**Zone 1**
- High density enclosure (HDE)
- 12 racks
- Heat contained within HDE
- Exterior room air is 72 degrees
- Interior (hot aisle) up to 90 degrees
- Battery power for 4 minute shutdown

**Zone 2**

**Monitoring / Instrumentation**
- Air temperature
- Water temperature
- Fan speed
- Humidity
- Power (quantity & quality)
- Machine status
- Network status

**Pump Room**
- Redundant heat exchangers and pumps; use cycled for even wear
- Pumps have back-up generators
- Pumping system also includes:
  - Chemical feeder to prevent inline algal growth
  - Expansion tank
  - Air separator unit

**CIC Garage**
- Pipes insulated and heat traced
- Pipe diameters upsized to support 4 minutes of operation in the event of a campus loop failure

**Campus Chilled Water Loop**
- Pipes insulated and heat traced
- Pipe diameters upsized to support 4 minutes of operation in the event of a campus loop failure