

CASE SUMMARY

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Cargill

CARGILL, INC.

Eddyville, Iowa (Monroe County)

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The Company

Cargill, Inc. is a privately held international company with over 80,000 employees. Cargill Corn Milling in Eddyville is a wet corn milling facility that produces high fructose corn syrup, ethanol, corn oil, citric acid, and other byproducts, such as gluten feed and meal, from the corn milling process.

Project Background

Cargill, Eddyville, is ISO (International Organization of Standardization) 9000 certified and is implementing an Environmental Management System (EMS). Resource conservation, waste minimization, and pollution prevention are elements of the EMS policies.

Incentives to Change

Cargill's Corporate Office issued a mandate to all Cargill facilities to reduce overall energy consumption by 10 percent in the next fiscal year. To facilitate change, Cargill Eddyville has an Energy Taskforce, whose mission is to identify and implement energy saving strategies or procedures.

Results

Initially, an Environmental Scorecard was created for the facility, tracking and compiling data from multiple areas such as water usage, electricity and power usage, and disposal quantities for the most significant waste streams. A trend analysis was performed for the last three years to identify problem areas.

One project involved a lighting audit of the facility, resulting in energy savings of 162,000 kWh/year. There is the potential for almost a 25% energy reduction based on current lighting energy levels. In another project, improving employee participation in the recycling program will prevent over 70 tons of waste.

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Project Summary Table

P2/Waste Reduction Option	Waste Reduced	Raw Materials Saved	Status
Lighting Audit	—	162,000 kWh/yr	Implemented
Recycling Program	70+ waste tons/year	—	Implementation in Progress
Waste Stream Placement	Up to 24,000 wet tons/year	—	Implementation in Progress
Gypsum Waste Stream	Up to 3,500 tons/year	—	Pursuing

All of these changes will produce both environmental and economic benefits for the facility, and are being achieved with little or no capital cost investment.