



### Healthier Buildings - Healthier Performance!

On-going maintenance is important (so much so that we have an entire division devoted to Maintenance and Service) and the focus in preventive maintenance is to keep your equipment running at peak efficiency through regular checks, cleaning and filter changes. Air Masters helps your healthcare facility run more smoothly by ensuring your mechanical systems work as intended.

Maintaining the health and safety of a hospital building is critical to maintaining the health and safety of the patients inside.

Air Masters has built its reputation on years of forensically diagnosing and tuning up facilities. With our approach to providing energy efficiency and performance solutions, we help you understand how a building should breathe and perform so that you can ensure the optimal healing environment for your patients while reducing overall operating costs.

24-HOUR SERVICE - 636-680-2100



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TOTAL HEALTHCARE FACILITY SOLUTIONS



■ DESIGN

■ BUILD

■ CONTROL

■ SERVICE

■ MAINTAIN

### Healthcare Facility Retro-Commissioning:

One of the best ways to tune up your healthcare facility is to Retro-Commission the building. Retro-commissioning is the process of investigating, analyzing, and optimizing the performance of building systems which:

- Improves the building's overall performance by directly addressing equipment performance and system integration issues.
- Ensures that building staff have the knowledge and documentation needed to operate and maintain the building.
- Evaluates the building's environmental quality to reduce occupant complaints by optimizing existing systems

Retro-Commissioning provides a comprehensive tuning of your entire operations efficiency by testing and documenting all equipment and controls, sequences, relationships and the dependencies between systems.

**A 2009 study by Lawrence Berkeley National Laboratory found that 75 percent of retro-commissioning projects had a payback period of 2.4 years or less.**



**AirMasters**  
MECHANICAL CONTRACTOR/ENGINEERS

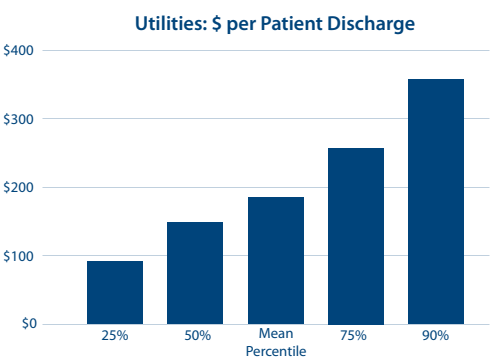
## HOSPITAL FACILITY STRESS

Today's medical facility is constantly evolving to meet the growing demand in the healthcare environment. Today hospitals are faced with housing more technology & people in a limited space. In addition they must keep their building systems running efficiently, provide super clean air, and keep energy costs from spiraling out of control.

**Hospitals on average consume 250% more energy than the average commercial building according to a survey conducted by the Energy Information Administration**

While growth and additional technology within a hospital can be positive, it creates enormous stress on building systems and hospital budgets. Systems that may have been designed well in the beginning are now stretched to adapt to an ever changing healthcare environment.

**For the average hospital, saving a dollar in energy costs is equivalent to a 20 dollar increase in revenues.**



Data Source: ASHE IFMA Benchmark Study 2011

## Two Critical Steps to Take:

### First - Diagnose!

What may seem like obvious advice within the context of a healthcare environment doesn't always happen. Hospital facilities over three years old should have their building systems and energy consumption diagnosed by a certified energy professional.



A hospital's lighting and HVAC systems alone account for over 70% of their energy usage. Reducing energy costs begins with understanding where you are currently. The first step is to conduct an energy audit of your facility. This key process helps establish a performance baseline and identifies measures that can be implemented to reduce energy consumption.



### Next - Tune Up!

A hospital building's performance has a direct impact on energy costs, productivity, value and most importantly, the health and safety of patients. High energy costs in a hospital may seem unavoidable, but in reality it could be a warning that there are serious performance issues within the multiple systems.

Getting your systems to operate according to specification is paramount in controlling energy consumption and optimizing the performance of your facility. Over time, hospitals often make changes in their facilities by adding new medical equipment or reconfiguring spaces without realizing the impact it has on energy consumption and the additional strain it puts on existing equipment. Systems that do not perform at expected levels consume more energy and raise operating costs.

**According to the American Society of Heating Refrigerating and Air-Conditioning Engineers, performance of energy-consuming systems deteriorates by as much as 30% in the first few years of operations.**