## Peter Kiewit Sons, Inc. ECO 24/7<sup>sm</sup> Case Study

#### Energy, Commissioning and Optimization Services (completed in September 2006)

- » Implemented ECO 24/7 Fan Airflow Stations for AHUs
- » Optimized controls for air handling units
- » Commissioned all terminal boxes
- » Implemented dynamic airflow reset in terminal boxes
- » Implemented ECO 24/7 Pump Flow Stations for chilled water and condenser pumps
- » Optimized primary, secondary and condenser water pump control

#### Benefits

- Reduced comfort complaints and maintained building comfort
- » Improved system reliability
- » Improved building
- pressure control
- » Improved indoor air quality

#### Annual Energy Savings

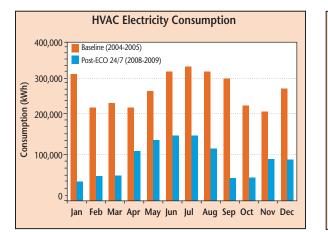
- » Reduced annual HVAC electricity consumption by 65%
- » Reduced electricity demand by 18.6%
- » Reduced natural gas consumption by 50%



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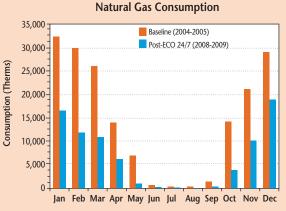
#### Kiewit Plaza, Omaha, NE

- » Built in 1960
- » 237,000 square feet
- » 16-story office building
- » Eight VAV AHUs
- » Two centrifugal chillers
- » Five boilers
- » Advanced EMS system
- » Modern HVAC system



ENERGY

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