



CASE STUDY

AAF FLANDERS INTERNATIONAL

High-Volume Ceiling Fans

The Opportunity

AAF Flanders is the world's largest manufacturer of air filtration solutions designed to remove and control airborne particles and contaminants in various indoor environments. The manufacturing and shipping site in Ardmore partnered with Oklahoma Natural Gas to make some energy-efficient upgrades to the facility. AAF Flanders enrolled in the Oklahoma Natural Gas Commercial and Industrial Program, which provides technical and financial support to help commercial customers identify and implement projects that reduce natural gas usage.

The AAF Flanders plant has natural gas heating units installed high above the work floor. The plant manager was concerned the heat was not being felt by the employees. Together with Oklahoma Natural Gas, the company investigated the most cost-effective and innovative options to make the work floor more comfortable.

The Results

Thanks to the Oklahoma Natural Gas Commercial and Industrial Program, AAF Flanders was able to install four destratification fans, which work to evenly distribute conditioned air throughout a space. In heating conditions, destratification fans redirect warm air back to floor level to reduce heating loads. The three 23' and one 20' high-volume ceiling fans are projected to

PROJECT AT A GLANCE

10,752	Annual therm savings
\$10,214	Incentives paid
\$7,097	Estimated annual savings
3.5 years	Payback period (100% of project cost covered)

save 10,752 CCF annually in natural gas, which will save AAF Flanders about \$7,097 in yearly energy costs. In addition, saving this amount of natural gas is equivalent to eliminating the CO₂ emissions from 6,415 gallons of gasoline into the environment, according to Environmental Protection Agency calculations.

Oklahoma Natural Gas and AAF Flanders were able to make the shipping and receiving areas of the facility more comfortable for employees, while reducing energy use and the carbon footprint of the manufacturing site. The reduction in energy costs is helping AAF Flanders operate more efficiently than ever. The investment in the new equipment will benefit the employees on the work floor, and the company's bottom line, for years to come.

To learn more about how the Commercial and Industrial Program can help your company save energy, visit oklahomanaturalgas.com/rebate-programs/commercial.

