

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

1. Date 10/29/99

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

	% Complete			
	N/A	I)	A) R)	
Control center computer systems	100	100	100	N/A) Not applicable
Data acquisition subsystems	100	100	100	I) Inventory
UPS systems	100	100	100	A) Assessment
Voice and data communications systems	100	100	100	R) Remediation and testing
Remote terminal units (RTUs)	100	100	100	
Metering equipment systems (tie lines)	100	100	100	
Backup control center	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\* EMS/SCADA facilities do you expect to be Y2K Ready\*\* by the end of:?

3Q98	4Q98	1Q99
[ ]	[ ]	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.*

2Q99	3Q99	4Q99
100	100	100

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

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

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

Component test	X
Simulations	X
Outside testing	[ ]
Vendor verification	X
Other	[ ]

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. [X]

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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.

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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:  
 No.

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10. Any comments? Enter below:  
 We did not encounter anything other than the usual date problems on the SCADA/EMS. These problems were resolved using the Pivot method of date comparison. Testing on the SCADA/EMS was performed using a completely redundant reserve computer system. Testing extended over many days to allow a complete examination of all subcomponents and repeated year 2000 data/time rollovers.

Device/Component/system name:

Test description:

Test results:

Comments:

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