

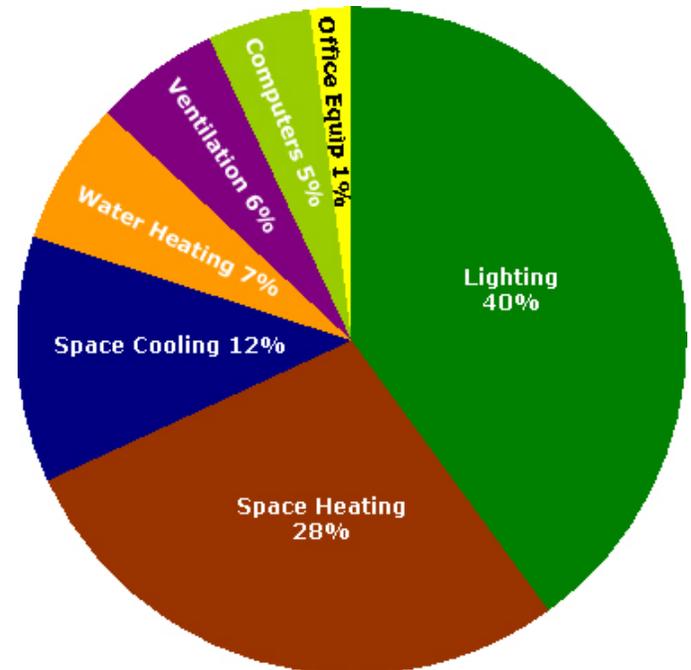
# Transform Your Building's Performance

## Your Biggest Expenses and How to Reduce Them

The first step in any project is to define the problem and the solution. In the case of office buildings, there are two primary issues: 1) the amount of money spent on electric utilities, and 2) the amount of electrical consumption which can be eliminated but currently is not.

The figure on the right shows a breakdown of the sources of electrical consumption. Notice that lighting and HVAC (heating, ventilation, and cooling) account for 86% of the buildings total electrical consumption. The good news is that a large portion of that consumption can be eliminated or significantly reduced. How much you ask? By as much as 70 percent! The key is taking the right measures in the right sequence with proper controls to automate the operation of the building.

Office Building Consumption By End Use



Source: U.S. Department of Energy

## Steps to Reducing Building Energy Usage and Demand

- ✓ Survey your building and equipment
- ✓ Design an affordable, cost effective plan
- ✓ Design to maximize incentives
- ✓ Retrofit or replace inefficient lighting & HVAC equipment
- ✓ Install lighting & HVAC controls
- ✓ Install and commission a system to automate and manage building operation

## Managing Building Systems Is Key

Replacing older, less efficient equipment is a great start to improving your building's performance, however; the essential component for long-term energy reductions lies within providing a mechanism for controlling the equipment in a building without requiring human interaction. People get distracted or forget to turn things off when they're done using them and it's a big hassle. The only way to ensure your not wasting energy by leaving equipment on is through a system which does it automatically. Ask us for more details.

