

# New Site Siren System

*CAC Meeting*

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# BNL's Alert and Notification Systems

- Site Sirens
  - Alerts those who are outdoors with two types of actions
    - Shelter in place
    - Evacuate
- Tone Alert Radios
  - Gives instructions to personnel indoors on what to do in the event of an emergency
- Everbridge Mass Notification System
  - A reverse 911 system that can call, text or e-mail

# What is The Site Siren System

- Used to alert those who are outdoors to either seek shelter or evacuate the BNL site
- The current system uses 2 signals to alert staff for specific actions
  - Steady sound for 5 minutes – **Shelter in Place**
  - Intermittent sound – **Evacuate the Site**
- Tested every Monday at noon
- May be heard off site

# Current Site Sirens

- Mechanical in nature
- Hard, if not impossible, to find replacement parts
- Only allows 2 sounds – Intermittent and steady
- Reliance on electrical power
- Hardwired activation

# New Site Siren System

- Electronic sounds
- Can be used as a Public Address System
- Has pre-installed voice commands
- Has additional sounds pre-installed
- Relies on marine batteries and uses solar power to re-charge the batteries
- Wireless
- Can be expanded with either new sirens or speaker systems (UVIC)

# New Site Siren System

- 4 siren locations
  - Near the light as you enter the BNL
  - In between NSLS and NSLS II
  - Near BGRR
  - The southern portion of the RHIC ring
- 2 remote Speakers (UVIC's)
  - National Weather Service
  - Sewage Treatment Plant

# What are the Benefits of Installing the New Site Siren System

- Wireless
  - No dependency on landlines
- Battery powered with solar recharging
  - Can still activate when power is out
- Notification flexibility
  - Can give voice commands
    - Verbal instructions during severe weather events
    - Guest and visitors can understand the actions required
    - Not limited to 2 actions

# Outreach

- Internal communications to BNL employees, guests, users and visitors
- External communication to educate the surrounding community, local governments, schools and companies doing business with BNL
  - Sirens may be heard off site



# Questions

