

## HVAC System Failure Plan (updated October 2024)

**Purpose:** The heating ventilation and air conditioning (HVAC) plan provides procedures that would be implemented after an HVAC failure. The HVAC system runs throughout main campus and provides heating and cooling to the campus. Depending on how the HVAC system fails there could be structural and financial challenges.

**Central Plant:** 3 plants that work together

**Gas Leak:** A crack in the pipe or gasket

- **Immediate:**
  - Isolate the problem
  - Shut down gas feed to the affected area
  - Contact dispatch
  - HVAC team and UVU Fire Marshal will decide whether the building will be evacuated.

**Pressure Loss (water):** A frozen coil, pipe connection separation

- **Immediate:**
  - Isolate the problem
  - Address the problem
  - Consider shut down isolation valves
  - Bring the pressure back up

**Electrical Issues:** When the central plant loses electricity, the University loses the ability to heat or cool campus. Campus can get by about 5 hours with the central plant off line.

- **Immediate:**
  - Team up with electricians to trouble shoot the problem
  - Consider outside contractors to assist
  - When the issue is fix restart the plant

**IT networking issue:** Could affect one or multiply buildings

- **Immediate:**
  - Trouble shoot the network to isolate the issue
  - Call IT operation management
  - Dispatch people to fix the problem

**Controller failure:** The mechanical systems don't operate properly

- **Immediate:**

- Find the faulty controller
- Replace with back up controller
  
- The failure of any one of these systems could be short-term and localized or failure could be long-term and broad. If failure in any one of these areas persists for greater than 30-40 minutes, the AVP of facilities will be notified. The AVP of facilities will then notify a decision-making group (those needed to decide regarding short- or long-term actions) to make decisions about closing an affected area up to and including campus closure.
- Communication to campus would be made as needed to guide actions to be taken and respond to the situation. Every effort will be made to communicate with the campus community about problems, responses, and protective actions to be taken.