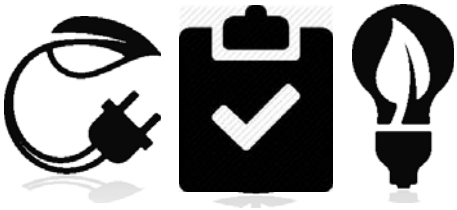
Small Investment, **Big Long-Term Cost Savings**



Learn Why an **Energy Audit** *is Key to Uncovering Hidden Cost Savings in Your Facility*

Due to resource-intensive processes, which have only grown in recent years with the trend to replace manual labor with automation, energy forms a significant percentage of cost of goods sold for food and beverage companies.

While manufacturers realize that gas-, electricity- and water-related costs contribute significantly to overall operating expenses, too often efficiency initiatives are thwarted by an inability to accurately assess energy usage. Without a way to measure consumption on an individual process and equipment level, there is no way to manage it, or justify funding for capital improvement projects.

An energy audit is the first necessary step to quantify usage, identify savings opportunities and assess payback periods.

Who should consider an Energy Audit?

- Any food and beverage processor who uses electric ity, natural gas and water and hasn't assessed energy usage in the past two years
- Companies that don't have internal resources dedicated to monitoring energy
- Operations with equipment and infrastructure 5 years or older
- Facilities that are capacity constrained or in the process of assessing whether to add or upsize utilities
- Manufacturers looking to optimize existing resources

What does an Energy Audit do?

- Analyzes existing facility operations individually and holistically
- Sets key performance indicators for each utility system
- Establishes an energy base line
- Identifies energy saving opportunities
- Develops an estimate of probable costs
- Quantifies a payback analysis (including any applicable rebates)
- Assesses the feasibility of energy saving opportunities, ranked by order of magnitude and ease of implementation
- Provides an actionable plan for implementiation

Common Energy Saving Opportunities

- ***Lighting*** – Small changes to the lighting in your facility can yield quick savings, often with a payback period of less than a year.
- ***Compressed Air*** – This is one of the most inefficient energy users in a facility, with over 90% of energy input lost as waste heat. Blowoff, leaks, and compressor staging can increase system inefficiency.
- ***Waste Heat Reuse*** – Numerous processes in each facility produce heat and use heat, yet potential waste heat reuse opportunities are often overlooked.
- ***Pumps and Motors*** – Improper sizing can be a hidden culprit of unnecessary energy expenditure

Benefits of an Energy Audit

- Identifies cost savings as well as areas for operational efficiency gains or capacity gains
- Quantifies potential savings and costs so management can make informed capital decisions about energy-reduction initiatives
- Helps avoid unnecessary capital investments in utility upgrades by finding savings/ reduction opportunities that eliminate the need for additional capacity
- Creates actionable items that improve a company's bottom-line, reducing energy consumption and overall carbon emissions

Do you want to start reaping the Financial and Operational benefits of Energy Reduction in 2017?

Contact an
Energy Efficiency Expert
at 413.787.1785
info@dennisgrp.com

THE DENNIS GROUP, LLC

The Dennis Group brings best practices from more than 30 years of working exclusively in the food and beverage industry to our energy audit analysis.