

Smallgoods Food Company cuts costs and energy use with Ecosave

Motivated by rising energy costs as well as its environmental footprint, Ecosave was engaged by a dominant smallgoods food manufacturing to implement energy efficiency upgrades at a site which is operational 24 hours a day and consumes energy in a variety of ways.

Recognizing that environmental performance would underpin the company's continued growth and expansion, it undertook an extensive range of energy conservation measures uncovered, designed and implemented by Ecosave. These measures included:

- Rendering plant upgrade and Waste Heat Recovery
- Upgraded heating, cooling and ventilation systems
- An upgraded and fully integrated building controls system
- Refrigeration plant upgrade and optimization, including controls
- Stick water optimization and flash steam recovery
- Boiler upgrades
- Re-commissioning of hot water system's control strategies
- Voltage power optimization
- Power factor correction
- Lighting conversion to LED technology and Lighting controls

The successful implementation of these energy conservations measures has delivered multiple dividends and benefits to the client, including:

- Increased operational reliability
- Improved freezer performance
- Reduced operational and maintenance costs

Ecosave was also able to identify and secure utility and government grants for the client based on the scale and scope of these energy efficiency projects.

The overall results of these initiatives were such a success on every level: environmentally, financially, and practically (upgraded systems and equipment, improved production process, employee awareness) that the client selected Ecosave to implement additional sites.



SUMMARY OF RESULTS

Annual savings
\$1.4M

Total investment
\$3.7M

Return on investment
38%

Payback period
2.7 Years

CO2 savings per year
6,827 tons