Emergency Back-up Power

Systems targeted for emergency power when available

- Life safety systems (egress lighting, fire pumps, etc.)
- Elevators
- BSL3 systems
- Vivarium systems
- -80 Freezers
- -120 Freezers
- Incubators
- Environmental rooms
- Dewatering ejector pumps
- Security systems
- ITS systems (partial)
- Critical heating and cooling (partial)
Research Equipment Maintenance

Goals

• Protect your research; protect your investment
• Maximize equipment life and reliability
• Failure notification as soon as possible
• Identify back-up space; create freezer swing space
• Reduce risk and exposure

Tools

• Contact EHS for content disposal options; creates space
• Service contracts (Cryostar Industries, Novare Biologostics)
  
  *Identify PM visits, lock in emergency response time*
• Remote Alarm Monitoring
Remote Alarm Monitoring Options

**Choices**

- Status quo
  
  *How critical is the equipment? Contents? Is it worth the 2 AM phone call?*

- Alarm monitoring system with your service provider

- Local alarm system with call-out capabilities (VWR, etc.)

- Weill Cornell Eng. & Maint. building management system

**CRITICAL EQUIPMENT SHOULD HAVE A PLAN IN PLACE**
Engineering & Maintenance Alarm Monitoring

Pros

• Keep it simple … alarm comes in and call goes out
• Notification through a 24/7 security desk
• Need a voice … tough to sleep through a phone call
• Adjustable delays before alarm initiates (typ. 20 min.)
• Customizable call-out list … stops when a person picks-up

Cons

• Requires WCM building management system
  *not present in NYP space*
• Keep it simple …. limited bells and whistles
• Slightly more prone to human error
• Cost of $325/year plus actual installation expense
  *annual testing; list update; BMS service contract*
E&M Alarm Lab Equipment Alarm System

Alarm Cycle

Equipment Alarm

intranet

WMC BMS

Security Desk 24/7

Dept. Call Out List

Weill Cornell Medicine
Other E & M Resources

REMEMBER

- Emergency Back-up -80 Freezers (LBRC & BRB)
- Emergency Back-up Cold Room (WGC)

Engineering & Maintenance Dispatch

212-746-2288

24 hours 365 days
Interested? E&M Contacts

E&M Contacts for Lab Equipment Alarm Review

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Questions?