

Y2K- Facilities' Readiness Status



Expect the Best

Prepare for the Worst

Y2K- Facilities' Readiness Status

FACILITIES' Y2K SPECIFIC GOALS

- Protect Classified Materials/Documents
- Protect Personnel
- Protect and Preserve Property
- Provide reliable source of power, heat, water, light and transportation to support Emergency, Medical and Mission Critical Operations through the 1999/2000 Transition.

Y2K- Facilities' Readiness status

Fleet Services

- All Emergency vehicles are certified Y2K compliant.
- Contracts for Tires, Spare Parts, Diesel, Gas in place.
- 500 gal. Diesel and Gasoline Storage On-site.
- Two Refuel Tankers and Auxiliary Pumps On-site.
- Scheduled PM on Emergency Vehicles to be completed prior to 12/23/99.
- Key Fleet Services Personnel will have \$200 Cash-in hand for emergency materials acquisition.

Y2K- Facilities' Readiness Status

Equipment Operations Status

- All Non-Essential systems/equipment shutdown and disconnected (where possible).
- Identify Equipment under continuous operation.

Y2K- Facilities' Readiness Status

Fire Protection

- If Commercial Electrical power available, business as usual!
- If Commercial Electrical power NOT available, Alarm Panels have Battery back-up as well as audible Mechanical Alarms monitored by Security Watches.
- Weather Conditions will dictate water line drainage activity and alternate Fire Watch contingency plans.

Y2K- Facilities' Readiness Status

Critical Materials Reserves

- Strategic/Critical Maintenance, Repair and Operations materials required..
- Identified Materials will be ordered.
- Materials will be received and stored in Warehouse (or other secure storage area)
- Key Personnel in Facilities Organizations will have \$200 Cash-in-hand for emergency material purchases.

Infrastructure & Special Systems

Y2K

INFRASTRUCTURE SYSTEMS

Exterior Lighting (street & perimeter)

Fuel Oil System

Gas Systems (natural gas, propane)

Grounds Landscaping & Irrigation

High Voltage Metering

Master Substations

Electrical Transmission & Distribution

Mobile Generators

Steam and Condensate Systems

Water Delivery Systems

Fleet Services

SPECIAL SYSTEMS

Energy Management Control System (EMCS)

Fire Alarm & Suppression Systems

Elevator Systems

Square D PowerLogic Metering System

Standby Generator Plant (862)

Steam Plant (ABB system)

Portable Test Equipment

Motorola Radio Communication System

Telephone Systems *

Intrusion Alarm and Security Systems *

Access Control Systems *

* Owned by others

Building Systems

Y2K

- **Building Power Distribution Systems**
 - Programmable electronic breakers
 - Automatic transfer switches
 - Load timers & controllers
 - Variable frequency drives
 - UPS control systems
 - Standby generator controls
- **Mechanical Building Systems**
 - Water heating (HVAC support) system controls
 - Compressed Air System controls
 - HVAC local heating and cooling control systems
 - Chilled Water Primary (HVAC support) controls
 - Process Cooling Water control systems
 - Steam and Condensate control systems
- **Communications intercom system controls**
- **Cranes, hoists, stationary lift controls**
- **Lighting (including emergency lighting) system controls**
- **Other systems with imbedded processors**

PNM Power Loss Scenarios

Y2K

- Anticipated Power Loss probabilities
 - HIGH - frequency & voltage disturbances (cycles to minutes)
 - MODERATE - outages lasting from minutes to several hours
 - LOW - outage lasting up to 24 hours
 - VERY LOW
- Power Company predicted vulnerability window
 - exact window unknown; minor perturbations ongoing
 - radio standby for manual system operation

Power Loss impact

Y2K

- Will directly affect all systems without connected alternate power source
 - Uninterruptible Power (UPS)
 - Permanent standby generator
 - Temporary standby generator
- Outage duration may exceed UPS capacity
- Only specific facility loads connected to alternate power source will be supported

Standby Generator Systems

Y2K

- Permanent/stationary standby generators
- Temporary/mobile standby generators

Y2K Power Loss contingency planning

Y2K

- Plan to isolate non-critical programmatic loads
- Consider impact of anticipated power loss scenarios on critical programmatic loads
- Assess critical programmatic load power requirements
 - Standby/alternate power source availability
 - Additional standby power requirements
- Coordinate with Managers
 - Standby power availability & capability
 - Y2K equipment ownership questions
 - Facilities engineering support

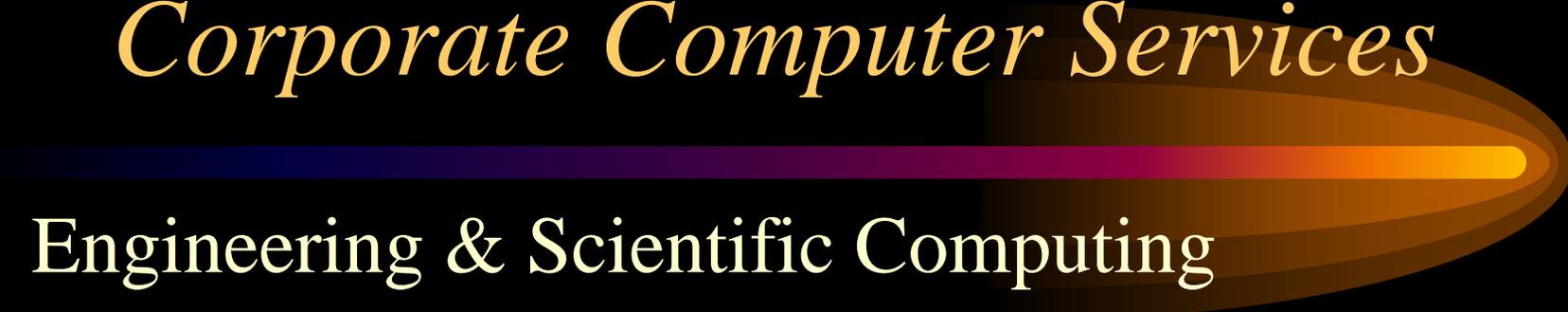
Telephone and Network Services

- Will be completely dependent on the functionality of the Public Switched Network
 - If they loses power, then there will be no external communications.

Corporate Computer Services

- Enterprise Computing
 - Oracle Financial/Manufacturing Systems
 - HR/PeopleSoft Servers and Other Enterprise Applications
 - E-Mail Systems
 - All Web enabled applications, timekeeping, expense vouchers, foreign travel, etc.
 - Remote Access
 - Network Services Computers (DCE, WINS, DNS, Kerberos, etc.)

Corporate Computer Services



- Engineering & Scientific Computing
- Customer Servers and Systems

Home Radio & TV Stations



- Contact local Radio & TV stations to determine what their operational status will be during the Y2K transition period