

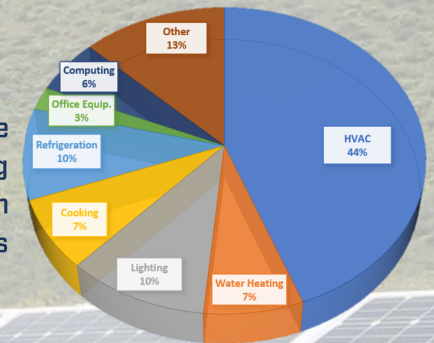
## Energy and Sustainability Services

### Certified Sustainable Designs

SBM designs building systems with sustainability in mind. We understand that nearly every building owner would like to maximize efficiency in order to lower utility costs. SBM's engineers are well-versed in designing beyond code minimums to meet the efficiency and sustainability standards of rating systems such as LEED, Green Globes, Energy Star, WELL, Enterprise Green Communities and Fitwel. SBM has 8 LEED AP certified professional engineers and one Certified Energy Manager (CEM) on staff, all of whom stay up to date on the latest sustainable building technologies.

### Energy Modeling and Life Cycle Cost Analysis

When detailed energy models are required, SBM can analyze building energy usage for all 8,760 hours in a year. Energy modeling is typically required for certifying buildings with LEED, but it is also useful in making system type decisions. SBM can also perform accurate life cycle cost analyses, which include factors such as equipment cost, maintenance cost, utility rates, and tax credits.



*Commercial Building Energy Use*

### Commissioning (Cx) of Systems

Designing efficient building systems is a great first step, but how can you be sure they are properly installed and performing optimally? Through our Cx services, SBM can help verify HVAC, plumbing, and electrical systems are installed and operating the way they were intended. Commissioning is one of the most important factors for improved building performance but is frequently dismissed due to the perceived added cost, when it can actually pay for itself. For example, the Cx process may uncover that in a building with hot water boilers it is possible to save 15% in heating bills just by using correct heating water temperatures!

### Energy Audits

If an existing building is not performing well, an energy audit may be the first step to finding out why. SBM performs energy audits for commercial and industrial buildings to determine the problems, then makes recommendations for improvements. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) designates three different levels of intensity for energy audits and our engineers have experience with all of them. In addition to identifying issues such as steam and compressed air leaks, missing insulation, inefficient lighting, and high electricity loads, SBM can perform capital cost estimating and life cycle cost justification for energy improvements.

### Next Steps

Contact us for a free initial consultation to see if SBM can help reduce your building's energy usage. We will be happy to talk about your needs to determine what steps might be advisable. Together, we can form a partnership to save money, energy, and natural resources.