

Energy Audits



Do you want “a” solution? Or do you want the “best” solution for you?



Having an energy audit performed by certified Energy Efficiency Consultants and Professional Engineers ensures that you receive the energy saving solution that best fits your needs. Energy efficiency systems are not “one size fits all”.

Unfortunately, many lighting sales companies are in the business of just making the sale. The Wasmer Company certified Energy Efficiency Consultants are not focused on “making the sale”, they are highly trained to assess your needs and create the best most efficient solution that fits your specific needs.

What does the right system mean to you? How about a 30% + savings in your energy bill? Every year, the United States spends about \$200 billion to power commercial buildings. Yet, more than 30 percent of that energy could be saved with more efficient technologies and better building maintenance.

The Process

Professional Energy Audit

A certified Professional Energy Auditor conducts thorough analysis of your facility, including:

- Electrical system
- Lighting controls
- Compressed air
- Analysis of electrical loads
- Power Monitoring

Education – Hidden Problems, Reducing Costs, Simple Solutions

The certified Energy Efficiency Consultant works with clients to gain an understanding of how they can maximize their savings, while reducing risk.

- Potential energy and / or lighting hazards in the workplace
- Effect of hazards on employee performance, retention and morale
- Hidden dangers in your facility's maintenance
- Triple bottom line investing
- Offsetting costs of threats to your business



- ✓ Within 15 years, experts project that commercial electricity prices will jump by 33%.
- ✓ By 2040, costs will have risen 80%, jumping from 9.80 per kwh to 17.87 per kwh.
- ✓ These costs will be particularly high for companies that have failed to take advantage of energy efficiency solutions.

Source: Annual Energy Outlook 2013, U. S. Energy Information Administration, 2013

Tax breaks and Incentives

The professional auditor will advise you of any potential tax breaks or other incentives that reduce investment costs.

Your Optimal Solution

You will be provided with an analysis of your savings options along with a recommendation of the most efficient and productive solution for your business.

Experts recommend thorough and detailed audit process, including:

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| <ul style="list-style-type: none">• Audit Criteria• Audit Scope• Selection of Audit Team• Audit Plan• Checklist Preparation• Initial Walk-through• Collection of energy bills and available data• Preliminary analysis• Data inventory and measurements | <ul style="list-style-type: none">• Analyzing energy use patterns• Benchmarking and comparative analysis• Identifying energy efficiency potentials• Cost-benefits analysis• Writing audit report with recommendations• Preparing action plan for implementation• Implementing the action plan• Marketing energy saving efforts to the public |
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Source: *Industrial Energy Audit Guidebook: Guidelines for Conducting an Energy Audit in Industrial Facilities*, Ali Hasanbeigi and Lynn Price, 2010



Energy audits are recommended as "best practice" by multiple experts, including:

- ✓ MIT Sloan
- ✓ Energy Efficiency Policy of the U.S.
- ✓ National Association of Manufacturers

Sources: Energy Efficiency Policy in the United States: MIT Sloan Management Review and The Boston Consulting Group, 2013; National Association of Manufacturers
<http://www.nam.org/Issues/Official-Policy-Positions/Energy-and-Resources-Policy/Energy-and-Natural-Resources.aspx>

The Wasmer Company will send a professional energy auditor to your facility to do a detailed walk through analysis observing the electrical system, compressed air, and possibilities for Power Monitoring to receive tax breaks, and incentives. While observing the lighting, our professional will educate you on the possibilities for more energy efficient lights, and what type of lighting would be appropriate for the situation, fluorescent, LED or other. In this energy audit we will also inform you on the possibilities for lighting controls to optimize your savings.

Our professional auditor will also look at other electrical loads, and the possibilities for savings through running loads at off peak hours, or Power Monitoring production loads to receive tax breaks. We will also look at the compressed air system on our energy audit, and determine how to best optimize your compressed air system. Our energy auditor will then look at the utility bills for the facility to make sure there were no mistakes in the monthly calculations. We can also discuss peak shaving measures to reduce the peak demand. From that point, we are able to evaluate all the energy saving measures available, and determine how The Wasmer Company can best help you meet your needs, and run a more efficient facility.

