



Efficient Energy Management

Energy prices have risen and there is increased pressure to maintain competitive pricing on consumer products. In addition, since energy usage is directly proportional to Greenhouse Gas (GHG) emissions, this will likely result in an increased regulatory burden for industry as governments weigh carbon footprint issues. One effective method to reduce operating expense, remain competitive, and meet regulatory requirements is through better energy management. While the control of the supply-side of energy management is difficult (outside of contract negotiated pricing), we can control the demand-side of the equation by using data to define, measure, analyze, and improve energy intensive processes.

BB&E's engineers and professionals have experience in demand-side energy management and can help your organization identify opportunities to reduce your operating cost and carbon footprint through the use of techniques such as:

- Energy auditing;
- Training;
- Demand control;
- Energy measurement;
- Optimizing shutdown, compressed air, HVAC, and lighting processes; and
- Heat recovery

BB&E staff can analyze your entire facility or specific operation and provide a data driven feasibility report that includes a return on investment (ROI) period for each proposed alternative such that you have the information required to make the necessary decisions for your organization.

New GHG regulatory requirements will likely make data collection and reporting mandatory regardless of your financial standing. So, it is critical that any energy management system must be able to provide reliable measurement on which to base improvement changes. BB&E can customize an Energy Management Program for your operation(s) and budget and can leverage an existing environmental management system (EMS) such as ISO 14001, to minimize development and implementation cost.

Besides reducing your operating expenses, having an Energy Management Program will enable an organization to meet and work within new GHG regulatory requirements and is a key component of any organization's sustainability program. Also, by rolling an Energy Management Program into an EMS, you can achieve a 3rd-party audited EMS that includes your energy management and any correlating GHG reduction goals.

Your customer's may be also be considering or already require a GHG emissions inventory and reduction program in their purchasing terms and conditions. If this is the case, having an Energy Management Program can help your organization quantify GHG emissions, meet customer expectations, and give you a competitive advantage.

Whether you need a complete Energy Management Program or wish to analyze a specific process in your operation, BB&E's Staff of engineers and professionals have the experience to advise your organization to achieve the results you need.