

Case Study Report

Company Profile

Pickaway County Commissioners



Working with Perfection has been a "win-win" for both parties."

- Glen D. Reeser

Pickaway County Board President

Methods Employed:

\$3,000,000 Energy Savings House Bill 295 Project to upgrade aging facility infrastructure.

Background:

Pickaway County had aging buildings with energy savings opportunities. Perfection performed an energy analysis and determined that a House Bill 295 project would be the best method for the County to make energy savings upgrades and pay for the savings over a 15 year period.

The list of 9 buildings included: Courthouse, Sheriff's Office, Board of Commissioners, County Annex, Service Center, Service Center Metal, Old Jail, Dog Shelter, Planning Office.

The commissioners were most interested in upgrading the Courthouse building to include new mechanical, electrical, and plumbing services. This is a very visible and high profile building for the County.

Solution and Results:

New lighting throughout all the buildings. New HVAC systems in the Courthouse, Sheriff's Office, and Service Center. New control systems in the Courthouse, Sheriff's Office, the Service Center, and programmable thermostats in all the other buildings. Major plumbing and electrical upgrades were made to the Courthouse.

Identify and implement energy savings program across all the County buildings that ideally would pay for itself in 15 years. Major upgrade work was required at the Courthouse building. The Sheriff's Office had the largest savings potential. The House Bill 295 process allows the County to bundle the short term savings measures (lighting and controls) with the longer term savings measures (new boilers, chillers, rooftop units).

PRODUCT IDENTIFICATION

Customer:

Pickaway County Commissioners

Location:

Circleville, OH

Contractor:

Perfection Group, Inc.

Business Need:

Multiple facility infrastructure issues

Solution/Results:

Upgrade the facilities

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to learn more about our Mechanical
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Old Roof Top Unit



New Roof Top Unit

Solution and Results:

Perfection's solution was a House Bill 295 project to upgrade the facilities and pay for itself over a 15 year period. The project was financed at 1.73% with assistance from the State of Ohio utilizing Recovery Zone Economic Development and Air Quality Bond Allocations.

The energy and operational savings are projected at over \$156,000 per year. This energy project has a projected environmental impact by reducing the following: Carbon Dioxide (CO₂) reduced by 9.54 metric tons, Sulfur Dioxide (SO₂) reduced by 2.23 metric tons, and Nitrogen Oxides (NO_x) reduced by 0.82 metric tons. In addition, Perfection secured AEP utility rebate amounts over \$50,000.



Old Boiler



New Boilers



Old Condensers



New Chiller

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