Regency Center
ECO 24/7℠ Case Study

Energy, Commissioning and Optimization Services (completed in August 2004)
» Upgraded the pneumatic HVAC controls to DDC controls
» Commissioning and optimization of the HVAC system
» Optimized the AHU operation
» Implemented dynamic airflow reset in terminal boxes
» Implemented variable chilled water flow and optimized chilled water supply temperature reset
» Optimized the boiler operation

Benefits
» Utility savings from ECO 24/7 is $107,000 annually (based on four years of utility data since project completion)
» Improved system reliability
» Improved building comfort

Annual Energy Savings
» Reduced electricity consumption by 43.5%
» Reduced electricity demand by 28.4%
» Reduced natural gas consumption by 45.1%

Regency Center
Omaha, NE
» Built in 1970
» 5-story office building
» 71,000 square feet
» Single-pane glass windows
» One dual-duct VAV AHU
» Three air-cooled chillers
» Pneumatic controls

Electricity Consumption

Natural Gas Consumption

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