

**Weill Cornell
Medicine**

Laboratory Equipment Emergency Power and Alarms

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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 Biologistics)
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

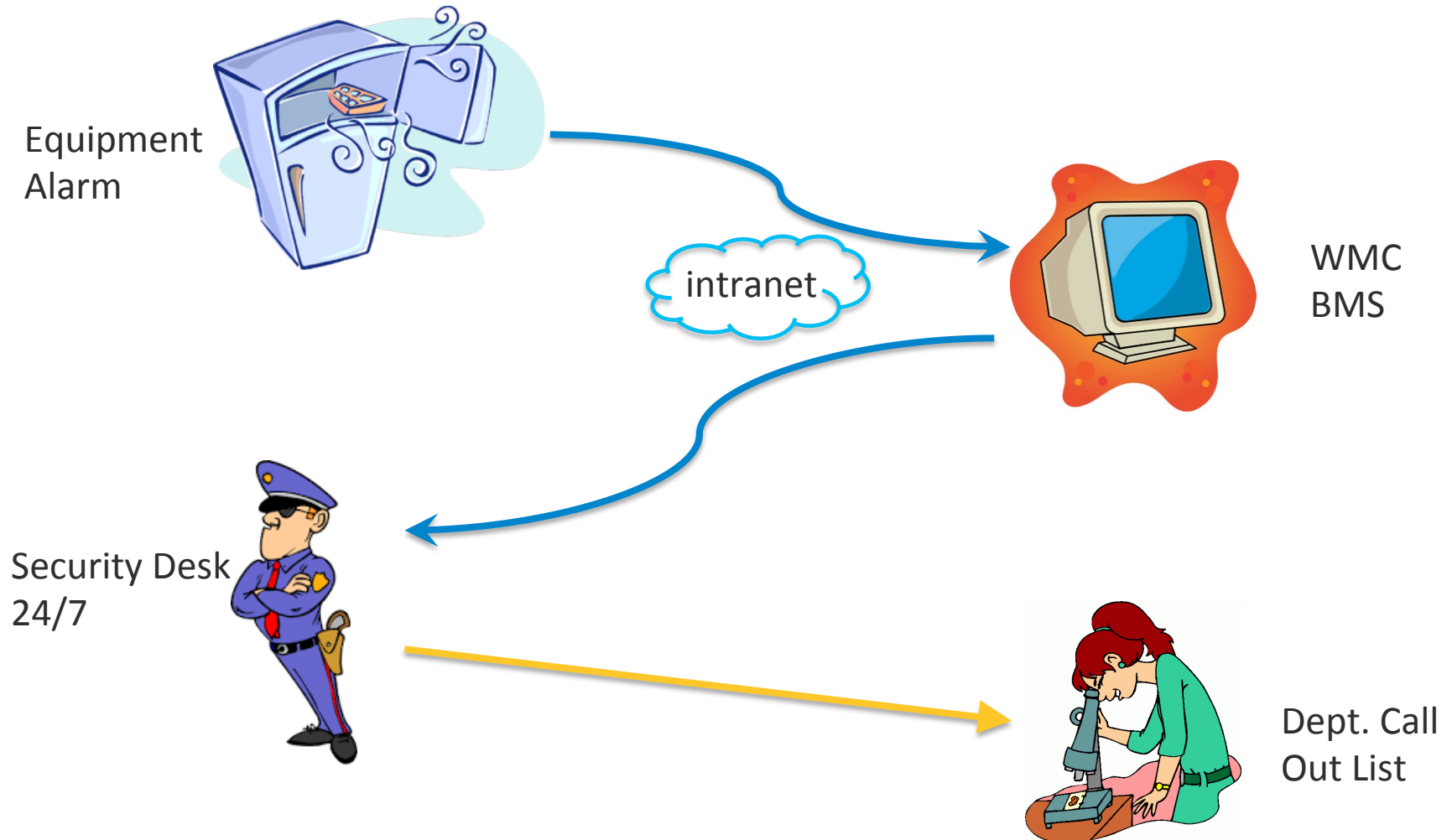
Cons

- 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



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?

