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Practice Greenhealth–Healthcare Clean Energy Exchange and Premier Inc.

In collaboration with

The Department of Energy (DOE) and Environmental Protection Agency (EPA)



Program Objectives

- Review the energy challenges facing hospitals, the urgent need for action and the role of senior leadership in energy management
- Identify best practices and tips for successful system-wide energy management program, including role of all stakeholders
- List the top ten specific technologies and quick wins that hospitals should focus on to improve their energy efficiency and make an effective business case around energy efficiency improvements
- Review the green power markets, including availability of renewable energy, benefits, costs and method to purchase, and role of EPA

Program Outline

Welcome, Introduction, and Goals of the Program:

*Nick DeDominicis, Director, Practice Greenhealth Healthcare Clean Energy Exchange
Gina Pugliese, Vice President, Premier Safety Institute*

Opening Session: Perspective from Hospital Leadership –

“Urgent need for the action to address energy crisis - Role of healthcare leaders”
Jeffrey Land, Vice-President, Corporate Real Estate, Catholic Healthcare West

Part 1: Energy Efficiency and Energy Management

Presenting Organization: EnergySmart Hospitals

1. **Hospitals**
 - a. Program background and goals
 - b. Launch (July 2008 at ASHE conference)
 - c. ENERGY STAR for Healthcare and Hospitals
 - d. Hospitals Activities
 - i. Advanced Energy Design Guide for small and large hospitals
 - ii. USDA partnership for critical access hospitals
 - iii. Hospital Energy Alliance
 - iv. Training–Integrated Building Design (new hospitals)
Energy Management Training (existing hospitals)
2. **Importance of Energy Management for Hospitals**
 - a. Making the business case for energy efficiency
 - b. Defining energy management; delineating between project and program
 - c. Developing and implementing an energy management program
 - d. Getting started (collect data, benchmarking)
3. **Energy Efficient “Quick Hits” for Existing Hospitals**
 - a. Lighting technology
 - b. Inventories and maintenance ‘cheat sheets’
 - c. Tune up of key building envelope features
 - d. Correcting simultaneous heating/cooling
 - e. Boilers/Chillers (steam traps, clean coils, monitor delta T)
 - f. Energy efficiency checklists for proper O&M
 - g. Insulate domestic hot water
 - h. ENERGY STAR equipment/settings
 - i. Education/operational changes
 - j. Calibrate and adjust key hospital equipment
4. **Summary and Q&A**

Part 2: Renewable Energy

Presenting Organization: EPA, Green Power Partnership Program

1. **What is green power**
 - a. Definition of green power
 - b. Difference in compliance and voluntary markets
2. **Why should a hospital / healthcare system buy green power?**
 - a. General environmental, price stability, and economic development benefits
 - b. Specific public health motivation of health care industry
3. **What are the options for buying green power?**
 - a. Green power electricity products
 - b. Renewable energy certificates (RECs)
 - c. On-site generation / Third party solar services
4. **How much will green power cost?**
 - a. Price premiums for utility green power products
 - b. REC pricing data
5. **How do I buy green power?**
 - a. Green Power Locator tool
 - b. Guide to Purchasing Green Power
6. **How can EPA provide assistance?**
 - a. Green Power Partnership overview
 - b. Partnership offerings & benefits
 - c. Sampling of hospitals / healthcare systems in GPP
 - d. Links to additional information and resources

Faculty

Representing Practice Greenhealth:

Nicholas DeDominicis is director of the Healthcare Clean Energy Exchange for Practice Greenhealth, the nation's leading membership and networking organization for institutions in the health care community that have made a commitment to sustainable, eco-friendly practices.

Representing Premier, Inc.:

Gina Pugliese, R.N., M.S. is vice president of the Premier Safety Institute, part of Premier, Inc. The Safety Institute coordinates activities among national organizations, Premier members, business units, contracted suppliers, and the community.

Representing Catholic Healthcare West:

Jeffrey W. Land serves as vice president of Corporate Real Estate at Catholic Healthcare West (CHW). CHW is the largest not-for-profit healthcare provider in California, with over 8,500 acute care beds and approximately 50,000 employees located on 41 hospital campuses in California, Nevada, and Arizona.

In his capacity at CHW, Mr. Land is responsible for providing leadership in the areas of Real Estate Strategy, Acquisition, Disposition, Joint Ventures, Energy Utilization, Master Planning, and Major Capital Construction for CHW's 16 Million sq. ft. portfolio. He has over 30 years of real estate operations, brokerage, construction, and performance improvement experience.

Representing the U.S. Department of Energy:

Carl Teter is an associate for Booz Allen Hamilton, registered PE and LEED AP with over 13 years work on energy demand/supply issues, including multiple hospital design reviews and energy management trainings for the Hospitals Initiative.

Kellan Dickens is a senior consultant for Booz Allen Hamilton and engineer-in-training who has worked on developing and delivering Integrated Building Design and Energy Management trainings for the Hospitals Initiative.

Representing the U.S. Environmental Protection Agency:

Blaine Collison is the director of the United States Environmental Protection Agency's Green Power Partnership. Since joining the EPA in 1996, Mr. Collison has held several positions in energy efficiency partnership programs, encompassing the residential new construction market, consumer product performance labeling, and commercial and institutional building management. Mr. Collison has also worked to make corporate climate change performance more transparent and valuable to institutional investors. Prior to joining EPA, Blaine was the Associate Director of the Sustainable Buildings Industries Council. He also worked as legislative staff for Congressman Mel Levine (CA) on Capitol Hill during the 102nd Congress. Mr. Collison has a political science degree from the University of Pennsylvania in Philadelphia, Pennsylvania.

Visit www.cleanmed.org/2009 to learn more and to register online.

Register Early and SAVE!	Prior to March 18, 2009	On or After March 18, 2009
Renewable Energy Pre-Conference (May 18)	\$200	\$200
Renewable Energy Pre-Conference + Main Conference (May 18, 19, 20)	\$500*	\$625*
Main Conference (only) (May 19 – 20) <i>Includes Practice Greenhealth Dinner on May 19</i>	\$350*	\$475*
Practice Greenhealth Awards Dinner (only) May 19	\$100	\$100

* Practice Greenhealth Member facility representatives receive a 50% discount on CleanMed 2009 conference registration.