

Plaza of the Americas ECO 24/7SM Case Study

Energy, Commissioning and Optimization Services (completed in February 2005)

- » Upgraded energy management controls and lighting systems
- » Upgraded AHU fan with ECO 24/7 Fan Airflow Station Technology
- » Commissioning and optimization of the HVAC system

Benefits

- » Utility savings from ECO 24/7 is \$67,700 annually (based on five years of utility data since project completion)

- » Improved system reliability
- » Reduced comfort complaints

Annual Energy Savings

- » Reduced electricity consumption by **28.2%**
- » Reduced electricity demand by **20.7%**
- » Reduced natural gas consumption by **35.8%**



Plaza of the Americas Building Omaha, NE

- » Built in 1974
- » 6-story office building
- » 136,552 square feet
- » 92 VAV terminal boxes
- » 1 water-cooled centrifugal chiller
- » 1 gas boiler and 1 cooling tower
- » Original pneumatic controls
- » 1 single-duct VAV AHU

