

Success Stories



Project Details:

Location:

2266 S. Sixth Street
Coshocton, OH 43812

Project Contact:

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Technologies:

Regenerative burners

Funding Source:

American Recovery and Reinvestment Act –
State Energy Program

Incentives:

\$515,844

Total Project Costs:

\$1,564,500

Energy Impacts:

- Reduced energy usage by more than 53,000 MMBTUs annually
- Reduced natural gas consumption by 30 percent

Economic Impacts:

- \$361,300 cost savings per year
- Jobs created or retained: 13.5 FTE's*

Environmental Impacts:

- Reduced CO₂ emissions by more than 5.8 million pounds per year, which is equivalent to taking 520 cars off the road.

*Job creation numbers are based on direct jobs created or retained using Full-Time Equivalent (FTE) hours.

Clow Water Systems



Background:

Clow was founded in Chicago, Illinois in 1878 as a plumbing supply distributor. In 1910, J.B. Clow opened a foundry in Coshocton, Ohio and that facility is still in operation today as Clow Water Systems. The company is recognized as a leader in the production of ductile iron water pipe and was the first to manufacture centrifugal cast pipe in the United States. Clow Water Systems employs more than 500 people.

Challenge:

Clow Water Systems is committed to adopting energy efficient measures and reducing greenhouse gases. These practices also help reduce overall cost and allow the company to remain competitive.

Solution:

The objective was to improve the fuel efficiency, and reduce greenhouse gases of the annealing oven and provide better oven control to improve product quality. The cornerstone of the energy improvement was installation of four sets of regenerative burners in the high heat zone of the oven. These burners utilize a unique system to preheat combustion air, reducing fuel requirements by up to 30 percent. Clow Water Systems is the first pipe plant in the world to utilize these burners for annealing pipe.

"Projects such as this help Clow remain an industry leader and remain competitive in the global market. In addition to making our facility more competitive and environmentally-friendly, a project like this complements the energy efficiency offered by our product. Ductile iron pipe is recyclable and offers lower pumping cost and longer life than other materials."

- Richard Loth, Energy Manager



Development
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