



## FULTON COUNTY

WAUSEON, OH



### SAFETY RECORD

Zero Recordable Events



### PROJECT SIZE

11 buildings 167,052 sq. ft.

\$1.2M



### PROJECT SCHEDULE

02/6/2018-01/29/2018



### CONTRACT METHOD

ESPC



### SAVINGS INFORMATION

\$2M in energy and operational savings



In order to improve the County's energy efficiency and infrastructure, Fulton County, Ohio, partnered with Energy Systems Group (ESG) to carry out improvements to 11 of its buildings. The scope of work for the Fulton County project included the installation of HVAC controls, rooftop unit (RTU) replacement, air handling unit (AHU) replacement, chiller replacement, boiler replacement, cooling tower replacement, and heat pump replacement.

### SOLUTION

Along with the below improvements ESG also helped the County institute a modern direct digital control (DDC) system customized to its needs and current facilities. The controls provide remote access and control of six facilities, including the County Engineer's facility, the Public Utilities facility, and the Robert Fulton facility.

The project scope included the following modifications:

- Controls Upgrades
  - Removed existing controls and provided new open protocol control systems
  - Provided retro-commissioning to bring systems up to maximum efficiency and operational status
- HVAC Replacements
  - Removed existing RTU and replaced with large RTU
  - Removed existing AHU and replaced with new AHU; also, provided necessary ductwork, electrical, piping, etc
  - Removed old boiler and installed new 1,000 MBtu high-efficiency boiler
  - Removed existing cooling towers and replaced with new cooling towers that matched existing sizing

### RESULTS

Fulton County has now achieved their goal of improving their energy efficiency and infrastructure through their partnership with ESG.

**This project will result in over \$7,000 in annual energy savings and over \$100,000 in operational savings.**