



Optimizing health care facilities

Q2 ASHE Sustainability and Advocacy Liaison Webinar

20 May 2020

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a professional membership group of the American Hospital Association
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Agenda

1. NFPA Update
2. ENERGY STAR Scoring Update – Clark Reed
3. ASHRAE Update
4. Energy to Care Awards and Chapter Challenge
5. FGI, USP & ICC Update
6. Energy Conservation Measures
7. Liaison Community
8. COVID – 19 Resources
9. 2020 Webinar Dates
10. Upcoming Events

NFPA Update

NFPA 99 & 101

- Annual 2020 Revision Cycle Motions Committee Report and Agenda posted
 - NFPA 99 – 3 Certified Amending Motions
 - NFPA 101 – 7 Certified Amending Motions
- Voting to be electronic
 - NFPA to provide more information and instructions
 - ASHE will monitor and share once posted

- CAM 21 - 99-5 - Section 16.3 Special Hazard Protection for Flammable Liquids and Gases
 - Adds language to include Fixtures, Furnishings and Decorations to this section.

Certified Amending Motion to Accept Public Comment No. 21	
99-5	<p>Recommended Text if Motion Passes:</p> <p><u>16.3* Fixtures, Furnishings, and Decorations.</u></p> <p><u>Fixtures, furnishings (including upholstered furniture and mattresses), and decorations shall meet the requirements of the applicable codes for the use of the space.</u></p> <p><u>A.16.3 Requirements for fire safety of fixtures, furnishings (including upholstered furniture and mattresses) and decorations can be found in NFPA 1 and in NFPA 101.</u></p>
	<p>Recommended Text if Motion Fails:</p> <p><i>There is no recommended text.</i></p> <p><i>(Note: Second Revision No. 986 deleted the proposed text and there was no previous edition text)</i></p>

NFPA 99

- CAM 135 - 99-7 - Section 16.11.1.4 (Note numbered 16.9.1.3 in 2018 Edition)
 - Requires Five lb. CO₂ FE in OR's
 - Requires conductivity testing of FE fire hose assembly annually

Certified Amending Motion to Accept Public Comment No. 135	
99-7	Recommended Text if Motion Passes: 16.11.1.4* Clean agent- or water mist-type Five lb. carbon dioxide-type fire extinguishers shall be provided in operating rooms. <u>Conductivity testing of the extinguisher fire hose assembly shall be performed annually, per NFPA 10.</u>
	Recommended Text if Motion Fails: 16.10.1.4* Clean agent- or water mist-type fire extinguishers shall be provided in operating rooms.

NFPA 99

- CAM 138 - 99-9 - Section A.16.11.1.4 (Note numbered A.16.9.1.3 in 2018 Edition)
 - Removes language that CO₂ FE meets definition of clean agent FE
 - Adds language to clarify use of CO₂ FE and ABC FE in ORs

Certified Amending Motion to Accept Public Comment No. 138	
99-9	<p>Recommended Text if Motion Passes:</p> <p>A.16.11.1.4</p> <p><u>A carbon dioxide extinguisher should only be used on a surgical fire if alternate means of disrupting the flame (e.g. extinguishing with sterile saline, patting the fire out with a gloved hand or wet towel) are unsuccessful. Dry chemical fire extinguishers should not be provided in operating rooms. A 20 lb. dry chemical ABC-type fire extinguisher may be kept in the surgical suite outside the OR to retrieve in case of an emergency, such as a larger fire that a small carbon dioxide extinguisher cannot handle. A carbon dioxide fire extinguisher meets the definition of a clean agent fire extinguisher according to NFPA 10. The clean agent extinguishers selected should have a Class A rating of some form.</u></p>
	<p>Recommended Text if Motion Fails:</p> <p>A.16.11.1.4</p> <p>Dry chemical fire extinguishers should not be provided in operating rooms. A carbon dioxide fire extinguisher meets the definition of a clean agent fire extinguisher according to NFPA 10. The clean agent extinguishers selected should have a Class A rating of some form.</p>

NFPA 101

- CAM 18 - 101-9 - Section 11.13
 - Indoor play structures
- CAM 6587 - 101-10/101-20 - Section 30.7.5
 - Valet trash collection services
- CAM 6588 - 101-11/101-21 - Section 31.7.5
 - Valet trash and recycling collection services
- CAM 6553 - 101-16 - Section 9.15
 - Two-way radio communication enhancement systems
- CAM 196 - 101-17 - Section 31.3.4.3.2
 - High-rise building notification

NFPA 101

- CAM 217 - 101-18 - Section 15.2.2.2.4.1(3)
 - Two nonsimultaneous releasing motions shall be permitted where approved by the authority having jurisdiction
- CAM 218 - 101-18 - Section 17.2.2.2.6.1(3)
 - Two nonsimultaneous releasing motions shall be permitted where approved by the authority having jurisdiction

Campaign 2020

- Only one issue for Technical Session
 - Clean agent FE vs CO₂ FE for OR's
- Will need ASHE members to vote electronically during Technical Meeting
 - Date has not been set
 - ASHE will monitor and share once posted
- Voting Privileges
 - Make sure your membership stays current over the next few months!
- Anticipate need for ~300 members

Fire Extinguisher Monthly Inspections

- Thank you for your help in submitting Public Comments !!!
- NFPA received over 2 dozen comments
- Working with committee to encourage option for performance-based inspections



ENERGY STAR Scoring Updates



2020 ENERGY STAR Healthcare Score Update

Clark Reed, National Program Manager
ENERGY STAR, U.S. EPA

ENERGY STAR® Portfolio Manager®



Assess energy, water and waste/materials consumption



Track changes over time



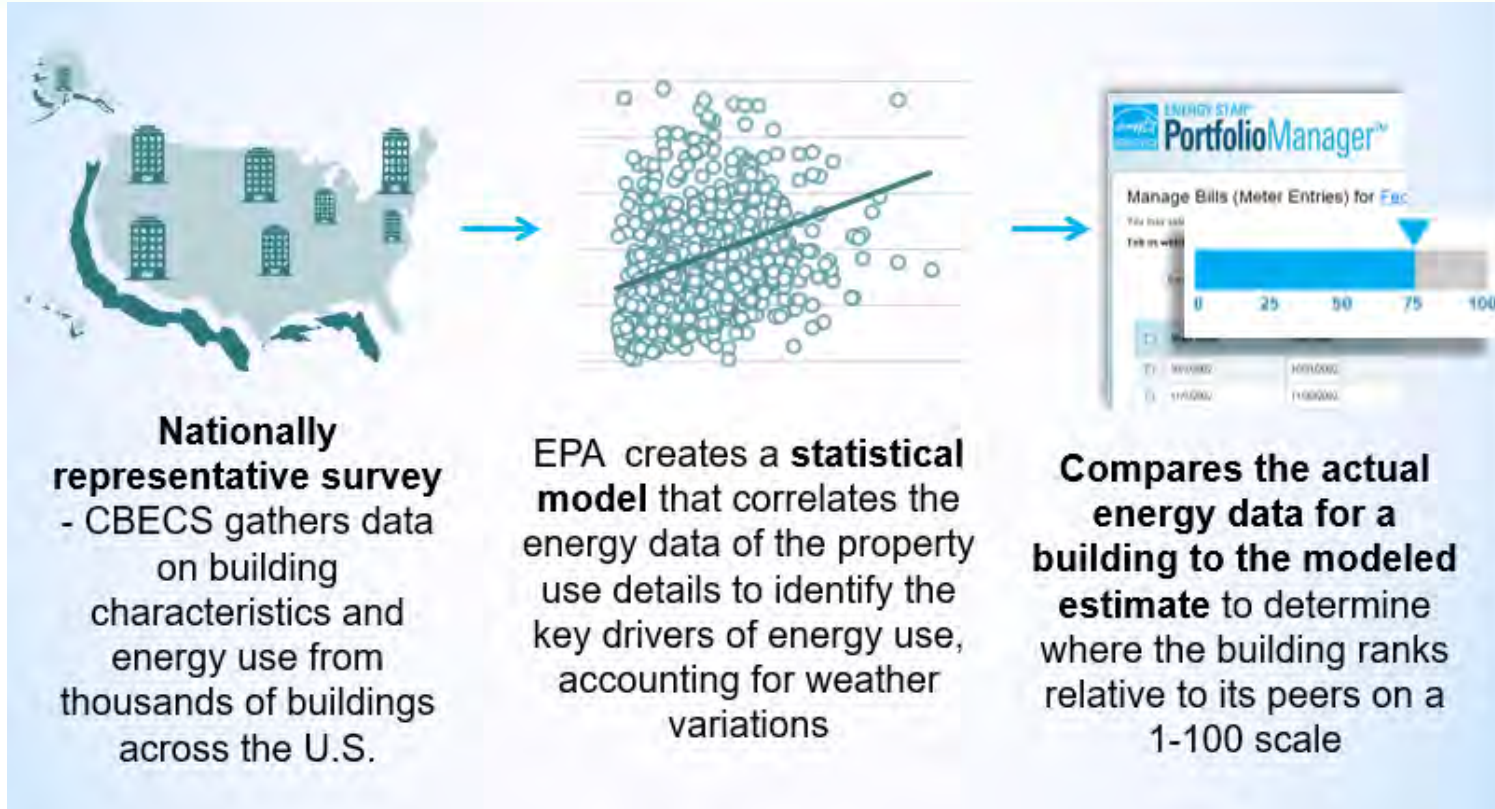
1-100 ENERGY STAR score (available for many building types)



Apply for ENERGY STAR certification

www.energystar.gov/benchmark

ENERGY STAR scores are based on market data



Good News!

Hospital ENERGY STAR score
will be updated in Portfolio Manager

ASHE Energy Survey Timeline

September 2016

ASHE Survey Issued

December 2017

EPA receives anonymous survey results

July 2019

EPA restarts analysis; expected release in 2020

March 2020

Covid-19

February 2021

**Expected launch of new GMS hospital
ENERGY STAR score**

TBD

ENERGY STAR update for MOBs

Will this impact your historical scores?

- Yes, when EPA updates the methodology, the new calculations will be applied to **all time periods**.
- You'll maintain the ability to compare performance over time.
 - Even if your scores go down, you'll still see your improvement between the baseline and the current periods
 - You'll continue to be able to analyze differences that are a result of your own activities, not EPA's methodology

Metrics Summary			
Metric	Dec 2014 (Energy Baseline)	Mar 2017 (Energy Current)	Change
ENERGY STAR Score (1-100)	39	48	9.00 (23.10%)
Source EUI (kBtu/ft²)	294.9	264.4	-30.50 (-10.30%)
Site EUI (kBtu/ft²)	118.7	95.8	-22.90 (-19.30%)
Energy Cost (\$)	581,581.78	540,588.06	-40,993.72 (-7.00%)
Total GHG Emissions Intensity (kgCO2e/ft²)	11.3	9.9	-1.40 (-12.40%)
Water Use (All Water Sources) (kgal)	3,373.9	3,228.1	-145.80 (-4.30%)
Total Waste (Disposed and Diverted) (Tons)	879.99	836.75	-43.24 (-4.90%)

Learn more about EPA's healthcare score updates this Summer at

2020 ASHE Annual Conference

August 2-5, 2020 in Chicago

“ENERGY STAR Score Changes for Hospitals and MOBs”



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National Program Manager
ENERGY STAR Buildings
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ASHRAE Update

ASHRAE Overview

- ASHRAE 170 Ventilation for HC Facilities
 - Several addenda just closed for public comment
 - Will be formally issued via ASHRAE
- ASHRAE 189.3 Design, Construction and Operation of Sustainable High-Performance Health Care Facilities
 - Finalizing alignment with 189.1
- ASHRAE 100 Energy Efficiency in Existing Buildings
 - Working to establish ASHE representation on the SSPC
- ASHRAE 514 Minimizing Risk of Disease and Injury Associated with Building Water Systems
 - Working with the Committee to develop standard

ASHRAE 170

- Following addenda closed on 17 May
 - Addendum d – Outdoor Air Intakes – no comments
 - Addendum e – Testing of Drain Pans – 1 comment
 - Addendum l – Align Space Names with FGI – no comments
- Addenda open until 1 June
 - 2nd Public Review Addendum a – Align Filter Requirements in Tables
 - 1st Public Review Addendum k – Table 9.1 Residential Health, Care and Support Spaces
 - 1st Public Review Addendum m – Align Behavioral and Mental Health terminology with FGI

ASHRAE 170

- Continuing to work on additional addenda
- Will be coming soon

- Watch for notices within



CODES & STANDARDS

Health care ventilation standard open for public comment

A proposed addendum to Standard 170-2017, Ventilation of Health Care Facilities, is open for public comment.

HFM

ENERGY TO CARE AWARDS AND THE CHAPTER CHALLENGE

Energy to Care Awards

- Energy Champion Award Applications on website.
- All Dashboard participants are eligible to receive an Energy to Care Award.
- Make sure all Energy Data is up to Date.
- We will notify winners after July 1, 2020.
- Track eligibility on Dashboard home page.



Awards Progress
Period Ending December 2018

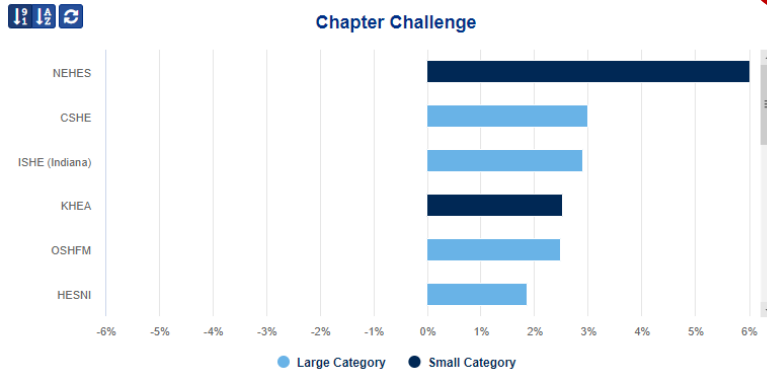


Chapter Challenge



- Make sure data is up to date by July 1, 2020

- 2021 Chapter Challenge has been canceled



FGI, USP & ICC Update

FGI

- Document and topic groups review/vote on proposals completed.
- Draft manuscripts being developed
- Once the draft manuscripts are published a comment period will open for public input beginning June 1, 2020 and closing August 31, 2020.

USP

- Appeals panel met in January
 - Appeal granted to:
795
797
 - Remanded Chapters to Compounding Expert Committee
 - Current Official Versions:
 - 795 2014 Edition
 - 797 2008 Edition

ICC

- ICC CHC Work Groups Meeting to prepare for 2024 Cycle – Group A
 - 3 Work Groups
 - Means of Egress
 - Fire and Safety
 - MEP
 - Work Groups currently evaluating K-tags
 - If interested in participating contact Jonathan right away

Energy Conservation Measures

NEW – Energy Conservation Measures

- 10 available, 30 more coming soon

Energy Conservation Measures (ECMs)

These reliable, unbiased resources that can help organizations integrate sustainable practices into the health care environment. Review strategies and Energy Conservation Measures (ECMs), or how-to-guides, to get started on your journey toward sustainability for your health care facility.

Actionabilities

Prepare

Schedule

Control

Repair

myASHE Liaison Community

myASHE – Liaison Community

Updates posted regularly on myASHE

The screenshot shows the myASHE online member community website. At the top, there is a navigation bar with links: Home, Communities, Directory, Browse, Participate, and Volunteer. A search bar is located on the right. Below the navigation bar, the main content area is divided into two columns. The left column is titled 'ASHE SUSTAINABILITY LIAISONS' and features a 'LATEST DISCUSSION POSTS' section. The right column is titled 'WELCOME' and features a 'WELCOME!' section. The 'LATEST DISCUSSION POSTS' section shows two posts: one by Edward Browne titled 'RE: SUSTAINABILITY LIAISONS UNITE!!! - CAH ENGAGEMENT ...' and another by Joshua Brackett titled 'SUSTAINABILITY LIAISONS UNITE!!! - CAH ENGAGEMENT'. The 'WELCOME!' section shows a post by Kara Brooks titled 'WELCOME!'.

myASHE
online member community

Contact Us Code of Conduct ASHE Website

Home Communities Directory Browse Participate Volunteer

ASHE SUSTAINABILITY LIAISONS

COMMUNITY HOME DISCUSSION LIBRARY MEMBERS

LATEST DISCUSSION POSTS

WELCOME

RE: SUSTAINABILITY LIAISONS UNITE!!!
- CAH ENGAGEMENT ...

BY EDWARD BROWNE ONE MONTH AGO

Agreed Thank you Kara and all the ASHE team for putting this together. It will be a very valuable tool Ed -----
- Edward Browne SASHE,CHC,CHFM Vice President of Support Services Cambridge Health Alliance Cambridge MA (617)806-8521 ...

SUSTAINABILITY LIAISONS UNITE!!! -
CAH ENGAGEMENT

BY JOSHUA BRACKETT ONE MONTH AGO

WELCOME!

BY KARA BROOKS ONE MONTH AGO

Welcome to the Sustainability Liaison Community! You can find various resources for your use in the shared files, including the Sustainability Liaison meeting slides and recorded webinars. Additionally, please feel free to post a discussion for the group.

Thanks for your participation!

Kara Brooks, MS, LEED AP BD+C
ASHE
Sustainability Program Manager

- Discussion Posts
- Shared Files
- Webinar Dates and Reminders

Did we mention that there
is a Pandemic?

COVID-19 Resources for Health Care Facilities

www.ashe.org/covid19resources

- ASHE has created a resource page to assist health care facilities professionals in their efforts to reduce the spread of COVID-19. The resources cover critical operations such as air quality, safety and security, emergency preparedness and infection prevention.
- Please bookmark this page and check back often as we continue to update this information as needed.

2020 Webinar Dates

2020 Sustainability and Advocacy Liaison Dates



Webinar Reminders will be posted on myASHE Liaison Community



- Q2 – Wednesday, May 20, 2020
- **Q3 – Liaison Day - October 29 - 30, 2020 ?**
- Q4 – Wednesday, December 9, 2020

All webinars will begin at 12:00 Noon CT

Upcoming Events

Upcoming Events!



Monitoring...



Thank you!

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