Title: Bob Wright Centre – Entire Building Power Outage

Location: Bob Wright Centre (BWC) – Entire Building

Description: Facilities Management, AME Consulting and Aral Construction Ltd. are working on upgrades to the HVAC and humidity controls system in the Bob Wright Centre to provide more control and efficiency to B-Wing floor 0.

A power outage is required to safely complete some electrical work for this project. For backup, there is a permanent emergency generator onsite, as well as a temporary emergency generator which will be installed in the loading bay to support critical equipment indicated by the administrative officers of the building.

All rooms or equipment not highlighted in the attached list and drawings will be affected by this power outage including building cooling, lighting, power, etc. within the building.

This shutdown will occur on a Saturday (12 hours) to reduce inconvenience to the building occupants.

Staff to clean out fridges (if possible) in the staff lounges before Friday.

Fire Alarm Masking and drain down is required for this scope of work.

The contractor will be working with UVic shops and/or departmental leads to ensure we properly shut down and start up all equipment.

We apologize for any inconvenience.

Time Frame: Friday, August 11, 2023 8:00am to Monday, August 14, 2023 at 11:00am (see following page for details)
Facilities Notice

Friday, August 11 - 8:00am - 5:00pm - Setup

8:00am – Setup the temporary emergency generator in the loading bay and be ready to utilize it for the power outage the following day

8:00am – 9:00 am – UVic shops to install AC units in B214 (QTY: 2), B320 (QTY:2) and B314a (QTY: 1) to cool these rooms as much as possible for the next day shutdown

9:00am – 10:00 am – Provide lights & timers to B-Wing Floor 0 occupants to plug in

10:00am – 11:00 am – Plug glove boxes on 3rd floor into emergency power. GC to provide extension cords, Chemistry lab lead to plug equipment into the extension cords. Any protocols to shutdown or startup the equipment must be completed by the lab leads.

Saturday, August 12 - 8:00am - 9:00pm - Shutdown

8:00am – 8:30am – Lab leads to plug in all equipment (Glovebox, Fridge & Freezers) on the 2nd floor into the temporary emergency generator provided by the GC. Any protocols to shutdown or startup the equipment must be completed by the lab leads.

8:30am – 8:30pm – Start shutdown (12 hours)

8:30pm – 9:00pm – Lab leads to unplug in all equipment on the 2nd floor from the temporary emergency generator. Lab leads to review their space and ensure all equipment is running and intended

Monday, August 14 - 8:00am - 11:00am - Decommission

10:00am – 11:00am – Unplug glove boxes on 3rd floor. GC to remove extension cords, Chemistry lab lead to unplug them and ensure the equipment is running as intended. Any protocols to shutdown or startup the equipment must be completed by the lab leads.

8:00am – 10:00am – GC to remove the temporary emergency generator

FMGT contact: Neel Chadda, Project Manager

Email address: neelchad@uvic.ca

Phone: 250-415-6982
Critical rooms & equipment provided by the building administrators:

Note: All equipment must be unplugged and plugged by the lab leads.

B-Wing Floor 0 occupants:
1. Water – Our RO system has to continue running - On emergency power.
2. Temperatures & Air pressure - On emergency power.
   - On normal power all four of the fans are running but on emergency power only two of those fans will be running and the air pressure will be reduced by half. As air pressure is reduced the ability to heat the space will also be reduced.
3. Lighting in Rooms B041, B037, B003, B005, B007, B015, B017 & the men’s and women’s change rooms will need lights as well (B048c & B43c) - Not on emergency power
   - GC to provide temporary lighting
   - For the change rooms the lights have two modes “high” and “low”; when no one is in the change room please turn it to “low” or the battery won’t last the outage
4. The transfer station in B041, the B2 BSC in B037 procedure room and one BSC in B017 - On emergency power
   - UVic shops to provide twist lock cords
5. Fridge/freezer in hallway - Not on emergency power
   - B-Wing floor 0 occupants to move to another fridge/freezer
6. Freezer in necropsy - Emergency power plug on the wall
   - Requires an extension cord by UVic shops
7. Telephones & The Watchdog system - On emergency power

SEOS:
1. B320 – this is a shared & dedicated room for fridges and freezers, including at least one -80C freezer. Please confirm that all fridge/freezer circuits in room B320 including the walk-in cold room - On emergency power
   - Fans will be provided by the GC and doors will remain open to reduce heat loads within the room to the extent possible during the outage
2. B314a – this room contains several incubators, fridges and freezers - On emergency power but 2 incubators
   - Confirmed that the incubators are not required for emergency power
   - Fans will be provided by the GC and doors will remain open to reduce heat loads within the room to the extent possible during the outage
3. B314 – Deep Freezer - Not on emergency power
   - Will be powered by emergency power receptacles in Room B320
4. A220 - I have been in contact with Ed Wiebe regarding the server room. - Not on emergency power
   - Ed will power down the servers prior to the power outage
5. There are a number of staff fridges and freezers in various locations in both A and B wing.  
   - *Not on emergency power*
   - If SEOS and any other department can provide a list of staff fridge/freezer rooms by August 3rd, 2023, Custodial can review them on Sunday

**Chemistry:**

1. B213A – there are two fridge/freezers up against the wall by the door to B211b that need to be plugged in - *On emergency power*
2. B317 – there are 4 gloveboxes that need to remain on power. - *Not on emergency power*
   - Room B317; 1 glove box
   - Room B317b; 3 glove boxes
     - The 4 glove boxes in Room B317b can be powered by emergency power receptacles in Room B320, via extension cords.
3. B210 – There are 2 fridge/freezers that contain a lot of temperature-sensitive samples and 1 glovebox in this lab. - *Not on emergency power*
   - GC retains a temporary generator and runs an extension cord to the room
4. B214 there are 4 items in this lab space that must have power. A -80 freezer, -20 freezer and fridge, and a cell incubator - *Not on emergency power*
   - GC retains a temporary generator and runs an extension cord to the room
   - Portable AC will be provided by the GC to reduce heat loads within the room to the extent possible during the outage
5. B216 – one fridge/freezer that will require at least a regularly cycled power plug in. - *Not on emergency power*
   - GC retains a temporary generator and runs an extension cord to the room
6. B214a – one fridge/freezer that will require at least a regularly cycled power plug in. - *Not on emergency power*
   - Room has receptacles fed from 5kW UPS located in room B213; GC to provide extension cable

**Additional Key notes:**

1. Lab Leads check fridges, freezers, gloveboxes after outage is completed
2. Roberta needs to know when the power will be offline from Aral so she can be onsite
3. Arthur detailed Floor 0 A-Wing Microscope is on UPS
4. When powering down the building, there is a small amount of time to start up the emergency generator
5. General Contractor to provide updates every 3 hours to key stakeholders in the SEOS, Animal Care and Chemistry department. If you would like to be added to this list, please email neelchad@uvic.ca.