

Case Study - Continuous Commissioning (CC®)

LEADING ENERGY SYSTEM UPGRADES

**FACILITY: TERRACE PLAZA
OMAHA, NEBRASKA**

Building Specs

- Built in 1972.
- 3-story rental office building
- 49,436 ft²
- A single-duct cooling only VAV AHU
- A 150 ton chiller
- 52 pneumatic boxes
- Perimeter radiator heating

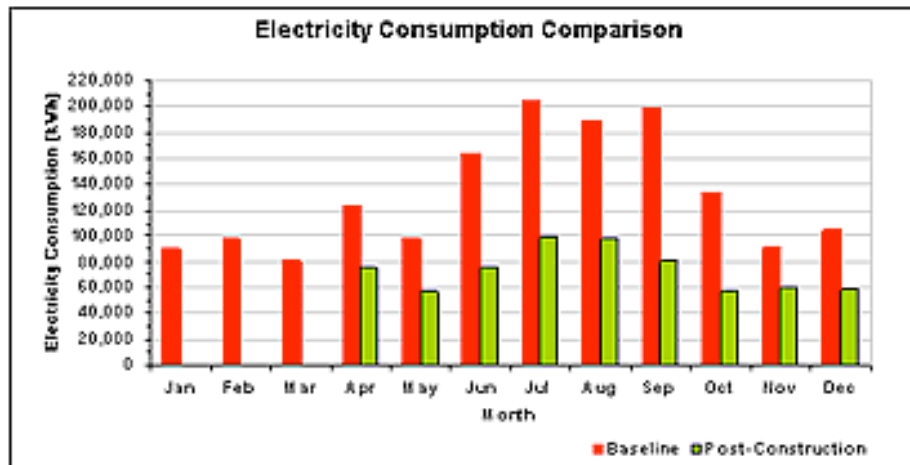


Implementations of Continuous Commissioning Leading Energy System Upgrades

1. Chiller Replacement
2. Upgrades of AHU, Temperature control, and Lighting systems
3. Continuous Commissioning HVAC systems

Benefits

1. Improved reliability of HVAC system operation
2. Improved building comfort
3. Reduce overall maintenance costs
4. Reduced energy consumption of 50% (over \$0.70/s.f per yr), based on nine months of utility data since project completion.



The case studies were performed by Energy Systems Laboratory at UNL and the Omaha Public Power District. The BEST staff were the key engineers.

Our Vision

To be the BEST at worldwide energy conservation, while being socially and economically responsible with ecology and the environment.