Alegent McAuley Center
ECO 24/7\textsuperscript{SM} Case Study

Energy, Commissioning and Optimization Services (completed in July 2011)
» Implemented ECO 24/7 Digi-RTU Optimizer technology on all three RTU/AHUs
» Implemented ECO 24/7 Fan Airflow Station technology on supply and relief fans of all three RTU/AHUs
» Implemented ECO 24/7 Pump Flow Station technology on hot water pumps
» Optimized RTU supply fan, relief fan, economizer, supply air temperature and operating schedules
» Implemented ECO 24/7 optimized terminal box operation and control

Benefits
» Utility savings from ECO 24/7 is $60,150 annually
» Electricity demand was reduced by 54.2 kW and resulted in an OPPD IEEP Incentive of $21,680
» Improved system reliability
» Reduced comfort complaints
» Improved indoor air quality

Annual Energy Savings
» Reduced total building energy consumption by 47\% (based on 12 months of utility data since project completion)
» Reduced electricity consumption by 16.4\%
» Reduced natural gas consumption by 65.9\%

Alegent McAuley Center
12809 West Dodge Rd., Omaha, NE
» Built in 1988, remodeled in 2008
» 3-story office building
» 95,000 square feet
» Two VAV RTUs with gas heat
» One VAV AHU with hot water preheat
» 152 single-duct VAV terminal boxes
» Modern DDC controls

![Electricity Consumption Chart](chart1)
![Natural Gas Consumption Chart](chart2)

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