

Continuous Commissioning (CC) Savings Report

Facility: Regency Center – 10250 Regency Circle, Omaha, NE



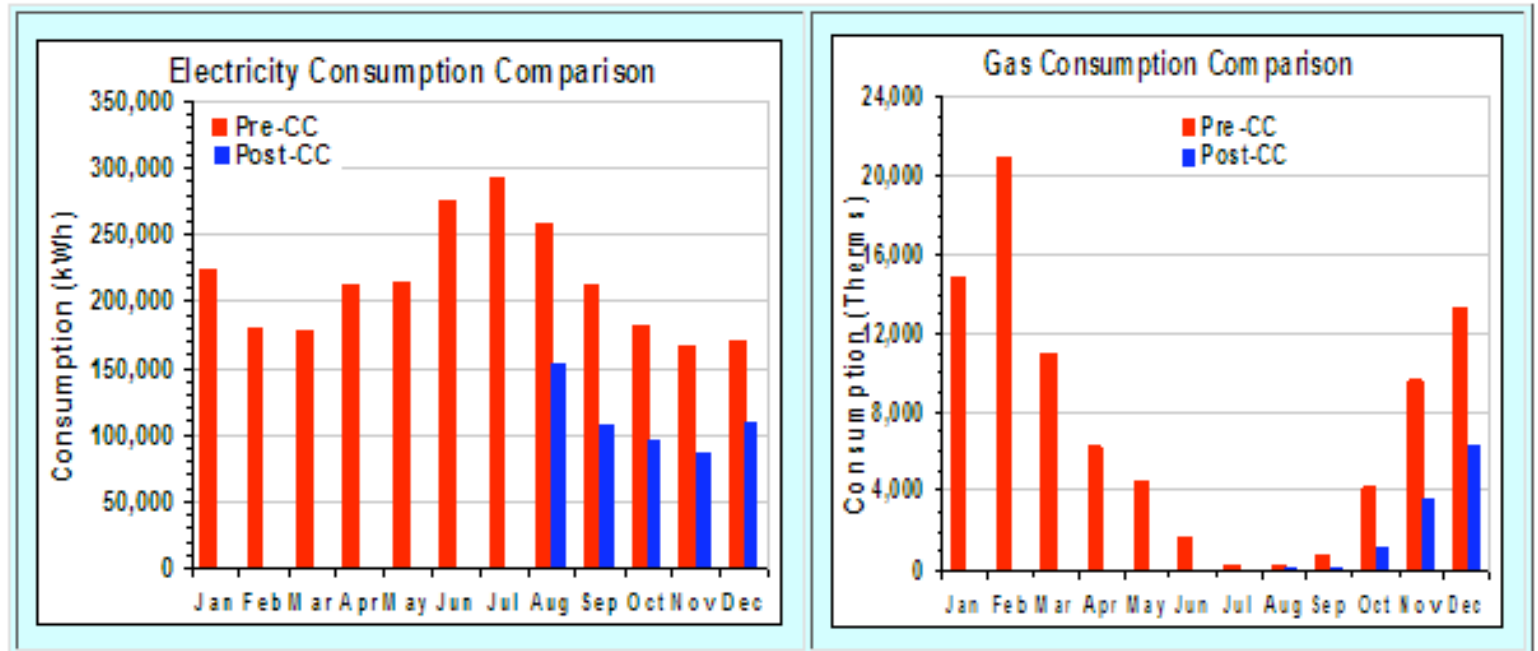
- Built in 1970
- 5-story office building with 71,000ft² and single pane glass windows
- One dual-duct VAV AHU
- Three air-cooled chillers
- Three boilers
- Pneumatic controls

Continuous Commissioning Services (completed in August, 2004)

- ↳ Upgraded the pneumatic HVAC controls to DDC controls
- ↳ Optimized control of AHU including static pressure reset, outside air control, and supply air temperature reset
- ↳ Implemented dynamic airflow reset in terminal boxes
- ↳ Implemented variable chilled water flow and optimized chilled water supply temperature reset
- ↳ Modified the boiler operation sequences
- ↳ Others

Benefits

- Reduced comfort complaints and improved system reliability
- Received complete DDC controls and remote web access
- Reduced electricity utility costs by 39.7% and gas utility costs by 80.6% based on the last five months of utility data since project completion (August, 2004)



The total cost savings of electricity and gas is \$37,800 during the first five months after CC Completion.