

## CASE STUDY:

# CCAC

Community College of Allegheny County—South Campus

## CAMPUS MODERNIZATION PROGRAM

Community College of Allegheny County modernized energy systems to save money and achieve ambitious sustainability goals, “demonstrating our resolve to be an environmentally conscientious institution and reduce our carbon footprint.”



### PROJECT SNAPSHOT

The Community College of Allegheny County (CCAC) selected TEN to help the South Campus modernize its facilities while achieving ambitious energy efficiency and sustainability goals.

TEN collaborated with campus leaders and stakeholders to develop a comprehensive project plan. Major project features included modernization of major HVAC systems on a compressed project timeline.

### CUSTOMER PROFILE

The Community College of Allegheny County provides affordable access to quality education, preparing the region’s residents for academic, professional, and personal success.

CCAC provides a supportive and transformative learning environment that prepares graduates to meet critical needs in the region’s workforce.



By actively working to reduce energy consumption, we are demonstrating our resolve to be an environmentally conscientious institution and reduce our carbon footprint. Not only does this help the college save on energy costs, it enables CCAC to use its resources to fund areas critical to student success, namely, to enhance student programming and services.

—Dr. Quintin Bullock is outspoken about CCAC’s dedication to energy efficiency and sustainability

### TECHNICAL COMPONENTS

- Campus-wide analysis of energy usage and sustainability opportunities
- Retro-commissioning of major mechanical systems
- Complete lighting upgrade
- Central plant modernization, upgrading boilers, chillers, pumps, and domestic hot water systems

### PROJECT RESULTS

**\$127,000+**

Annual operational savings

**\$269,000**

Guaranteed utility savings

### SUSTAINABILITY RESULTS

#### Annual savings of:

- 633,000 kWh Electricity
- 22,000 MCF Gas
- 2,100 Gallons Water
- 1,835 Tons projected annual CO<sub>2</sub> reductions



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