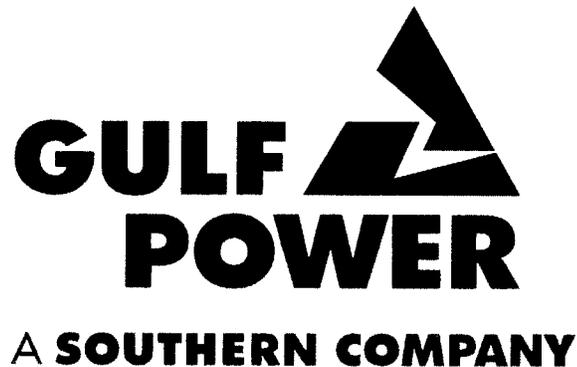


**BEFORE THE  
FLORIDA PUBLIC SERVICE COMMISSION**

**DOCKET NO. 070299-EI**

**TESTIMONY OF  
ALAN G. MCDANIEL**

August 24, 2007



DOCUMENT NUMBER CA 1

07597 AUG 24 07

FPSC-COMMISSION CLERK

1 GULF POWER COMPANY  
2 Before the Florida Public Service Commission  
3 Prepared Direct Testimony of  
4 Alan G. McDaniel  
5 Docket No. 070299-EI  
6 In Support of Gulf Power Company's Storm Hardening Plan  
7 Date of Filing: August 24, 2007

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

9 A. My name is Alan McDaniel, and my business address is One Energy  
10 Place, Pensacola, Florida 32520. I am the Project Services Manager of  
11 Power Delivery for Gulf Power Company. I am responsible for joint use  
12 and third-party attachments, skills development for engineering and  
13 construction, and engineering and design of large distribution conversion  
14 projects, along with the preparation and implementation of Gulf Power  
15 Company's storm restoration plan.

16 Q. Please summarize your educational and professional background.

17 A. I graduated from the University of Florida with a Bachelor of Science  
18 degree in Electrical Engineering in 1981 and from Colorado State  
19 University with a Masters in Business Administration in 2006. Since  
20 joining Gulf Power Company in 1980, I have held a number of positions  
21 with increasing responsibility: co-operative education student, Associate  
22 Engineer, Staff Engineer, Supervisor of Area Engineering, Distribution  
23 Engineering Supervisor, Engineering and Construction Supervisor,  
24 and Engineering and Construction Manager. My experience with Gulf  
25 Power Company has included working in several areas of the Company  
from Panama City to Pensacola in distribution operation, maintenance,

DOCUMENT NUMBER DATE

07597 AUG 24 5

FPSC-COMMISSION CLERK

1 and construction, and substation and transmission maintenance.

2 I have represented Gulf on distribution technical and strategic  
3 committees within Southern Company dealing with a variety of issues  
4 including work methods and materials, distribution engineering and  
5 construction, substation maintenance, and mutual assistance. I have  
6 participated in and led many storm restoration teams after major storms.  
7 My first hurricane restoration experience was as a team leader after  
8 Hurricane Elena in 1985. My most recent experience was as the  
9 restoration area manager after Hurricanes Ivan, Dennis and Katrina in  
10 2004 and 2005. I have participated in restoration work in the field for 12  
11 named storms ranging from tropical storms to category 3 hurricanes.

12

13 Q. What is the purpose of your testimony?

14 A. I will address Sections 11.0 and 12.0 of Gulf Power Company's Storm  
15 Hardening Plan (the "Plan") for 2007 – 2009 as amended on August 14,  
16 2007. Section 11.0, impact to collocation of facilities, deals with pole  
17 strength and load assessments and the new process concerning  
18 notification by third-party attachers when they perform overlashing of  
19 cables and Section 12.0 covers third-party attachers' estimates of costs  
20 and benefits. I will discuss how each section addresses and supports the  
21 requirements set forth in Florida Public Service Commission (FPSC)  
22 Rules 25-6.0341 and 25-6.0342. My testimony addresses the Plan in the  
23 context of third-party attachment standards and procedures.

24

25

1 Q. Does Gulf maintain written third-party attachment standards and  
2 procedures which address safety, reliability, pole loading capacity, and  
3 engineering standards?

4 A. Yes. Gulf has maintained such written third-party attachment standards  
5 and procedures for many years.  
6

7 Q. Do Gulf's third-party attachment standards and procedures meet or  
8 exceed the 2007 National Electrical Safety Code ("NESC")?

9 A. Yes.  
10

11 Q. Does Gulf's Plan include proposed changes to third-party attachment  
12 standards and procedures?

13 A. Yes. Gulf's Plan proposes two changes: (1) the requirement of a pole  
14 strength and loading analysis prior to any new burden being placed on a  
15 Gulf Power pole, and (2) the requirement of advance notice of overlashing  
16 in order to better implement the pole strength and loading program. The  
17 other parts of Gulf's attachment standards and procedures are neither  
18 new nor specifically related to storm hardening.  
19

20 Q. Please explain the term "overlashing."

21 A. Overlashing is when a new cable, fiber or other line is lashed or attached  
22 to the existing messenger wire or cable.  
23

24 Q. What is the purpose of the pole strength and loading analysis?

25 A. Gulf's Ten-Part Storm Preparedness Plan, as approved in FPSC Order

1 No. PSC-06-0781-PAA-EI, included a pole strength and loading analysis  
2 program for a sampling of Gulf's poles. This approved pole strength and  
3 loading analysis program was also included in Section 2.2 of Gulf's Plan.  
4 The pole strength and loading analysis Gulf proposes for new  
5 attachments and overlashing is an extension of the policy embedded in  
6 the Ten-Part Storm Preparedness Plan. This analysis for new  
7 attachments and overlashing will provide Gulf with data, on a going  
8 forward basis, on whether and to what extent third-party attachments  
9 impact the loading of any particular pole or pole line. If the pole strength  
10 and loading analysis reveals that the pole or pole line is not strong enough  
11 to support the proposed attachment (or overlashing, as the case may be)  
12 at Grade B construction standard, Gulf will require "make ready" prior to  
13 the new burden being added to the pole or pole line.

14

15 Q. What is the definition of "make ready" in this context?

16 A. Make ready refers to any work that has to be done on the pole or pole line  
17 to accommodate the new attachment (or overlashing). This can include  
18 rearrangement of existing facilities, additional guying, or replacing the  
19 existing poles with taller or stronger poles, and adding additional poles to  
20 the line.

21

22 Q. What is the purpose of the new requirement that third-party attachers  
23 provide advance notice of overlashing?

24 A. In the past, Gulf has not specifically required third parties to provide  
25 advance notice of overlashing. The new overlashing notification

1 requirement allows Gulf to perform a pole strength and loading analysis  
2 prior to a new burden being placed on the pole or pole line. This  
3 notification requirement is a common practice of other investor-owned  
4 electric utilities in the state of Florida.

5  
6 Q. Why did Gulf not require advance notice of overlashing from  
7 third-party attachers before now?

8 A. Overlashing is a relatively new process in Gulf's service area. As the  
9 average number of third-party attachments per pole has continued to  
10 increase and the potential for greater load on each pole has become more  
11 prevalent, Gulf is taking a proactive approach to managing its  
12 infrastructure. It is reasonable to expect notification of any additional  
13 burden being placed on our facilities by third-party attachers.

14  
15 Q. How many of Gulf's poles are currently impacted by third-party attachers?

16 A. The majority of the poles impacted by third-party attachers are distribution  
17 poles. As of December 31, 2006, Gulf had approximately 244,000  
18 distribution poles in service. Based on 2006 data, approximately 151,000  
19 of those poles had one or more third-party attachments. This means that  
20 approximately 62% of Gulf's distribution poles are impacted by third-party  
21 attachments. Many of these poles have multiple third-party  
22 attachments.

23  
24  
25

1 Q. How will the deployment of the pole strength and loading analysis  
2 program work?

3 A. The pole strength and loading analysis program is targeted to answer one  
4 question: can the pole or pole line handle the new burden under Grade B  
5 construction specifications? When Gulf receives a new permit application  
6 or an overlashing notification, a pole strength and loading analysis will be  
7 performed for all poles impacted by the proposed attachment/overlashing.  
8 If the proposed attachment/overlashing would cause failure by Grade B  
9 construction standards, make ready options will be assessed. Gulf will  
10 not allow an attachment/overlashing to be made until the impacted poles  
11 are sufficiently strong enough to support the additional load at Grade B  
12 construction.

13  
14 Q. Did Gulf seek input from third-party attachers with respect to its Plan and  
15 attempt in good faith to accommodate their concerns?

16 A. Yes. Gulf sought input prior to the May 2007 submission of the initial Plan  
17 and has continued to have dialogue with third-party attachers since the  
18 FPSC opened the current docket. The dialogue prior to the May 2007  
19 submission resulted in more specificity with respect to Gulf's overlashing  
20 notification process. The dialogue since the original submission led to the  
21 removal of certain third-party attachment specifications from the Plan.  
22 Gulf has and will continue to share information with the third-party  
23 attachers regarding the potential cost impact of the Plan.

24  
25

1 Q. In the Plan, does Gulf provide a detailed description of the extent to which  
2 the electric infrastructure improvements involve joint-use facilities on  
3 which third-party attachments exist?

4 A. Yes. Gulf Power has and will continue to work with all third-party  
5 attachers to provide sufficient details of proposed electric infrastructure  
6 improvements to determine potential impacts to joint-use facilities.

7 Detailed location maps of potentially-impacted joint-use facilities  
8 have been and will continue to be provided to all interested third-party  
9 attachers. The locations identified on the maps indicate where a third-  
10 party attacher has one or more attachments on a pole.

11  
12 Q. In the Plan, does the Company provide a reasonable estimate of the costs  
13 and benefits to third-party attachers affected by the electric infrastructure  
14 improvements, including the effect on reducing storm restoration costs  
15 and customer outages realized by the third-party attachers?

16 A. Yes. In Section 12.0 of the Plan, Gulf identifies costs and benefits to  
17 third-party attachers based on information supplied to Gulf by the third-  
18 party attachers. Since filing the Plan, Gulf has furnished additional,  
19 detailed location maps of the infrastructure improvement projects to allow  
20 third-party attachers to better evaluate their cost and benefits.

21  
22 Q. Do Gulf's proposed changes to the third-party attachment standards and  
23 procedures meet the objectives of enhancing reliability and reducing  
24 restoration costs and outage times in a prudent, practical, and cost-  
25 effective manner to the affected parties?

1 A. Yes. Gulf's Plan, which includes the Ten-Part Storm Preparedness  
2 Plan initiatives that were approved by the Commission in Order Nos. PSC-  
3 06-0781-PAA-EI and PSC-06-0947-PAA-EI, can reasonably be expected  
4 to enhance the reliability and reduce restoration cost and outage times in  
5 a cost-effective manner. By performing the joint-use pole attachment  
6 audits and pole strength and loading analysis where appropriate, Gulf's  
7 Plan is prudent, practical, and cost-effective.

8

9 Q. Does this conclude your direct testimony?

10 A. Yes.

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

AFFIDAVIT

STATE OF FLORIDA     )  
                                  )  
COUNTY OF ESCAMBIA )

Docket No. 070299-EI

Before me the undersigned authority, personally appeared Alan G. McDaniel, who being first duly sworn, deposes, and says that he is the Project Services Manager of Power Delivery for Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge, information, and belief. He is personally known to me.

Alan G. McDaniel  
Alan G. McDaniel  
Project Services Manager

Sworn to and subscribed before me this 23<sup>rd</sup> day of August,  
2007.

Brame Nye Holsinger  
Notary Public, State of Florida at Large

Commission No. DD 401210

My Commission Expires April 10, 2009

