



Event Day Action Plan – Electrical Demand Reduction Responses

The elevated risk of power disruptions on the regional grid requires Facilities & Services Utilities & Energy Services (UES) division to develop new, proactive operational strategies focused on “shedding load,” when necessary. These actions will strive to reduce energy consumption campuswide and limit the university’s overall electrical demand during these periods. UES is updating its centralized operational strategies designed to meet the university’s energy needs should those situations arise. As part of this initiative, UES is collaborating with academic and administrative units to help identify lower-priority facility areas and items that would be able to be immediately shut down without concern or detriment to research, educational, or engagement activities.

Event Day Action Plan Representatives

Step-by-step academic or administrative unit-level action plans will help reduce the demand for Abbott Power Plant electrical production if a controlled grid outage is enacted by the regional grid operator (MISO) and implemented by the local utility company (Ameren). Designated staff or faculty will be responsible for ensuring the reduction strategies are activated during outage periods to manage and safeguard unit operations and facilities. Please indicate as many representatives as appropriate and fill out separate plans for specific event lead time plans, if necessary.

Date	Notification Time	Event Lead Time (e.g., 2 days or 30 minutes)	
Primary Responsible Representative		Phone Number <small>(No spaces)</small>	Email
Primary Responsible Representative		Phone Number	Email
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Event Day Reduction Strategies

More information about Event Day Action Plan strategies are provided below and also on the [F&S website](#).

[illegible]

Sample Demand Reduction Strategies

Lighting (turn off or dim)

- ☐ When/wherever safe
- ☐ 1/4 to 1/3 of all lights
- ☐ Offices
- ☐ Hallways
- ☐ Bathrooms
- ☐ Conference rooms
- ☐ Task lamps
- ☐ Perimeter lighting (signage & outdoor)

Lighting Computers/Electronics (shut down or sleep)

- ☐ Monitors
- ☐ Printers
- ☐ Copy machines (leave one central machine on)
- ☐ Turn off ambient music and TVs

Miscellaneous Equipment (shut down or unplug)

- ☐ Coffee/teapots
- ☐ Microwaves
- ☐ Toaster ovens
- ☐ Desk heaters
- ☐ Radios/stereos
- ☐ Other small appliances
- ☐ Turn off non-essential equipment and power strips

Misc. Motors and Other Loads

- ☐ Cycle or shut down old motor generator elevators
- ☐ Exhaust fans (where applicable)
- ☐ Turn off all equipment not in use
- ☐ Delay dishwashing and laundry processes
- ☐ Shut off vending machines (with non-perishable items)
- ☐ Use on-site backup generators with emission permits
- ☐ Limit air compressor operation
- ☐ Evaluate charging equipment (like fork truck chargers)
- ☐ Shutdown/reduce air conditioning

General Items

- ☐ Shift production to non-event hours or reduce production
- ☐ Reduce process motors, conveyors, and pumping loads
- ☐ Pre-cool before event
- ☐ Charge equipment during non-event hours
- ☐ Schedule maintenance during event hours or meetings
- ☐ Cycle load and reset temperatures for air conditioning
- ☐ Reduce fan speed or reset duct pressure control
- ☐ Operate print facilities during off-peak hours
- ☐ Enlist stakeholders to turn off unused office equipment
- ☐ Turn off fountains and swimming pool pumps
- ☐ Reduce central plant chiller loading
- ☐ Reduce use of elevators and escalators
- ☐ Reduce air conditioning
- ☐ Shut down unused offices, classrooms, and conference rooms, etc.
- ☐ Reset thermostats to higher settings

Specialty & Research Equipment

- ☐ Put benchtop laboratory equipment on timers or turn off when not in use
- ☐ Drying ovens, incubators, vacuum pumps, growth chambers, and process equipment when needed
- ☐ Turn off ultra-low freezers, refrigerators, walk-in freezers, and coolers when not in use, reduce samples, and consolidate samples
- ☐ -80°C freezers may be fine at -70°C and some samples (DNA) are fine at room temperature or -20°C instead of -80/70°C.
- ☐ Close fume hoods, canopy hoods, autoclaves, and snorkels and move chemicals to chemical storage and shut off when not in use.
- ☐ Assess Microscopy, MRI, and any other specialty equipment that consumes energy