

Energy Conservation/Efficiency Projects Completed To Date

- A new chiller plant has been built with the most cost effective, efficient chillers available in the market for its operating condition and life cycle. This single project is reducing our electrical consumption by 1,006,800 Kwh per year.
- A new boiler has replaced two old, inefficient boilers in our heat plant. The new boiler is in the 80% plus range for efficiency and is already saving approximately 7300 decatherms of natural gas energy per year.
- Since 2006, energy efficiency projects have been completed that save over 2,505,000 Kwh of electricity annually (an annual reduction of 3,759,000 pounds of carbon dioxide). These projects include, but are not limited to:
 - Exterior parking lot lighting upgrades
 - Lind Lecture Hall lighting
 - Swenson building lighting and mechanical upgrades
 - Computer Center lighting
 - Recommissioning of the Student Services Center and the Browning Center
 - Some new high efficiency electric motors throughout campus
 - Stromberg Center lighting
 - New Dee Events Center scoreboard
 - New variable frequency drives in several HVAC systems throughout campus
 - High efficiency electrostatic filters have been installed in the HVAC systems in several campus buildings
 - Various small lighting and sensor upgrades throughout both campuses
 - Exterior walkway lighting upgrades
 - Total lighting upgrade in the Engineering Technology Building.
 - Total mechanical and lighting upgrade in the Training and Learning Center.
- Renovation of the Union Building has reduced our electrical demand by approximately 569,000 Kwh per year.
- Dee Events Center lighting upgrades resulted in reduced electrical consumption of 268,000 Kwh.
- Electric meters are now installed on each of our major buildings to better measure and control electrical consumption.
- In addition, several other projects have been completed to improve efficiency in use of natural resources. They include:
 - New cool roof on the Library
 - New cool roof on the Social Sciences Building
 - New cool roof on the Miller Administration Building
 - Several annexes have received insulation upgrades