Cuyahoga Community College
District Administrative Services Building
Metropolitan Campus, Cleveland, OH

Building Owner: Cuyahoga Community College
Square footage: 45,819
Building Use Type: College/University Administrative Offices
Project Name: Tri-C District Building Energy Efficiency Retrofits
Built in: 1973

Project Partners:

Energy Services Company: The Brewer-Garrett Company
Project Start Date: Phased from 2003 to 2016
Completion Date: Most recent phase complete in 2016

Rationale for Project:

Cuyahoga Community College is committed to improving the energy efficiency of our facilities to save money and reduce the impacts of the College’s energy use on the environment. The State of Ohio required institutions of higher education to reduce energy use per square foot by 20% between 2004 and 2014, but also allowed these institutions to enter into performance contracts to achieve these savings. Cuyahoga Community College collaborated with The Brewer-Garrett Company to implement numerous energy conservation measures with savings guarantees. The District Office is one example of many energy efficiency improvements that have taken place across all Tri-C facilities.

Project Achievements (since 2003):
- 37% Reduction in energy use per square foot
- Over 10 million kWh saved in total
- 22,000 MCF of natural gas saved in total
- 11 million gallons of water saved in total

Project Highlights:

This project is an ongoing effort with Cleveland 2030 District Professional Partner The Brewer-Garrett Company. Brewer-Garrett first analyzed the Tri-C Admin building in 2003 with a plan for efficiency upgrades over time. To date this building has completed the following projects:
- Air handling unit replacements
- Boiler replacement
- Interior and exterior lighting retrofits
- Water conservation retrofits
- Demand control ventilation
- Building control system upgrades

Brewer-Garrett developed a roadmap for efficiency by conducting an investment-grade energy audit, and then prioritizing projects based on potential cost and energy savings. Going further, Brewer-Garrett guaranteed savings from the projects they recommended, making energy saving investments safe for Tri-C. Ongoing tracking of energy savings has allowed Tri-C to make additional investments over time, saving additional energy and money.