

Water Project: 4002

Repair Steam Condensate System

Repair the Steam Condensate pipe system and chemical treatment/blow down control

Project Completion Date: December, 2007

Project Overview:

Repair the Steam Pipe System and chemical treatment / blow down control system

Pre-Project Considerations:

- Leaks in the steam pipes buried on campus have killed grass planted 5-6 feet over them
- Utilities on our 120 year old campus have become very complex and intertwined
- Campus operations had to continue smoothly while improvements are made and while the campus grew nearly 25% over the last decade

The Project Process:

- As utilities were exposed during repair and or relocation for new buildings, the opportunity to repair/replace exposed steam pipes were taken
- Pipes and other portions of the system which were believed to have the most issues were addressed as high priority items



PROJECT SNAPSHOT

Description: Steam Condensate System Repair

Plant Operations: Harold Cash

Finances (estimated):

Total Project Cost: \$4,000,000

Savings over 10 years: \$1,500,000
(water and energy)

Energy Savings over 10 years:
7 million KWH

Water Savings over 10 years:
136 million gallons

Payback: immediate on campus operations continuity and efficiency

Environmental Impact Reduction:

- Reduce energy use by 7,000 KWh/yr.
- Reduce CO2 by 7,495 tons over 10 years.
- Reduce water use by 13.6 million gallons/year.

For More Information Contact:

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