

Roquette America

Success Story



Customer

Roquette America

Projects

- Engineering study
- Waste heat recovery project
- Steam trap replacements
- Pipe insulation
- Make-up air efficiency upgrade
- Stack economizer

Project results

25 completed projects

Energy savings

1,111,699 therms

Rebate amount

\$1,271,687

Customer background

For 75 years, Roquette has led global production of starch, starch derivatives and polyols. Roquette America–Gurnee is one of two facilities producing sorbitol, a naturally derived substance used as a sweetener and compression agent in sugar-free confectionery, including gum and tablets.

“We are already making way for our next energy-saving project with the team. Our next project is almost double in capital expense, and it only took me 15 minutes to get funding approval from corporate, thanks to the North Shore Gas Energy Efficiency Program team.”

— **Steve Calewarts,**
Plant Manager, Roquette

Project description

For the past six years, Roquette America–Corporate has required regional staff to form energy teams to support sustainability efforts and reduce energy costs. Roquette America–Gurnee partnered with the North Shore Gas Energy Efficiency Program team to identify and implement projects using available rebates to improve payback periods on previously denied projects.

Projects included steam trap replacements, steam pipe insulation, insulating valves and fittings, installing a waste heat recovery system and optimizing air handling systems. Through a request-for-proposal initiative, the program team helped reduce project payback periods from five to two years by preparing applications, verifying energy savings and submitting projects for rebate approval.

Impact

Roquette America successfully implemented 25 energy efficiency projects that significantly reduced natural gas consumption and improved operational performance throughout the Gurnee facility. By combining strategic equipment upgrades with system optimization measures, the company was able to advance long-term sustainability goals while reducing operating costs.

The completed projects — including waste heat recovery, make-up air efficiency upgrades, stack economizer installation, steam trap replacements, and pipe insulation improvements — now generate annual savings of more than 1.1 million therms and over \$1.27 million in total savings.

With support from the North Shore Gas Energy Efficiency Program team, Roquette was able to secure funding and move forward with major energy-saving initiatives that had previously been delayed due to capital planning and payback requirements. The success of these projects continues to support the facility's broader commitment to energy management and operational efficiency.

The North Shore Gas Energy Efficiency Program team is available to help you capture similar savings. Call 855-849-8928 today to schedule a facility assessment with one of our energy experts.



**Talk to an Energy Efficiency
Expert at 855-849-8928.**

Terms and conditions apply. Program is subject to change.
Actual savings will vary by customer's energy usage and rate.
This program is funded by North Shore Gas customers in compliance with state law.
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