

CASE STUDY: ENERGY MANAGEMENT PROGRAM—Food Facility

PROGRAM TYPE: Energy Price & Use Reduction, Sustainability Improvement

PROGRAM FINANCIALS

- Total Investment: \$120,000
- Annual Energy Savings: \$1,960,000
- CO2 Equivalent Reduction: 1,661 tCO₂e Reduced

FROZEN FOOD PROCESSING COMPANY with Ten Geographically Dispersed Plants Reduces Annual Energy Costs by 15% and Saves \$1.96 Million Annually

Facility and Systems Description

- Food Processing client with 10 plants geographically dispersed across the country.
- Plants cook, process, and produce frozen foods spending over \$6 Million per year.

Savings Opportunities and Issues

- Client lacked the internal resources to effectively manage 3rd party electric and gas supply and hedge risk management.
- Client's decentralized operations lacked invoice scrutiny, consolidated data acquisition and reporting, energy production indexes, regular reporting, tracking carbon emissions, and strategic planning.

Business Strategy

- Solution Dynamics worked with the company to identify and provide a full-service energy management solution,
- Provide a centralized approach to data acquisition,
- Perform a fundamental energy health check of all the facilities, including an on-site facility assessment of energy usage reduction opportunities,
- Construct supply management and hedge/risk management models,
- Perform carbon footprint and carbon data monitoring,
- Formulate a 3-year strategic plan,
- Provide client with a monthly management report.

Key Program Identified Savings Areas

- Gas supply management, hedging and risk management that saved \$800,000 annually.
- A carbon reduction program, monitoring, reporting, and communication program.
- Identified 34 energy usage reduction projects that will save \$1.5 Million per year.

Summary of Key Program Savings Areas

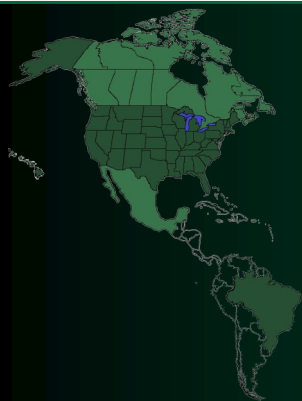
Supply Management	<ul style="list-style-type: none"> • Gas Supply Savings • Electric Supply Savings • Gas Hedging Budgets and Management
Energy Usage Reduction	<ul style="list-style-type: none"> • 34 Energy Usage Reduction Projects • \$1.5 Million Annual Savings • Projects CO₂ Reduction
Sustainability	<ul style="list-style-type: none"> • Filed Initial Carbon Disclosure Projects (CDP) • Established Carbon Reduction Goal and Budget • Improved Customer Relationship with IPP Score Improvement
Strategic Plan	<ul style="list-style-type: none"> • Developed Energy Strategies • Developed Energy Best Practices • Created 3-Year Capital Budget

Financial Data

Investment	\$120,000 (\$6,225/month for 24-months)
Annual Energy Savings	\$1,960,000
CO2 Equivalent Reduction	1,661 tCO ₂ e Reduced



Achieve energy/sustainability goals & increase profit - Guaranteed



Solution Dynamics is a team of certified energy experts committed to improving the environment by implementing sustainable solutions that reduce use of precious natural resources.

We serve clients in commercial and industrial sectors who are seriously committed to reducing their energy consumption, cost, and environmental impact.

Guaranteed results are delivered on a risk-free basis. For additional case studies, or to schedule a free, no-obligation consultation, contact us at 888-435-9226.

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