

One Energy Place
Pensacola, Florida 32520

Tel 850.444.6111



April 5, 1999

Ms. Brenda Buchan
Division of Research and Regulatory Review
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0872

Dear Ms. Buchan:

RE: Year 2000 Readiness


The information sent on to you on March 31, 1999 in regard to Gulf Power Company's response to Commissioner's Garcia's letter January 20, 1999, regarding Year 2000 readiness was not complete. Attached is the complete information. Also, Gulf has Year 2000 information on our website at WWW.GULFPOWER.COM that the general public can access.

Sincerely,

A handwritten signature in cursive script that reads "Susan D. Ritenour".

Susan D. Ritenour
Assistant Secretary and Assistant Treasurer

lw

cc: Beggs and Lane
Jeffrey A. Stone, Esquire
Florida Public Service Commission
Blanca S. Bayo 

DOCUMENT NUMBER-DATE

04521 APR-8 8

FPSC-RECORDS/REPORTING

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
 Organization Information

Version 3.1

1. Date? 03/31/99

2. Organization? Southern Company

2a. Organization type? (Check the one that applies best)

Investor Owned	FedAgcy	State/ Province	Muni	G&T Coop	Rural Coop	IPP	ISO/ Region	Other
X								

2b. Organization functions? (Check all that apply)

CntrlArea	Transmtn	Generatr	Regional		
			SecCoord	Distribn	Other
X	X	X	X	X	X

2c. Organization size? (Indicate the amount in MW of each of the following covered by this report)

System PeakLoad	NonNucl. GenCpcty	Nuclear GenCpcty
37259	34795	5670

3. NERC Region? SERC

4a. Person in charge of organization Y2K readiness program

(Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.)

Name J. M. (Mike) McClure
 Title Millennium Project Executive
 Phone (404) 506-5220
 FAX # (404) 506-5238
 E-mail jmmcclur@southernco.com

4b. If you wish to receive a confirmation of the entry of your response into the NERC composite database, check this box and enter the name and E-mail address to whom the confirmation should be sent

X
 Name D. H. (Doug) Smith
 E-mail dsmith@southernco.com

5a. Contact person for nuclear generation facilities (Optional)

Name _____
 Title _____
 Dept. _____
 Phone # _____
 FAX # _____
 E-mail _____

5b. Contact person for non-nuclear generation facilities

Name D. H. (Doug) Smith
 Title Millennium Project Manager
 Dept. Millennium Project
 Phone # (404) 506-5229
 FAX # (404) 506-5238
 E-mail dsmith@southernco.com

6. Contact person for energy management systems

Name R. L. (Raymond) Vice
 Title Manager Operations Engineering
 Dept. Bulk Power Operations
 Phone # (205) 257-6209
 FAX # (205) 257-6663
 E-mail rvice@southernco.com

7. Contact person for telecommunications systems

Name D. H. (Doug) Smith
 Title Millennium Project Manager
 Dept. Millennium Project
 Phone # (404) 506-5229

Org. Info

	FAX #	(404) 506-5238
	E-mail	dsmith@southernco.com
8. Contact person for substation control, system protection and distribution systems	Name	D. H. (Doug) Smith
	Title	Millennium Project Manager
	Dept.	Millennium Project
	Phone #	(404) 506-5229
	FAX #	(404) 506-5238
	E-mail	dsmith@southernco.com
9. Contact person for distribution systems	Name	D. H. (Doug) Smith
	Title	Millennium Project Manager
	Dept.	Millennium Project
	Phone #	(404) 506-5229
	FAX #	(404) 506-5238
	E-mail	dsmith@southernco.com
10. Contact person for business information systems	Name	J. S. (Janet) Katzenberg
	Title	Millennium Project Manager
	Dept.	Millennium Project
	Phone #	(404) 506-5214
	FAX #	(404) 506-5238
	E-mail	jskatzen@southernco.com

11. Any comments? Enter below:

General Planning

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
 General Y2K Planning
 Version 3.1

1. Date? 03/31/99

2. Do you have a written plan for Y2K readiness? (Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.)

Yes	<input checked="" type="checkbox"/>
In process	<input type="checkbox"/>
Unwritten	<input type="checkbox"/>
No	<input type="checkbox"/>

2a. If **No**, does your organization intend to prepare one Yes No
 When? _____

3a. Does your organization's Y2K Program report directly to a VP or higher? Yes No

3b. Does your Board of Directors or governing body receive regul (at least quarterly) reports on the status of your Y2K Program? Yes No

4. Please identify the present overall status of Y2K Program for your electric systems:

	<u>Est. Completion Date</u>	<u>% Complete</u>
Inventory	<u>07/01/97</u>	<input checked="" type="checkbox"/> 100
Assessment	<u>07/01/98</u>	<input checked="" type="checkbox"/> 100
Remediation/Testing	<u>06/01/99</u>	<input checked="" type="checkbox"/> 85

5. Does your Y2K analysis take into account a potential breakdown in the supply chain and/or transportation of fuel, water, chemicals, material supplies, etc? Yes No

6a. What is the status of your Y2K operating contingency preparedness?

	Haven't started	Started looking	Have plan	Have tested & drilled plan
Power system Y2K studies	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Y2K blackstart/restoration plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Safe shutdown of power plant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Y2K special operating procedures & plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Y2k personnel staffing and training	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*Scenario analysis, capacity shortages/overages

6b. Results of 6a above available to others Yes No

7. When do you expect your organization to be Y2K ready (for mission critical facilities that are needed to meet operating requirements into the Year 2000) Date 06/30/99

8. List the greatest obstacles your organization faces in achieving Y2K readiness by December 31, 1999?
Continuing to remain on schedule by receiving vendor materials as require

9. Please detail any Y2K Readiness concerns that you feel are beyond your organization's control and for which you lack external support.
Supplier changes in compliance status
Telecommunications supplier readiness - mainly in remote location

General Planning

Vendor readiness - ability to supply upgrades on our schedu

10. Any comments? Enter below:

Device/Component/system name

Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
Nuclear Generation Facilities
 Version 3.1

Note: This section of the report is optional when responding for the NERC Y2K Readiness Assessment. Any responses received by NERC will be forwarded to NEI, which is facilitating assessment of nuclear plants.

1. Date 03/31/99

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete				
	N/A)	I)	A)	R)	
Reactor control systems		100	100	91	N/A) Not applicable
Safe shutdown systems		100	100	100	
Fuel handling and storage systems		100	100	87	I) Inventory
Turbine/generator systems		100	100	50	
Balance of plant - water and steam systems		100	100	91	A) Assessment
Environmental systems (including emission controls/monitoring)		100	100	78	
Electrical systems, power supplies, switchyard under plant control		100	100	100	R) Remediation and testing
Data acquisition and communications systems		100	100	60	
Voice communications systems		100	100	29	
Unit and station protection systems/relay		100	100	56	

(*% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* systems in nuclear generation facilities do you expect to be Y2K ready** by the end of:?

3Q98	4Q98	1Q99
<input type="text"/>	<input type="text" value="69"/>	<input type="text" value="85"/>

*Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.

2Q99	3Q99	4Q99
<input type="text" value="99"/>	<input type="text" value="99"/>	<input type="text" value="100"/>

** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.

4. Have you completed an integrated test of the facilities listed in 2 above N/A Yes No X

5. Have you completed contingency planning for components/systems in 2 above Yes No X

6. How will your organization measure Y2K readiness for components/systems in 2 above? (Check all that apply.)

Component test	<input checked="" type="checkbox"/>
Simulations	<input checked="" type="checkbox"/>
Outside testing	<input checked="" type="checkbox"/>
Vendor verification	<input checked="" type="checkbox"/>
Other	<input type="text"/>

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunication X

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K nuclear generating facility problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K nuclear generation facility problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Safe shutdown systems were inventoried, assessed and were found not to have a Y2K impact.

Device/Component/system name

Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure

**NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
Non-Nuclear Generation Facilities**

Version 3.1

1. Date 03/31/99

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete				
	N/A)	I)	A)	R)	
Fuel supply and handling system:		100	100	90	N/A) Not applicab
Boiler control and feed system:		100	100	75	
Turbine/generator system:		100	100	75	I) Inventory
Balance of plant water and steam system		100	100	90	
Water treatment system:		100	100	85	A) Assessment
Environmental systems (including ash, emissions, waste		100	100	75	
Electrical systems, power supplies, switchyard under plant contr		100	100	83	R) Remediation and testing
Data acquisition and communications system		100	100	80	
Voice communications system:		100	100	90	
Unit and station protection systems/relay		100	100	80	

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in a phase that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* systems in generation facilities do you expect to be Y2K ready** by the end of:

3Q98	4Q98	1Q99
0	75	75
2Q99	3Q99	4Q99
100	100	100

*Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.

** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.

4. Have you completed necessary integrated system (multi-component testing of the facilities listed in 2 above? N/A Yes No

5. Have you completed contingency planning for components/systems in 2 above? Yes No

6. How will your organization measure Y2K readiness for components/systems in 2 above? (Check all that apply)

Component tests	<input checked="" type="checkbox"/>
Simulations	<input checked="" type="checkbox"/>
Outside testing	<input checked="" type="checkbox"/>
Vendor verification	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/> On-Line testing

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunications

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K non-nuclear generating facility problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K non-nuclear generation facility problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

Non-Nuclear Gen

10. Any comments? Enter below:

Device/Component/system name

Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
 Energy Management Systems, SCADA
 Version 3.1

1. Date 03/31/99

2. Are the following (mission-critical* facilities) Y2K ready?

	% Complete				
	N/A	I)	A)	R)	
Control center computer systems		100	95	90	N/A) Not applicable
Data acquisition subsystems		100	90	90	I) Inventory
UPS systems		100	100	65	A) Assessment
Voice and data communications systems		100	100	65	R) Remediation and testing
Remote terminal units (RTUs)		100	100	100	
Metering equipment systems (tie lines)		100	100	100	
Backup control center		100	90	50	

(*% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* EMS/SCADA facilities do you expect to be Y2K Ready** by the end of:

3Q98	4Q98	1Q99
0	25	50

*Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.

2Q99	3Q99	4Q99
100	100	100

** Y2K ready means a system or application has been determined to be suitable for continued use into the year 2000.

4. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above? N/A Yes No

5. Have you completed contingency planning for components/systems in 2 above? Yes No

6. How will your organization establish Y2K readiness for components/systems in 2 above? (Check all that apply.)

Component test	<input checked="" type="checkbox"/>
Simulations	<input checked="" type="checkbox"/>
Outside testing	<input checked="" type="checkbox"/>
Vendor verification	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunications.

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K EMS/SCADA problem, please first describe the problem and the solution to that problem.

9. Have you encountered any Y2K EMS/SCADA problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:
Due to the distributed architecture of the Southern Co. EMS hardware/software as well as distributed control center facilities with various support staff, a composite survey response is difficult because each location has different schedules and degrees of completion. A Southern Company Millennium project team has been established to coordinate and track these dispersed activities.

10. Any comments? Enter below:

Device/Component/system name:

Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
Telecommunications Systems
 Version 3.1

1. Date 03/31/99

2. Are the following mission-critical* facilities Y2K ready?

	% Complete				
	N/A)	I)	A)	R)	
Telephone switches and key systems		100	100	95	N/A) Not applicab
Microwave systems:		100	100	100	
Mobile radio systems:		100	100	100	I) Inventory
SCADA radio?		100	100	100	
Data WAN/LANs including networking equipment		100	100	69	A) Assessment
Modems?		100	100	100	
Network equipment:		100	100	90	R) Remediation and testing
Fiber systems?		100	100	55	
Leased lines:		100	50	100	
Power line carrier systems'	X				
Satellite systems:		100	100	100	
Telecommunications management systems		100	100	95	

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* telecommunications facilities do you expect to be Y2K ready** by the end of

3Q98	4Q98	1Q99
25	50	75

*Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.

2Q99	3Q99	4Q99
100	100	100

** Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.

4. Have you completed necessary integrated system (multi-component testing of the facilities listed in 2 above?

N/A Yes No

5. Have you completed contingency planning for components/systems in 2 above?

Yes No

6. How will your organization establish Y2K readiness for components/systems in 2 above? (Check all that apply)

Component tests	<input checked="" type="checkbox"/>
Simulations	<input checked="" type="checkbox"/>
Outside testing	<input checked="" type="checkbox"/>
Vendor verification	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

7. How will communications facilities leased by your organization be determined to be Y2K ready?

Check this box if you are providing a single answer for your organization under telecommunication services:
 Meetings have been held with the two largest telcos that provide leased communication facilities to Southern Company.
 Analysis is in progress on five primary services:

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K telecommunications facility problem, please first describe the problem and then the solution to that problem.

9. Have you encountered any Y2K telecommunications problem(s) that are particularly difficult to resolve and you would like to collaborate with others in resolving? If so, please describe:

10. Any comments? Enter below:

Device/Component/system name
Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure

NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
Substation Controls, System Protection and Distribution

Version 3.1

1. Date 03/31/99

2. Are the following mission-critical* facilities Y2K ready?

	% Completion				
	N/A)	I)	A)	R)	
Transmission and/or distribution facilities internal to substation					
Microprocessor relays:					
Special protection schemes (gen. reject'n., line trip., etc)		100	100	100	N/A) Not applicab
Load shedding controls and underfrequency relay		100	100	100	I) Inventory
Circuit breaker and switching device control		100	100	100	A) Assessment
LTC and regulator controls - inside the substatio		100	100	100	R) Remediation and testing
Recloser controls - inside the substation		100	100	100	
Digital fault recorders / digital transient recorders		100	100	100	
Terminal equipment for telecommunications facilities		100	100	100	
Substation service controls (incl. battery chargers)		100	100	100	
Disturbance analyzers:		100	100	100	
Distribution facilities outside the substation					
Transfer/recloser controls - outside the substatio		100	100	100	
Sectionalizer controls - outside the substation		100	100	100	
Capacitor controls - outside the substation		100	100	100	
Voltage regulators - outside the substation		100	100	100	
Data gathering equipment - outside the substation		100	100	100	

(% Complete - Report as amount of work completed in each phase divided by total amount of work to do in that phase. If no remediation and testing is required in an area that was inventoried and assessed, then show remediation and testing as 100% complete.)

3. What percentage of your mission-critical* substation, system protective and distribution controls do you expect to be Y2K ready** by the end of

3Q98	4Q98	1Q99
90	100	100

*Mission-critical means that misoperation of the referenced device or software could directly contribute toward the loss of a 50 MW or larger generating resource, the loss of a transmission facility, or interruption of system load.

2Q99	3Q99	4Q99
100	100	100

** Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.

4. Have you completed an integrated test of the facilities listed in 2 above? N/A Yes No

5. Have you completed contingency planning for components/systems in 2 above? Yes No

6. How will your organization establish Y2K readiness for components/systems in 2 above? (Check all that apply)

Component tests	<input checked="" type="checkbox"/>
Simulations	<input checked="" type="checkbox"/>
Outside testing	<input checked="" type="checkbox"/>
Vendor verification	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/> Integration Testing

7. How will communications facilities leased by your organization be determined to be Y2K ready? Check this box if you are providing a single answer for your organization under telecommunications

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K substation controls, system protection or distribution problem, please first describe the problem and then the solution to that problem.
 In order to create an integrated test within the distribution function, we are building a test facility that will consist

a large percentage of each type of component that exists in inventory (relays, reclosures, meters, etc.). It will
used to integrate the data testing of the various devices and will have long term collateral benefits to South

9. Have you encountered any Y2K substation controls, system protection or distribution problem(s) that are particularly difficult to resolve and you would like to collaborate with other in resolving. If so, please describe:

10. Any comments? Enter below:

Device/Component/system name
Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESSMENT
 IT Business Information Systems
 Version 3.1

This Section of the Assessment report will be analyzed by the Edison Electric Institute in support of the industry report to the Department of Energy.

Organization Information

1. Date? 03/31/99

2. Are the following IT Business Systems Y2K Ready**?

- Customer Information Systems
- Call Center Systems
- Financial and Cost Management Systems (e.g., General Ledger, Budget, Cost Reporting)
- Plant Maintenance Systems
- Distributed Work Management
- Geographical Information Systems/Distribution Assets
- Accounts payable/purchasing/inventory
- Electronic Data Interchange Systems
- Transmission Work Management
- Fixed Asset Systems
- Security Systems (e.g., System and Facility Access)
- Facility Operating Systems (e.g., HVAC, Lighting Controls)

	% Complete		
	N/A)	I)	A) R)
Customer Information Systems	100	100	99
Call Center Systems	100	100	100
Financial and Cost Management Systems (e.g., General Ledger, Budget, Cost Reporting)	100	100	100
Plant Maintenance Systems	100	100	100
Distributed Work Management	100	100	100
Geographical Information Systems/Distribution Assets	100	100	100
Accounts payable/purchasing/inventory	100	100	100
Electronic Data Interchange Systems	100	100	100
Transmission Work Management	100	100	100
Fixed Asset Systems	100	100	100
Security Systems (e.g., System and Facility Access)	100	100	98
Facility Operating Systems (e.g., HVAC, Lighting Controls)	100	100	98

N/A) Not applicable

I) Inventory

A) Assessment

R) Remediation and Testing

(If you don't have to do remediation and testing, report item 100% complete.)

3. What percentage of the systems listed in question 2 do you expect to be Y2K Ready** by the end of:

3Q98	4Q98	1Q99
50	95	100
2Q99	3Q99	4Q99
100	100	100

4. What percentage of the supporting infrastructure (e.g., Data Center, CPUs, Systems Software LAN/WAN) for the systems listed in question 2 do you expect to be Y2K Ready* by the end of:

3Q98	4Q98	1Q99
60	80	80
2Q99	3Q99	4Q99
100	100	100

5. Have you completed necessary integrated system (multi-component) testing of the facilities listed in 2 above?

N/A Yes No

6. How will your organization determine Y2K Readiness* for the systems listed in question 2? (Check all that apply.)

- Component test
- Simulation
- Outside testing
- Vendor verification
- Other

<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

7. How will the Y2K Readiness* of business systems outsourced by your organization be determined?
 N/A

8. If your organization has found a unique / creative solution (a good idea we want to share) to a Y2K business system problem, please first describe the problem and then the solution to that problem.

Business Systems

9. Have you encountered any Y2K business system problem(s) that are particularly difficult to resolve and would like to collaborate with others in resolving? If so, please describe:

* Y2K Ready means a system or application has been determined to be suitable for continued use into the year 2000.

10. Any comments? Enter below:

Device/Component/system name:

Test description:

Test results:

Comments:

A Year 2000 Readiness Disclosure
NERC Y2K ELECTRIC SYSTEM READINESS ASSESS
Database Staff - for NERC use only
 Version 3.1

Organization Information

1. Date?			03/31/99	03/31/99	03/31/99
2a. Org. type	IOU		X	1	1
	FedAgcy		0		
	State		0		
	Muni		0		
	G&T		0		
	RuralCoop		0		
	IPP		0		
	ISO /Region		0		
	Other		0		
2b. Org. functions	ContrArea		X	1	1
	Transmsn		X	1	1
	Generatn		X	1	1
	Regional SecCoord		X	1	1
	Distrbtn		X	1	1
	Other		X	1	1
2c. Size	System PeakLoad			37259	37259
	NonNucl. Capacity			34795	34795
	Nuclear Capacity			5670	5670
3. NERC Region?			SERC	SERC	SERC
General Y2K Planning					1
2. have a written plan?	Yes		X	1	1
	In process		0		
	Unwritten		0		
	No		0		
2a. If No, intend to?	Yes		0		
	No		0		
	When		01/00/00		
3a. Report to a VP?	Yes		X	1	1
	No		0		
3b. Qtrly rpt to bd?	Yes		X	1	1
	No		0		
4. Overall status	Inventory	Est Date	07/01/97	07/01/97	07/01/97
	Inventory	% Cmpl		100	100
	Assess	Est Date	07/01/98	07/01/98	07/01/98
	Assess	% Cmpl		100	100
	Rmd/Tst	Est Date	06/01/99	06/01/99	06/01/99
	Rmd/Tst	% Cmpl		85	85
5. Potential breakdown	Yes		X	1	1
	No		0		
6a. Conting. prep?	Pwr syst	No start	0		
		Started	X	1	1
		Have plan	#REF!	#REF!	#REF!

db

	Tested	0		
Blackstart	No start	0		
	Started	0		
	Have plan	0		
	Tested	X	1	1
Safe shut	No start	0		
	Started	0		
	Have plan	0		
	Tested	X	1	1
Special op	No start	0		
	Started	0		
	Have plan	X	1	1
	Tested	0		
Staff&train	No start	0		
	Started	0		
	Have plan	X	1	1
	Tested	0		
6b. Results to others?	Yes	X	1	1
	No	0		
7. When ready?	Date	06/30/99	06/30/99	06/30/99
Nuclear Generation Facilities				
2. Ready?	Reactor controls	N/A	0	
	I	100	100	100
	A	100	100	100
	R	91	91	91
Safe shutdown system	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Fuel handling and stor	N/A	0		
	I	100	100	100
	A	100	100	100
	R	87	87	87
Turbine/generator sys	N/A	0		
	I	100	100	100
	A	100	100	100
	R	50	50	50
Balance of plant - wat	N/A	0		
	I	100	100	100
	A	100	100	100
	R	91	91	91
Environmental system	N/A	0		
	I	100	100	100
	A	100	100	100
	R	78	78	78
Electrical systems, po	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Data acquisition and c	N/A	0		
	I	100	100	100

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	A	100	100	100
	R	60	60	60
Voice communications	N/A	0		
	I	100	100	100
	A	100	100	100
	R	29	29	29
Unit and station protection	N/A	0		
	I	100	100	100
	A	100	100	100
	R	56	56	56
3. % Ready by	3Q98		0	0
	4Q98		69	69
	1Q99		95	95
	2Q99		99	99
	3Q99		99	99
	4Q99		100	100
4. Integrated test?	N/A	0		
	Yes	0		
	No	X	1	1
5. Contingency planning?	Yes	0		
	No	X	1	1
6. How Measure	Component test	X	1	1
	Simulations	X	1	1
	Outside testing	X	1	1
	Vendor verification	X	1	1
	Other	0		
7. Single answer for telecom?		X	1	1
Non-nuclear Generation Facilities				
2. Are the fuel supply and handling	N/A	0		
	I	100	100	100
	A	100	100	100
	R	90	90	90
Boiler control and feedwater	N/A	0		
	I	100	100	100
	A	100	100	100
	R	75	75	75
Turbine/generator systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	75	75	75
Balance of plant water	N/A	0		
	I	100	100	100
	A	100	100	100
	R	90	90	90
Water treatment systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	85	85	85
Environmental system	N/A	0		
	I	100	100	100
	A	100	100	100

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	R	75	75	75
Electrical systems, power	N/A	0		
	I	100	100	100
	A	100	100	100
	R	83	83	83
Data acquisition and control	N/A	0		
	I	100	100	100
	A	100	100	100
	R	80	80	80
Voice communications	N/A	0		
	I	100	100	100
	A	100	100	100
	R	90	90	90
Unit and station protection	N/A	0		
	I	100	100	100
	A	100	100	100
	R	80	80	80
3. What percentage of your missiles	3Q98		0	0
	4Q98		50	50
	1Q99		75	75
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
4. Integrated test?	N/A	0		
	Yes	0		
	No	X	1	1
5. Contingency planning?	Yes	0		
	No	X	1	1
6. How Measure	Component test	X	1	1
	Simulations	X	1	1
	Outside testing	X	1	1
	Vendor verification	X	1	1
	Other	X	1	1
7. Check this box if you are providing a single		X	1	1
Energy Management Systems, SCADA				
2. Are the following (mission-critical* facilities) Y2K ready?				
Control center computer	N/A	0		
	I	100	100	100
	A	95	95	95
	R	90	90	90
Data acquisition subsystem	N/A	0		
	I	100	100	100
	A	90	90	90
	R	90	90	90
UPS systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	65	65	65
Voice and data communication	N/A	0		
	I	100	100	100
	A	100	100	100

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	R	66	66	66
Remote terminal units	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Metering equipment	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Backup control center	N/A	0		
	I	100	100	100
	A	90	90	90
	R	50	50	50
3. What percentage of your mission	3Q98		0	0
	4Q98		25	25
	1Q99		50	50
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
4. Have you completed necessary	N/A	0		
	Yes	0		
	No	X	1	1
5. Have you completed contingency	Yes	0		
	No	X	1	1
6. How will your organization	Component test	X	1	1
	Simulations	X	1	1
	Outside testing	X	1	1
	Vendor verification	X	1	1
	Other	0		
7. Check this box if you are providing a single		X	1	1
Telecommunications Systems				
2. Are the following mission	Telephone	N/A	0	
	I	100	100	100
	A	100	100	100
	R	95	95	95
Microwave	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Mobile radio	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
SCADA radio	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Data WAN	N/A	0		
	I	100	100	100
	A	100	100	100
	R	69	69	69

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Modems?	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Network ec	N/A	0		
	I	100	100	100
	A	100	100	100
	R	90	90	90
Fiber syste	N/A	0		
	I	100	100	100
	A	100	100	100
	R	55	55	55
Leased line	N/A	0		
	I	100	100	100
	A	50	50	50
	R	100	100	100
Power line	N/A	X	1	1
	I	0		
	A	0		
	R	0		
Satellite sy	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Telecomm	N/A	0		
	I	100	100	100
	A	100	100	100
	R	95	95	95
3. What percentage of your missi	3Q98		25	25
	4Q98		50	50
	1Q99		75	75
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
4. Have you completed necessar	N/A	0		
	Yes	0		
	No	X	1	1
5. Have you completed contingen	Yes	0		
	No	X	1	1
6. How will your organization esta	Component	X	1	1
	Simulation:	X	1	1
	Outside tes	X	1	1
	Vendor ver	X	1	1
	Other	0		
7. Check this box if you are providing a single		X	1	1
Substation Controls, System Protection and Distribution				
2. Are the following mi	Microproce	N/A	0	
	I	100	100	100
	A	100	100	100
	R	100	100	100
Special prc	N/A	0		

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I	100	100	100
A	100	100	100
R	100	100	100
Load shed	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Circuit breaker	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
LTC and reactor	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Recloser circuit	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Digital fault	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Terminal equipment	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Substation	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Disturbance	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
<i>Distribution facilities outside the substation</i>			
Transfer/reactor	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Sectionalizer	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Capacitor circuit	N/A	0	
I	100	100	100
A	100	100	100
R	100	100	100
Voltage regulator	N/A	0	
I	100	100	100
A	100	100	100

	R	100	100	100
Data gathering	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
3. What percentage of your mission is completed?	3Q98		90	90
	4Q98		100	100
	1Q99		100	100
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
4. Have you completed an integrated system?	N/A	0		
	Yes	0		
	No	X	1	1
5. Have you completed contingency planning?	Yes	0		
	No	X	1	1
6. How will your organization establish a disaster recovery plan?	Component	X	1	1
	Simulation	X	1	1
	Outside test	X	1	1
	Vendor verification	X	1	1
	Other	X	1	1
7. Check this box if you are providing a single point of contact for IT Business Information Systems		X	1	1
2. Are the following systems implemented?	Customer Information	N/A	0	
	I	100	100	100
	A	100	100	100
	R	99	99	99
Call Center Systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Financial and Cost Management	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Plant Maintenance Systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Distributed Work Management	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Geographical Information Systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Accounts payable/purchasing	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100

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Electronic Data Interchange	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Transmission Work Management	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Fixed Asset Systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	100	100	100
Security Systems (e.g. Intrusion Detection)	N/A	0		
	I	100	100	100
	A	100	100	100
	R	95	95	95
Facility Operating Systems	N/A	0		
	I	100	100	100
	A	100	100	100
	R	98	98	98
3. What percentage of the system is supported by the vendor?	3Q98		50	50
	4Q98		95	95
	1Q99		100	100
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
4. What percentage of the support is provided by the vendor?	3Q98		60	60
	4Q98		80	80
	1Q99		90	90
	2Q99		100	100
	3Q99		100	100
	4Q99		100	100
5. Have you completed necessary testing?	N/A	0		
	Yes	0		
	No	X	1	1
6. How will your organization determine system readiness?	Component testing	X	1	1
	Simulation	X	1	1
	Outside testing	0		
	Vendor verification	X	1	1
	Other	0		