

Eastern Michigan University

Ypsilanti, Michigan

Dining Commons Three

After performing energy audits on EMU's campus, 16 buildings were slated to undergo energy conservation renovations. One of those buildings was Dining Commons Three, which was in desperate need of a new boiler plant among other things. With the focus being on Dining Commons Three, the new boiler plant will also service, Hill, Hoyt and Pittman Residence Halls. Dining Commons Three was required to remain open during construction being that it is the primary dining facility comprised of numerous buffet lines serving the surrounding residences. The Commons is centrally located between Buell, Best, Downing, and Wise residence halls on the EMU campus.



Project Duration: 4 Months
Project Cost: \$8,100,000.00

Project Scope

Design Build -New Heating Plant

Design of new hot water heating system including the provision and installation of (4) four high efficiency condensing water boilers, variable volume, mixed air, DX system with VAV boxes that serve the kitchen, marketplace, lobby and offices. The project also required the demolition of existing steam lines and exchangers and existing ductwork. IPS then installed ductwork, piping, insulation, electrical and temperature control systems.

Design Build -New Air Distribution System

IPS provided a variable volume, mixed air, DX system and VAV boxes to serve the kitchen, market place, lobby and offices. IPS also demolished existing ductwork and old air handling unit and installed new ductwork, piping, insulation, electrical and temperature control systems.

Design Build -New Domestic Water Heating System

This phase of the project required IPS to demolish the existing steam domestic water heat exchanger system and to replace them with the installation of (2) two high efficiency condensing boilers along with other mechanical, electrical, insulation and controls.

Design Build -Kitchen Optimization

IPS provided and installed new gas fired kitchen equipment, gas piping required for the new equipment and new kitchen hood with self contained MUA/Exhaust system. Also installed on this project was the ductwork, piping, insulation, electrical and temperature controls system. IPS demolished all steam powered kitchen equipment and existing kitchen hood and repaired the ceiling area.

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