


51st ASHE
Annual Conference & Technical Exhibition
2014
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Increase Efficiency with Energy to Care and the Sustainability Roadmap:
Benchmark and Win

SUSTAINABILITY Roadmap for Hospitals
energy to care+
SURVIVAL for the **FITTEST**

What's in it for me?

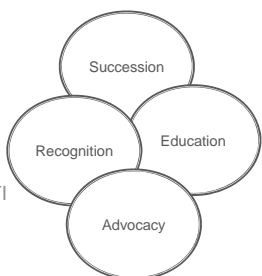


- A new focus for innovation
 - Brand differentiation
 - Heightened reputation
 - Recruitment advantages
 - Partnership opportunities

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What's in it for me?

- Become an expert Facility Manager
- Stand out for promotion
- Save your budget
- Learn new competencies
- Help your hospitals bottom-line
- Meet your Joint Commission PFI requirement



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HPOE: The Value of Efficiency

01 Make the commitment.

02 Create a structure for supporting environmental sustainability.

03 Support and finance environmental sustainability.

04 Set goals and measure, report and evaluate change.

05 Celebrate and share successes.

06 Continue to assess and identify new opportunities.

Executives can set the course for their organizations to create an action plan for finding greater efficiencies.

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Coordinated Efforts in Sustainability

- Energy
- Water
- Supply Chain
- Waste
- Commissioning
- Retrocommissioning

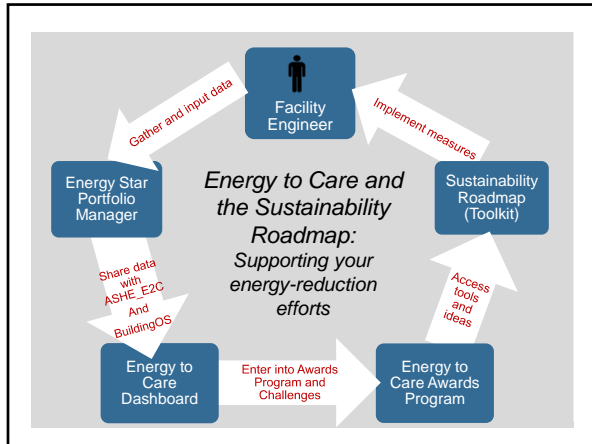
SUSTAINABILITY Roadmap for Hospitals

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Get Involved

If you are a hospital...	If you are a vendor...	If you are an ASHE chapter or region...
Become an ally	Become a supporter	Become an ally
Enter your data	Help your clients enter their data	Get your member hospitals to sign up and enter their data
Implement energy-reduction activities	Help your clients achieve energy savings	Host a student intern to help your members achieve energy savings
Receive awards and recognition	Receive awards and recognition	Receive chapter recognition
Share your success stories	Share your success stories	Share your success stories

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Implement Energy-Saving Measures

- Establish a baseline for current energy consumption.
- Develop an organizational environmental principles statement.
- Evaluate and implement operating room airflow setback.
- Retrocommission HVAC controls.
- Evaluate and install low-e window film.
- Energy-Efficient Lighting

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Energy to Care Dashboard

Participant	Reduction %	Baseline use kWh	Competition use kWh	Total savings kWh
1 st CH2006 - S. BAY FRANCISCO CANCER THE	43.4%	87.80 kWh	43.39 kWh	383,907.2 kWh
2 nd Pavilion HOOR Campus	41.1%	28.93 kWh	18.26 kWh	82,429.8 kWh
3 rd CASEE - LANSVIEW MEDICAL OFFICES	36.1%	228.28 kWh	144.20 kWh	708,802.0 kWh
4 th HOOR1 - REGIONAL ADMIN LOW RISE	34.9%	140.41 kWh	91.78 kWh	422,181.2 kWh
5 th CH2007 - FAIRFIELD MEDICAL OFFICES	33.9%	148.87 kWh	107.40 kWh	342,317.7 kWh

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Energy to Care Dashboard

- Expands on capabilities of Portfolio Manager to visualize and analyze energy use data
 - Meter and device integration
 - Interval data management tools
 - Trend analysis and comparisons
 - Competitions
- Uses Energy Utilization Index (EUI) to measure building performance “apples to apples”
 - Energy consumed per square foot per year.
 - Total energy/ total gross floor area= # kBtu
 - Pulls information from Energy Star’s Portfolio Manager platform

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Energy to Care Dashboard

<p>Tracking Performance</p> <ul style="list-style-type: none"> • Share and report performance • Verify and track savings • Identify and prioritize opportunities to increase building performance • Justify resource allocation 	<p>Decision-Making Tool</p> <ul style="list-style-type: none"> • What’s the best investment? • What system will be the most sustainable and permit the lowest operating costs?
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Be Recognized for Your Efforts

Participate in the 2014 Energy to Care awards program:

- Input at least 1 full year (12 months) of energy data in Energy Star’s Portfolio Manager
- Add ASHE_E2C and BuildingOS as contacts in Energy Star’s Portfolio Manager.
- Share data of all properties with the above contacts in Energy Star’s Portfolio Manager.
- Send Portfolio Manager username to: e2c@mazzetti.com in order to create Energy to Care Dashboard profile.
- Use your Energy to Care dashboard to measure energy use and set goals for energy reduction.
- Verify that your data is accurate and updated every quarter.

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Be Recognized for Your Efforts

- The Energy to Care program offers two types of awards for hospitals reducing energy use:
 - Energy to Care Award
 - Honors health care facilities that reduce energy consumption by 10 percent over baseline and facilities that have already reduced consumption by at least 10 percent and go on to reduce energy use by at least another 5 percent.
 - Requires 2 years (24 months) of energy use data to participate.
 - Energy Champion Awards
 - Honor health care facilities that are the most energy efficient (as measured by the lowest energy use intensity or EUI) in their region or nation.
 - Requires 1 year (12 months) of energy use data to participate.

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Be Recognized for Your Efforts

- 2014 Energy to Care Awards program deadlines:
ASHE's team will identify eligible hospitals on **October 1, 2014**.
Completed verification forms must be received by **October 8, 2014**.
Award winner(s) will be notified by e-mail by **October 19, 2014**.


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Helpdesk


- Need assistance with data input or sharing your properties?
 - Attend a Portfolio Manager Benchmarking Workshop with Clark Reed of Energy Star
 - Tuesday, August 5, 3:15- 4:30 PM
 - Come to a live demo at the ASHE Connect Booth
 - Monday, August 4th, 1:30 - 1:40 PM
 - Tuesday, August 5th, 10:50 – 11:00 AM, 11:40 – 11:50 AM
 - Contact the Mazzetti helpdesk
 - By email: E2C@mazzetti.com or roadmap@mazzetti.com
 - By phone: 415-364-2366

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TAHFM Energy Roundup



- Improving energy efficiency as key initiative
- Involved 11 different health care systems, including 30+ million square feet of property
- Used Energy Star's Portfolio Manager to establish a regional competition
- Required two years (24 months) of energy use data to show improvement over time
- Held midpoint check-in six months from deadline




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TAHFM Energy Roundup

Challenges


- Getting people to over the hump to benchmark
- Publishing key dates and communications
- Committee oversight
- Focus and follow up




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TAHFM Energy Roundup


Outcomes




Total reduction: 332 million kBtus of energy. Average hospital reduced their energy by 1.2%. Average MOB reduced by 5.4%.



Total reduction: 20 million gallons of water. Average hospital reduce their water by 5.4%. Average MOB reduction of 77,000 gallons.




Estimated \$1.7 million in savings from energy and water reductions




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Setting up a Challenge

- Energy to Care dashboard provides an easier route to creating your own **individual competition** for a healthcare system
 1. Ensure your Energy to Care dashboard profile is up-to-date with all facilities and connected meters.

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Setting up a Challenge

2. Organize a competition under "Occupant Engagement" on the Dashboard landing page.

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Setting up a Challenge

3. Create a new competition
4. Enter in the name, details, competition and baseline periods, utility type, and visibility for your challenge.
5. Decide on a midpoint check-in.
6. Inform your participants and start competing!



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Setting up a Challenge

- Setting up a group-by-group or **regional challenge** for multiple hospitals, health care systems, and utility companies across different profiles requires additional assistance and Dashboard development
- Please contact Mazzetti for pricing, fundraising opportunities, and challenge development through the Energy to Care Dashboard at e2c@mazzetti.com or 415-364-7266

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Be Part of the Movement!



greater efficiency supports patient care

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Questions

www.energytocare.com www.sustainabilityroadmap.org

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