

Ceramics Building #0055

Building Gross Sq.Ft.: 54,016

Retrocommissioning Jan 2015—May 2015

Team Visit Period:

Principal Building Use: Classroom and Laboratory



Building & Occupant Overview

Ceramics Building was originally built in 1913 and is approximately 54,016 sq. ft. It holds several classrooms and laboratory space with fume hoods. Most of the building is served by window air conditioning units and perimeter radiation. There are two dx units – AHU2 serving the fourth floor offices and another AHU serving part of the third floor area. The AHU2 is oversized and the occupancy rate in the area is very low. There are no DDC controls in this building.

The facility's total metered energy during FY14 was 8,173 MMBTU.

Retrocommissioning Specifics & Results

An override switch is installed in the AHU2 space and the air handling unit is scheduled off and turns on only when the override switch is turned on. A programmable thermostat is installed in the third floor space to enable night set back. Occupancy sensors controlling lighting were installed in the break area and classroom 218. The control valves and steam traps for the perimeter radiation were inspected for proper operation and fixed. The summer-winter mode control for the perimeter radiation was repaired and reinstated to disable heating during summer. Unused fume hoods were shut down.

Project Highlights

- The control valves and steam trap for perimeter radiation has been fixed/replaced
- AHU2 is scheduled off and an override switch is installed to turn on cooling
- Occupancy sensor were installed in a break room area an classroom to control lights
- Summer-winter mode control repaired and reinstated to perimeter radiation to avoid heat in summer
- Unused fume hoods were shut off