

Continuous Commissioning (CC) Savings Report

Facility: OPPD Energy Plaza East – 444 South 16th Street Mall, Omaha, NE



- Built in 1988
- 10-story office building with 232,037ft²
- Single duct VAV AHU with fan powered terminal boxes.
- Water-cooled chillers
- Electrical boilers
- DDC controls

Continuous Commissioning Services (CC project began implementation in October 2004, and is expected to be 100% complete by March 2005)

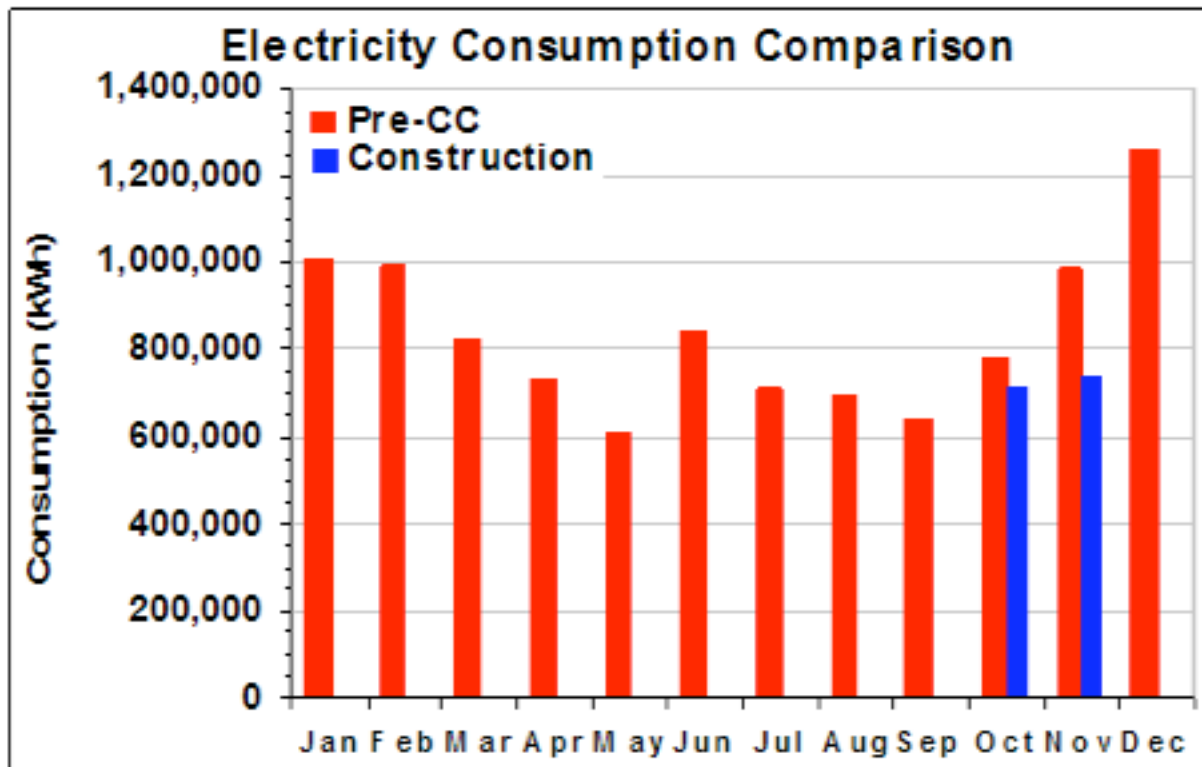
- Integrate and optimized control of AHUs, including static pressure reset, outside air control, and supply air temperature reset
- Implemented variable chilled water flow and optimized chilled water supply temperature reset
- Modified the boiler operation sequences
- Lighting retrofits

Benefits

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 - Reduced electricity consumption by 17.8% and electricity costs by 15.0%, based on the last two months of utility data since the onset of major CC construction (October 2004).
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The total cost savings of electricity is \$13,200 (@\$0.042/kWh) during the first two months after major CC implementation began*.

*CC related construction is still on going. Actual Post-CC savings may be greater.