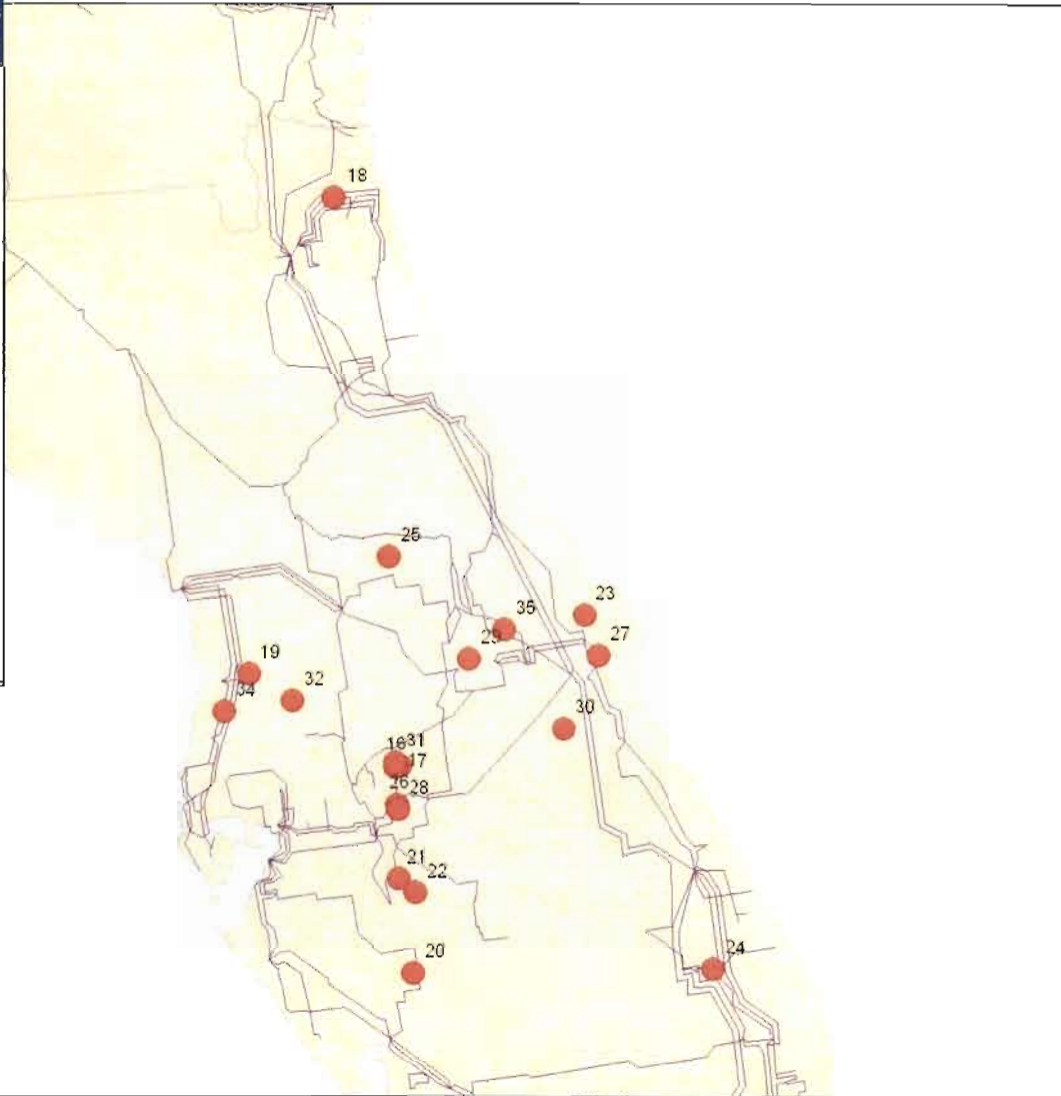
Subregion	Number of Plants	MW of Capacity
Entergy	22	12,934
Southern	11	7,548
TVA	7	4,882
VACAR	16	5,173
Total	56	30,537

Note: Does not include peaking facilities

Merchant Development in FRCC Region

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-6
Page 1 of 1

Plant Name	Capacity (MW)
16 Auburndale Peaking Energy Ctr	98
17 Auburndale Power Plant	166
18 Cedar Bay Generating LP	250
19 Central Power & Lime	139
20 DeSoto County Plant	308
21 Hardee Power Station	358
22 Hardee Power Station	632
23 Indian River	608
24 Indiantown Cogen Facility	330
25 Lake Cogen Ltd	110
26 Mulberry Cogeneration Facility	107
27 Oleander Power Project LP	596
28 Orange Cogeneration Facility	117
29 Orlando Cogen LP	114
30 Osceola	468
31 Osprey Energy Center	590
32 Pasco Cogen Ltd	119
34 Shady Hills Generating Station	468
35 Stanton Energy Center	592
Total	6,170

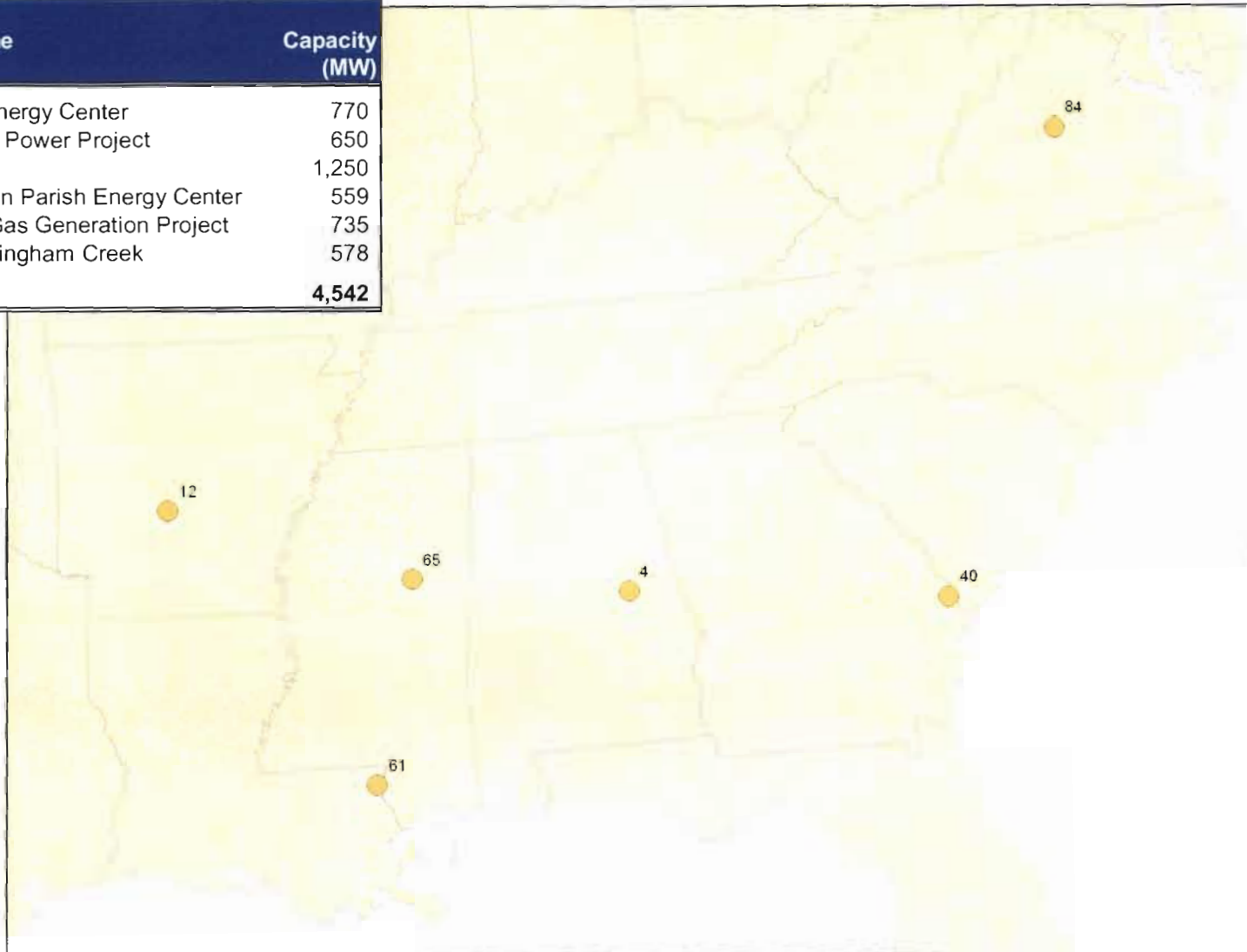


Note: Does not include peaking facilities

Merchant Facilities Under Construction in SERC

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-7
Page 1 of 1

Plant Name	Capacity (MW)
4 Hillabee Energy Center	770
12 Hot Spring Power Project	650
40 McIntosh	1,250
61 Washington Parish Energy Center	559
65 Choctaw Gas Generation Project	735
84 CPV Cunningham Creek	578
Total	4,542

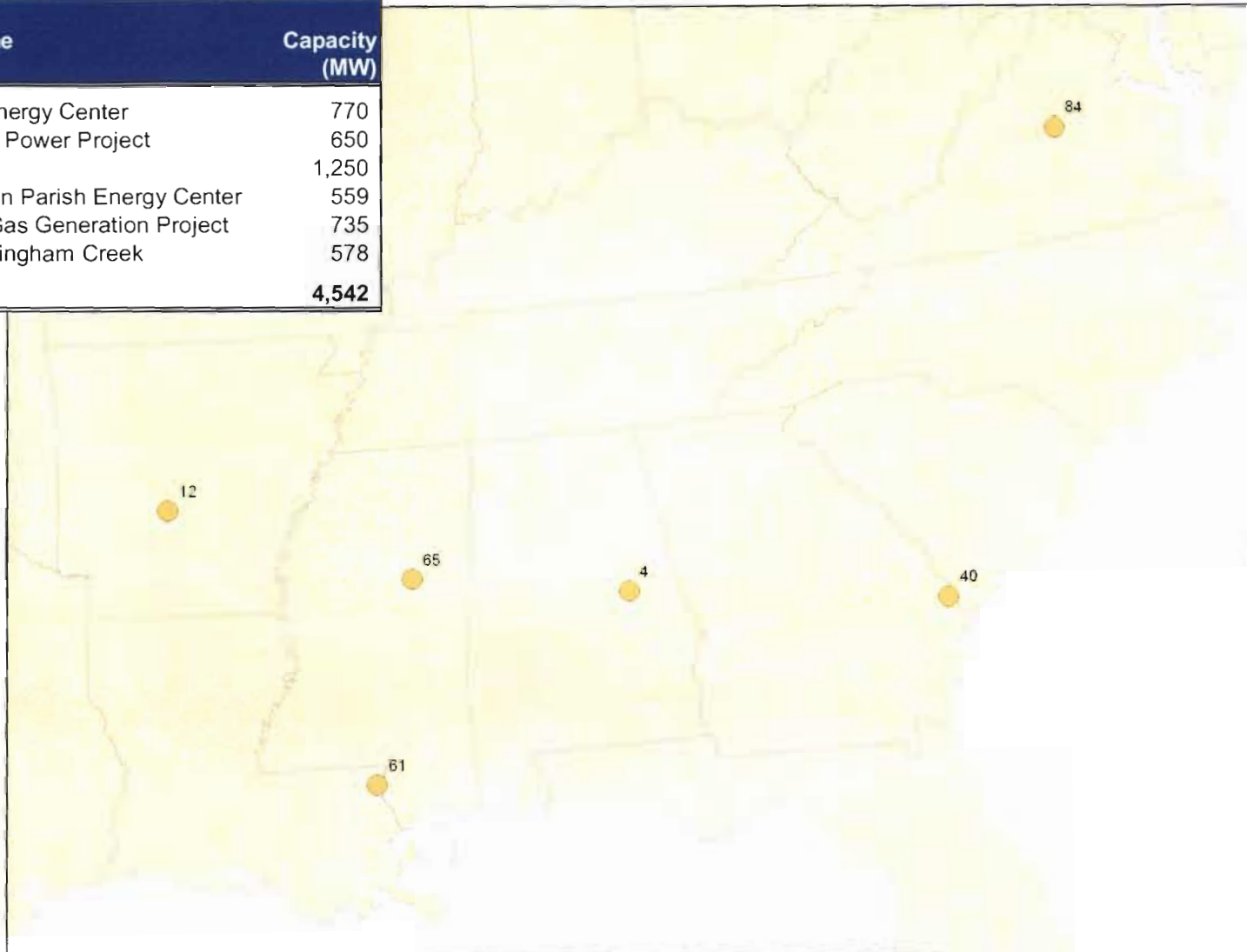


Note: Does not include peaking facilities

Merchant Facilities Under Construction in SERC

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-7
Page 1 of 1

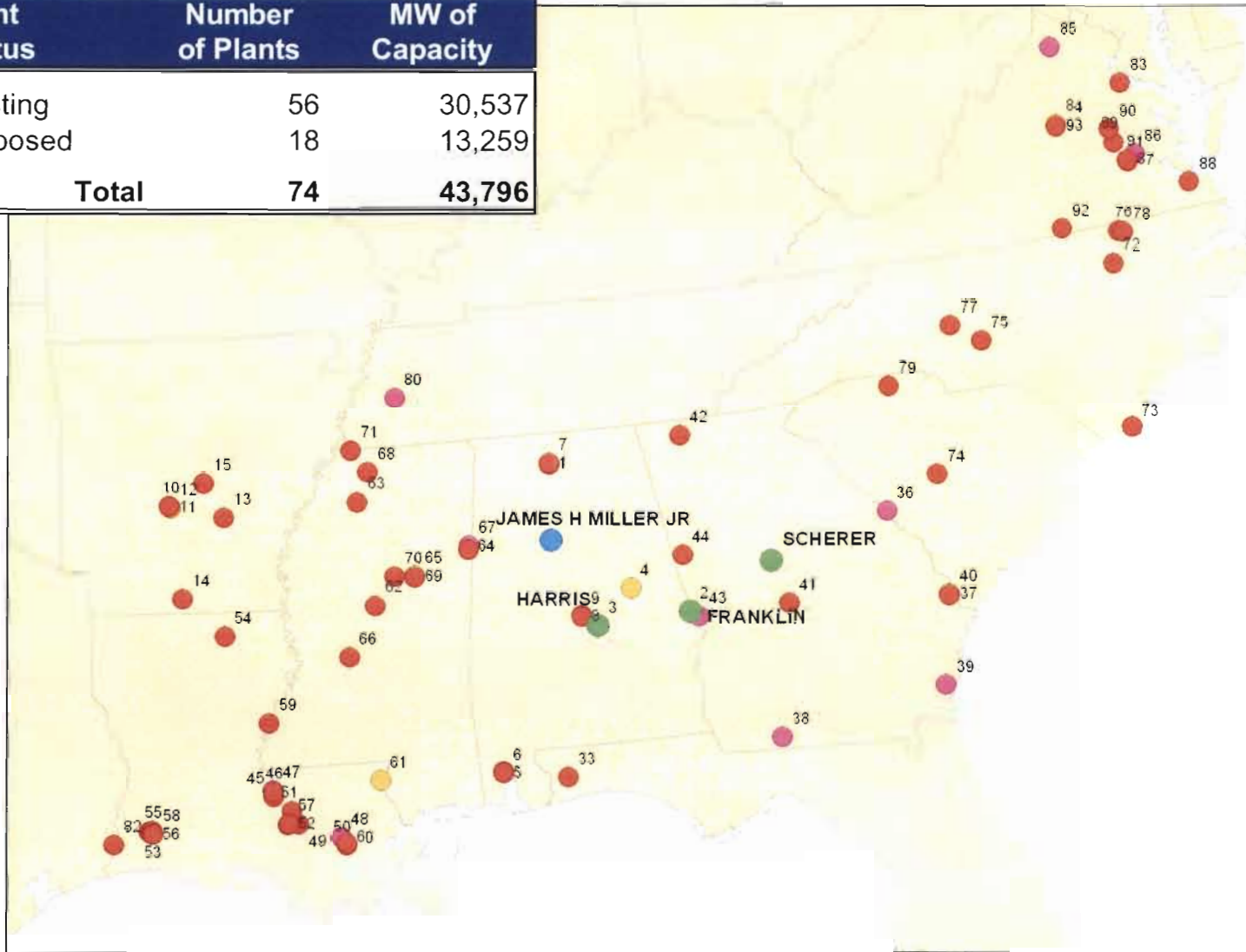
Plant Name	Capacity (MW)
4 Hillabee Energy Center	770
12 Hot Spring Power Project	650
40 McIntosh	1,250
61 Washington Parish Energy Center	559
65 Choctaw Gas Generation Project	735
84 CPV Cunningham Creek	578
Total	4,542



Note: Does not include peaking facilities

Merchant Alternatives in SERC

Plant Status	Number of Plants	MW of Capacity
Existing	56	30,537
Proposed	18	13,259
Total	74	43,796



Note: Does not include peaking facilities

Planned Transmission Additions (Circuit Miles)

Docket No. 040001-EI
David E. Dismukes
Exhibit DED-10
Page 1 of 1

	2003 Existing (miles)	Percent of Total Existing (%)	2004-2008 Additions	2009-2013 Additions ----- (miles) -----	Total Additions	2013 Total Installed	Percent Increase (%)
ECAR	16,439	17.4%	156	17	173	16,612	1.1%
FRCC	6,894	7.3%	360	81	441	7,335	6.4%
MAAC	7,057	7.5%	134	-	134	7,191	1.9%
MAIN	6,195	6.6%	374	260	634	6,829	10.2%
MAPP-US	14,705	15.6%	228	246	474	15,179	3.2%
NPCC-US	6,406	6.8%	376	-	376	6,782	5.9%
SERC	28,868	30.6%	1,349	1,085	2,434	31,302	8.4%
SPP	7,659	8.1%	191	17	208	7,867	2.7%
Total Eastern Interconnection*	94,223	100.0%	3,168	1,706	4,874	99,097	5.2%