

**GRBLT**

No capabilities for continuous operation are available, although outages are not common.

**C.1.1.1 Duration of Ride-Through at Full Load****BLDR-1**

Not Applicable – Maintain operation during power outage

**BLDR-2**

Designed for graceful shutdown during a power outage lasting longer than 10 minutes, with CRAC units shutting down last.

**PRTN**

All of the batteries in GFDL's two UPSs, the 500-kVA UPS and the 225 kVA-UPS, are less than one year old. The UPS capacities are both at or near maximum (80%) capacity with the currently installed system and ride-through times are 15-minutes. (Note: The PDUs are also at full capacity.) The room air conditioning units and the chillers do not have generator or UPS support. If the power interruption is brief, Chillers #1 and 3 are likely to restart automatically. This recycling capability, combined with generator backup for the chilled water pumps, permits the facility to ride through brief power interruptions without the system going down. (The planned replacement for Chiller #4 will have automatic restart capability as well.)

**GRBLT**

None.

**C.1.1.2 Capabilities for Remote Facility Management**

The following describes any capability that allows the facility to be monitored and managed remotely.

**BLDR-1 & BLDR-2**

BLDR-1 has SCADA (Supervisory Control and Data Acquisition) coverage for environmental monitoring. BLDR-2 is projected to have SCADA coverage as well. CRAC units also have building automation tie-in for alarms. Both systems have dial-out capability.

**PRTN**

Currently the computer room does not have complete remote monitoring capabilities. Some such capabilities are being implemented in the Chilled Water Upgrade project, and others are being investigated for possible future implementation.

**GRBLT**

METASYS equipped environment controls are currently available.