

## Hospital Energy Alliance Project Teams Address Barriers to Energy Efficiency

The Hospital Energy Alliance (HEA) is working to transform the healthcare industry's energy landscape. Members seek ways to use energy-efficiency and renewable energy strategies and technologies while enhancing healthcare delivery and contributing to a sustainable future.

HEA accelerates market adoption of energy-efficiency strategies and technologies that meet the unique requirements of critical-care environments. As a result, members can reduce energy usage and costs and help to shrink the industry's carbon footprint. Members enjoy unparalleled access to

### HEA Steering Committee Members

- Ascension Health
- Cleveland Clinic
- Gundersen Lutheran Health System
- Hospital Corporation of America
- Providence Health & Services
- Texas Medical Center (TECO)
- TRICARE Management Activity (TMA)
- University of Pittsburgh Medical Center
- U.S. Department of Veterans Affairs



Hospital Energy Alliance Project Teams work to dramatically improve energy efficiency in hospital settings. Their focus is on five key areas: medical equipment and plug loads; benchmarking and measurement; heating, cooling, and ventilation systems; lighting and electrical; and power alternatives.

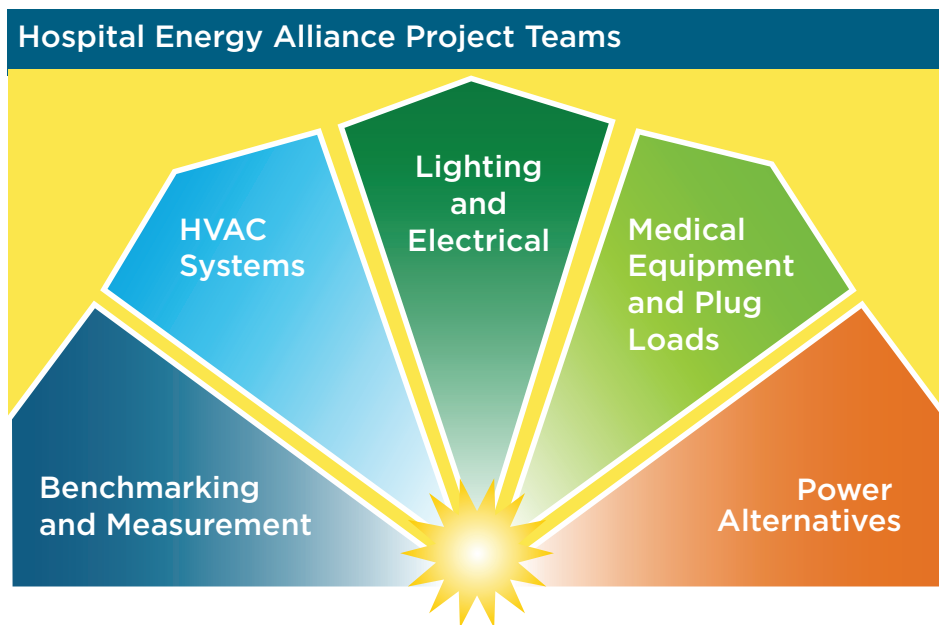
building experts in the U.S. Department of Energy's (DOE) national laboratories and to advanced technologies emerging from the laboratories. This national forum also enables members to share evidence-based solutions that influence the energy performance of hospital equipment and systems.

### Five Areas of Focus

The HEA Steering Committee has identified five areas in hospital building systems and operations that require research on innovative, cost-effective technologies and best practices toolkits. These form the basis for the HEA Project Teams:

- Benchmarking and Measurement
- HVAC Systems
- Lighting and Electrical
- Medical Equipment and Plug Loads
- Power Alternatives

All member hospitals participate in a Project Team of interest. Project Teams are composed of hospital representatives, DOE personnel, top building scientists from DOE's national laboratories, and experts from building-related professional organizations. Hospitals are represented by individuals in a position to identify and take advantage of energy-efficiency opportunities in new design and construction, retrofits, and operations and maintenance. Project Teams develop technical tools and resources to advance energy efficiency.



HEA members choose a Project Team of interest in which to participate. The Lighting and Electrical Project Team cuts across all of the Commercial Building Energy Alliances.

**Benchmarking and Measurement**

This Project Team focuses on developing and implementing cost-effective benchmarking and measurement strategies to better understand hospital energy consumption and its principal contributors.

**HVAC Systems**

This Project Team promotes energy-efficient heating, air conditioning, and ventilation practices that meet hospital requirements for conditioned air. Specific areas of interest include reheat loads reduction and innovative ways to meet outside-air requirements.

**Lighting and Electrical**

This Project Team seeks to develop cost-effective solutions to interior and exterior lighting challenges. HEA members serve with members of the Retailer Energy Alliance (REA) and the Commercial Real Estate Energy Alliance (CREEA) on one Project Team—with members addressing specific tasks through lighting-related Task Teams.

**Medical Equipment and Plug Loads**

This Project Team develops strategies to decrease energy consumed by diagnostic and therapeutic equipment, as well as general hospital plug loads.

**Power Alternatives**

This Project Team’s focus is on exploring and expanding hospital use of renewable energy sources (solar, wind, geothermal, and biomass) and cogeneration—combined heat and power (CHP).

**Task Teams**

HEA Task Teams supplement the efforts of Project Teams, handling specific tasks with defined goals. Typically, Task Teams are composed of members representing each of DOE’s Commercial Building Energy Alliances (CBEAs)—including HEA, the Retailer Energy Alliance (REA), and the Commercial Real Estate Energy Alliance (CREEA). Current Task Teams are Rooftop Air Conditioning Units, LEDs for Refrigerated Display

Cases, High Efficiency Lighting for Parking Structures, and LED Site (Parking Lot) Lighting.

**Supplier Summits**

DOE periodically schedules full-day supplier summits for each Project Team, often in conjunction with a related conference. These summits provide building owners and operators with an opportunity to outline their needs for meeting energy targets in face-to-face discussions with suppliers. Suppliers gain insight into the energy goals for various building types and offer solutions that could change the way buildings use energy.

Membership in HEA and its Project Teams offers hospitals a unique opportunity to reduce energy consumption, save on energy costs, and make their voices heard. Contact DOE at the address below to join HEA.

**Hospital Energy Alliance**

HEA is a forum in which healthcare leaders work together with DOE, its national laboratories, and national building organizations to accelerate market adoption of advanced energy strategies and technologies.

**A Strong Energy Portfolio for a Strong America**

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.