



CASE STUDY

Tate & Lyle

PROJECT AT A GLANCE

240,000

Total CCF Savings per Year

\$160,000

Estimated Savings per Year

\$115,914

Rebates Paid

Instant

(For incremental cost of the project)

Payback Period in Years

THE OPPORTUNITY

Tate & Lyle, a global provider of specialized ingredients to the food and beverage industries, wanted to reduce energy use in their Van Buren, Arkansas facility. In order to begin work on cost-saving upgrades to their steam system, directors at the company signed up for a no-cost energy assessment through the Arkansas Oklahoma Gas Company Commercial & Industrial Solutions Program.



THE PROJECT

During the assessment, the team decided to upgrade an old, poorly insulated 30,000 lb/hr steam water tube boiler to a new, fully insulated 900 HP steam fire tube boiler, which was then retrofitted with an economizer to recover wasted heat. The new boiler serves multiple processes, which include continuous reactors, flash dryers, a distillation column, batch reactors, a desolventizer, as well as space heating.

THE RESULTS

As a result of the project, Tate & Lyle will reduce their energy consumption by over 240,000 CCFs annually, which will yield energy cost savings of approximately more than \$160,000 per year. Incentives offered by AOG offset the initial cost of the upgrades by \$115,914. Both parties are very proud of the work; the energy and monetary savings speak for themselves.