

case study



Baylor University, Waco, Texas. Chartered in 1845 by the Republic of Texas, Baylor is the oldest institution of higher learning in the state and the largest Baptist University in the world. While remaining true to its heritage, Baylor has grown to more than 13,000 students with 90 buildings. The 432-acre campus is located on the banks of the Brazos River in Waco, Texas.

Honeywell

Baylor University

Type of Service

Energy Savings Performance Contract

Project Start

1998

Baylor University Profile

Chartered in 1845 by the Republic of Texas, Baylor is the oldest institution of higher learning in the state and the largest Baptist University in the world. While remaining true to its heritage, Baylor has grown to more than 13,000 students with 90 buildings. The 432-acre campus is located on the banks of the Brazos River in Waco, Texas.

Honeywell's Role

Honeywell acquired a company whose role encompassed the development, design and construction of a campus-wide energy savings project.

Project Scope

We implemented a massive upgrade of Baylor's central plant, chilled water system with over 4,500 tons of cooling capacity, steam distribution system and a campus-wide lighting retrofit. The University, with over 90 buildings, was able to make major improvements to their utility infrastructure and prepare the school for future expansion.

Energy Equipment Cooling

- Cooling tower replacement
- CHP turbine inlet air pre-cooler
- Air volume modification
- Air side economizer
- New 1,500-ton absorption chiller
- 2,000-ton and 1,000-ton electric chiller replacements
- Variable frequency drives added to chilled water pump motors

Steam & Hot Water

- New 70,000 lb/hr waste heat boiler with companion deaerator
- Heat recovery steam generator replacement
- Steam traps added to existing lines

Electrical & Controls

- Comprehensive campus-wide lighting retrofit upgrading 50,000 lighting fixtures
- Variable speed drives
- Time of day scheduling
- Energy management/control system expansion

Awards & Recognition

- 2000 Association of Energy Engineers (AEE) Energy Project of the Year



Baylor University Waco, Texas

Colleges & Universities

Sq. Ft. Served, 3.7 Million

Performance Contract

10 Years

Honeywell Building Solutions

Honeywell

1985 Douglas Drive North

Golden Valley, MN 55422-3992

1-800-345-6770, ext. 616

www.honeywell.com

SL-53-2024

August 2006

© 2006 Honeywell International Inc. All rights reserved.

Honeywell