2014 Highlights

• Produced 4,822,472 tons of chill water = 13.45% of total chilled water produced with the Water Side Economizers (WSE) at an annual savings of $134,975, this also saved $48,846 in reduced water consumption and chemical usage

• Generated 3,976,002 kWh with the plant Back Pressure Turbine Generator at an annual savings of $215,270

• Installation of 11 Variable Frequency Drives (VFD's) and establishing new guidelines for operation varying condenser water flow versus chiller tons utilizing VFD’s, overall electrical usage down 3,192,379 kWh 16% saving approx. $231,739 (both plants combined)

• Performed a major rebuild to the Deaerating Feed Tank (DFT), increased efficiency 3%, and saves $11,400 per month in energy consumption. Payback for the project was 22.5 weeks. (5.2 months)

• Saved the University $70,060 on the new switchgear room project by reclaiming an air handler from a university building being shut down.

• Implemented Utilivisor plant oversight project in February 2014; attained an annual energy savings of $20,200

• Implementation of cooling tower blowdown modifications and controls based on cooling tower makeup, blowdown, and tower usage on evaporation rates from chiller tonnages, to reduce water and chemical consumption

• Accident frequency rate below goal of (2), FY14 accident frequency rate of .46