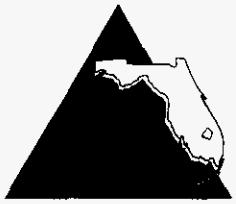

Florida Public Utilities Company

P O Box 3395
West Palm Beach
FL 33402-3395

March 24, 1999

Florida Public Service Commission
Division Records and Reporting
2540 Shumard Oak Blvd
Tallahassee FL 32399-0950

Re: Electric & Gas Utility Staff Work Shop 3/29/99

In accordance with your request to file written responses to the Staff Work Shop on Electric and Gas Prepardness and Readiness, we are attaching the following comments to the 18 questions.

Should you require additional information please contact me at (561) 838-1741.

Sincerely,

W D Little

W. D. Little
Manager IS Department

Enc

ELECTRIC AND GAS UTILITIES WORKSHOP

MARCH 29, 1999

1. **Has your utility bifurcated its Year 2000 remediation efforts between "mission critical" and "important" systems?**

   Yes we have.

2. **If your utility has bifurcated its remediation efforts, what functions (e.g., safety, generation, customer billing, accounting, payroll) make up the "mission critical" category? What functions make up the "important" category? Please describe how you distinguish between "mission critical" and "important" systems.**

   Mission Critical

   System Integrity – Energy source to customer
   Safety – Leak response
   CIS – Customer maintenance – on/off orders

   Important

   Customer Billing
   Meter Reading
   Payroll
   Accounting

   Mission critical systems were deemed to be those systems required to: 1) provide uninterrupted flow of energy to customer, 2) provide safety to the general population, our customers and employees specifically, and 3) provide continuity of service to both current and potential customers.

   Important systems were defined as those systems necessary to function in order to permit the Company operate as an ongoing concern.

3. **Has your utility prioritized its "mission critical" systems? If so, please provide the priority listing.**

   Yes we have.

   1. System Integrity – Energy source to customer
   2. Safety – Leak response
   3. CIS - Customer maintenance – on/off orders

W. D. Little
3/22/1999

4. **What method are you using to test your mainframe computers? Please describe this method.**

Use of "development box" AS/400 Model 170 in conjunction with actual production runs of those systems having software rewritten. Model 170 will be used to reset dates to those suspected of potentially causing problems and then running software and data against the critical dates.

5. **What systems do you have running on mainframe computers?**

1. Utility Billing (CIS, File Maintenance, Billing)
2. Meter Reading
3. Payroll
4. Accounting (General Ledger, Payables Ledger, Fixed Asset)
5. Inventory
6. Transportation
7. Construction Work Order

6. **What "mission critical" systems are not run on mainframe computers?**

System Integrity.

7. **What systems have you found that contain date-sensitive embedded chips?**

Some large meters for gas and electric. None are controlling flow of energy.

8. **Are embedded chips being tested both as a stand-alone device and as part of an integrated system? If not, why not?**

No, none control flow of energy

9. **Are all "mission critical" related mainframe computers, PC computers, and embedded chips being tested notwithstanding any vendor's or manufacturer's claim that the device is year 2000 compliant? If not, why?**

Yes they are.

10. **Are you conducting sampling tests instead of testing all of your systems? If you are conducting sampling tests, please describe the methodology you are using and explain how and why you selected this methodology.**

Sampling tests will be used to test our systems.

Twenty percent of our complete billing cycles will be used to test our Utility Billing and Meter Reading Systems. We will test several complete days of our customer service orders and maintenance requests. Accounting Systems will be tested by posting test vouchers and journal entries, running a trial balance, and then running a "test" check run.

It is felt that a complete day's entry of data is the best all-inclusive method of testing. Should this method reflect any errors or suspicious data based on date calculations, then the errors will be investigated and the test expanded.

11. **What precautions are you taking to ensure that "mission critical" communications links are not interrupted? Will these precautions be detailed in your contingency plan?**

Have contacted Bell South and long distance carriers for Year 2000 assurance. These precautions will be detailed in our contingency plan.

12. **What dates, in addition to the millennium rollover, are being tested? Why?**

1) 09/09/1999 Sometimes used by programmers as null date
2) 02/29/2000 Leap year
3) 12/31/2000 Year end of leap year

13. **Has your utility conducted or scheduled any contingency drills? If so, please indicate the purpose of each drill.**

Our contingency plan, patterned after our hurricane disaster plan, is scheduled for completion by July 1, 1999. Drills will be scheduled after the plan is finished.

14. **What "mission critical" systems and locations will manned during the millennium rollover? Will these assignments be detailed in your contingency plan?**

1) Key personnel from both gas and electric divisions will be on duty during the rollover. In addition, support personnel will be on call and available for special needs should the situation warrant

2) These assignments will be detailed in the contingency plan.

15. **What is your company's internal deadline for testing and remediating the following:**

1)	mainframe computers	-	July 1, 1999
2)	PC computers	-	July 1, 1999
3)	embedded chips on a system integration basis	-	N/A

16. **What tests are you conducting to ensure that "non-mission critical" operations, which may not be Year 2000 compliant, will not inadvertently affect "mission critical" operations?**

All testing will be done on a AS/400 Model 170 development box.

17. **FPL/Florida Power Corp. Only questions re: NRC requirements.**

18. **Is your natural gas distribution system SCATA-controlled? If so, can any embedded chip not Year 2000 compliant send an erroneous signal that can lead to an interruption in natural gas delivery?**

Our distribution system is not SCATA controlled. It is only monitored by SCATA. There are no embedded chips that might lead to an interruption in natural gas delivery.