Dorothy Menasco

From: Nanci_Nesmith@fpl.com
Sent: Thursday, October 02, 2008 4:47 PM
To: Filings@psc.state.fl.us
Cc: David Dowds; Bob_Valdez@fpl.com; Natalie_Smith@fpl.com; Lynne_Adams@fpl.com
Subject: E-Filing - FPL's Response to Staff's Data Request re: Post Storm Data Collection and Forensic Analysis for Tropical Storm Fay
Attachments: 10-2-08 Response to Staff Data Request-TS Fay.pdf

Electronic Filing

a. Person responsible for this electronic filing:

Natalie F. Smith
Florida Power & Light Company
215 S. Monroe St., Suite 810
Tallahassee, FL 32301
(850)521-3920
natalie_smith@fpl.com

b.Undocketed 080000

c. Document being filed on behalf of Florida Power & Light Company.

d. There is a total of 1 page.

e. The document attached for electronic filing is FPL's Post Storm Data Collection and Forensic Analysis for Tropical Storm Fay.

(See attached file: 10-2-08 Response to Staff Data Request-TS Fay.pdf)

Florida Power & Light Company, 215 S. Monroe St., Suite 810, Tallahassee, FL 32301

October 2, 2008

Ms. Ann Cole
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket 080000, Response to Staff's Data Request regarding Post Storm Data Collection and Forensic Analysis for Tropical Storm Fay

Dear Ms. Cole:

Attached is Florida Power & Light Company's response to the Data Request dated September 3, 2008 from Mr. Dave Dowds regarding the Post Storm Data Collection and Forensic Analysis for Tropical Storm Fay.

Please contact me at (850) 521-3920 if you have further questions.

Sincerely,

Natalie F. Smith

Attachment

cc: Dave Dowds, Supervisor, Cost Analysis Section

In FPL's approved plan for collecting overhead (OH) vs. underground (UG) storm performance data (Storm Prep Initiative No. 7) it was noted that the ability to gather statistically valid forensic data is highly dependent on the characteristics of each individual storm and its resulting restoration requirements. A storm must have sufficient intensity in a given geographic region to require a restoration period lasting a number of days. Otherwise, the facilities will be restored faster than the forensics teams can visit them. In most cases, tropical storms will not produce enough damage (and resulting restoration duration) for forensic data collection. Tropical Storm Fay proved to be such a case. While FPL's total storm restoration lasted 6 days as Fay moved slowly across the territory making multiple landfalls, each affected area was restored within 1 to 2 days, with most customers being restored within hours. Therefore, Fay did not create enough local restoration requirements to permit obtaining statistically valid forensics data.

However, FPL did activate its forensics plan as a live test of our tools and processes. Forensic teams were dispatched to the South Dade, Central Dade and Naples management areas (those initially affected by Fay). For informational purposes, a summary of outage tickets and observed damage is provided for these specific areas below. Again, it is critical to recognize that this data is not statistically significant and, therefore, cannot be extrapolated as either a valid comparison of OH vs. UG performance or to represent FPL's system performance as a whole. As noted below, since damage was limited and most outages were being restored within hours, FPL did not dispatch the forensics teams to any other areas.

OUTAGES - Final lateral circuit outage tickets in the South Dade, Central Dade and Naples areas only:

	Total Laterals	Outage Tickets	% of Total
OH	9,314	295	3.2%
UG	15,312	41	0.3%

Note: An outage ticket only indicates that an outage has occurred - not that facilities have necessarily been damaged.

OBSERVED DAMAGE - 42 tickets for lateral circuits (24 OH and 18 UG) were selected for observation. As expected, most (over 75%) of those selected had already been restored prior to the forensics teams' arrival. Below is the damage observed for those that were still out of service.

OH Damage - 5 tickets - conductor; 1 ticket - transformer
UG Damage - 1 ticket - transformer; 1 ticket - cable