

Cooling and Boilers

- HVAC cooling towers are being shut down at night where possible. All towers are also being inspected and repaired as needed to minimize unnecessary water use.
- Formed team of engineers from local water utility and university's district cooling system to assess feasibility and system requirements for transfer to and use of treated wastewater from the utility in university's chiller plants.
- Cooling tower make-up valves are being checked to reduce leakage.
- Cooling water chemical treatment is being monitored to increase cycles of concentration.
- Boiler water blow down is being reduced to reduce loss and increase cycles.
- Developed procedure to cut off equipment cooling water in academic lab.
- Outside cooling towers for building air conditioning systems are being checked to ensure that they are operating properly and water losses are minimal.
- Upgrade and renovation of facility cooling towers.
- The blow down of boiler in the steam plant has been decreased, achieving a 97 percent return and thereby using less water.