



Optimizing health care facilities

Q2 ASHE Chapter Leaders, Sustainability and Advocacy Liaison Meeting

1 June 2022

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a professional membership group of the American Hospital Association
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Agenda

1. Chapter Awards
2. NFPA Update
3. Environmental Sustainability and Decarbonization
4. ASHRAE Update
5. Sustainability Education Development Update
6. 2022 Chapter Leadership Forum
7. Energy to Care Awards and Chapter Challenge
8. ICC Update
9. Project Firstline
10. Request for CEC's
11. WMTS - EWMTS
12. 2022 Meeting Dates and Upcoming Events

Liaison Slide Deck

This slide deck will be shared in the myASHE Liaison Community and SharePoint site.

The slide deck is intended to be used by the liaisons and chapter leaders to assist in sharing information with chapters. The slide deck is not to be shared with others.

By downloading the presentation slides, you agree to use it for sharing information purposes only.

2022 Chapter Awards

2022 Chapter Applications

- Applications were due on April 1, 2022
 - ✓ Upload Documents in SharePoint
- Education Opportunities
 - ✓ Points
- Participation In Awards Program
 - ✓ Chapter Benefits

NFPA Update

NFPA Standards

- Current NFPA Cycle Activities
- 2022 Editions
 - NFPA 25
 - Second Draft Report Posted 24 January 2022
 - NITMAM Closed 22 February 2022 – will post on 2 May 2022
 - ASHE coordinated 2 NITMAMs
 - Section 5.2.2.2 Only – Accept Committee Comment 3
 - Section 5.2.2.2 and 5.2.2.2.1 – Accept Committee Comment 3

5.2.2.2

Sprinkler piping shall not be ~~subjected to external loads by materials either resting on the pipe or hung from the pipe~~ used to support nonsystem components.

5.2.2.2.1

Nonmetallic sprinkler pipe shall not be subjected to incompatible components or materials in contact with the pipe.



NFPA Standards

- 2023 Editions
 - NFPA 90A/90B
 - Public Comment **Closed 31 May 2022**
 - Second Draft Report 28 February 2023
 - NITMAM Closing 28 March 2023
 - NFPA 70E, 99 & 101
 - Public Comment **Closed 31 May 2022**
 - Second Draft Report 28 February 2023
 - NITMAM Closing 28 March 2023
- ASHE RAC prepared several PC's for NFPA 101 and 99
- **Technical Session 8 June 2022 1:00 PM – 9 June, Boston, MA**



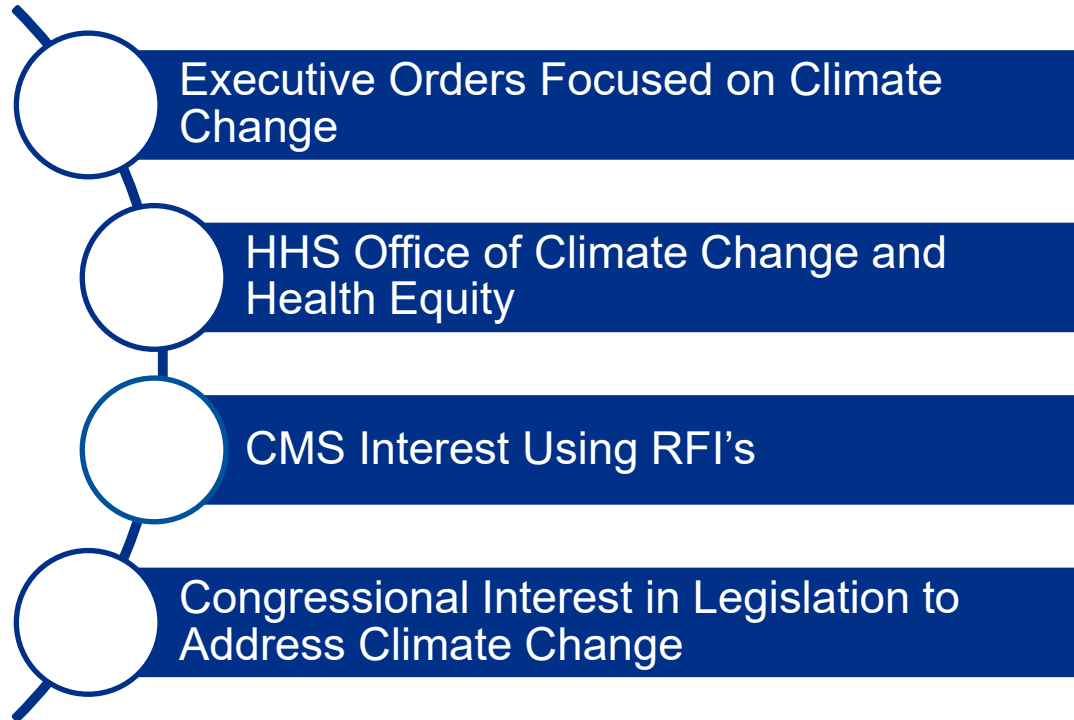
NFPA Standards

- 2024 Editions
 - NFPA 13, 72, 80, 101A, 105, 110 & 111
 - Public Input Closing **TODAY 5:00 PM EDT**
 - First Draft Report Posting 22 March 2023

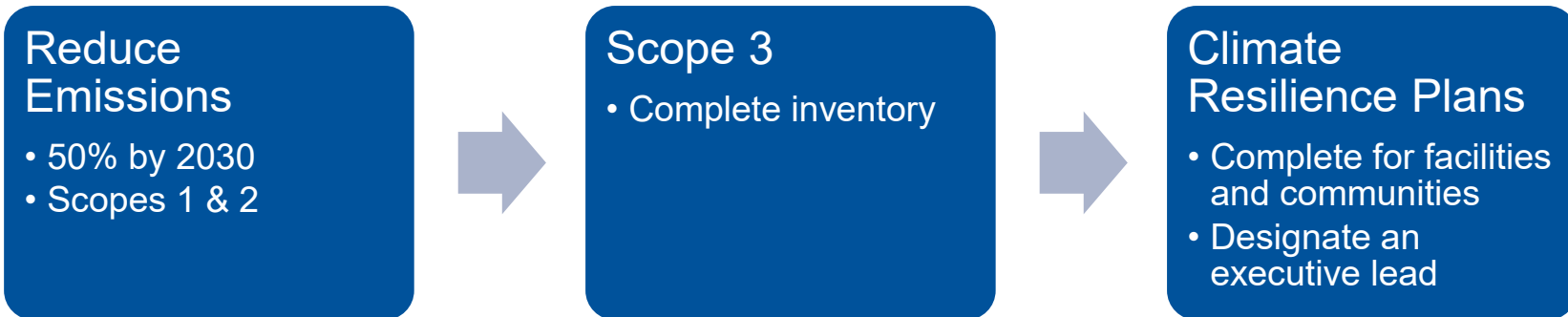
Environmental Sustainability and Decarbonization

Federal Efforts

- Biden Administration and Congress Seek Action on Decarbonization



HHS Health Care Pledge



HHS announced Tuesday – Office of Environmental Justice

<https://www.hhs.gov/about/news/2022/05/31/biden-harris-administration-establishes-hhs-office-of-environmental-justice.html>



National Academy of Medicine

Decarbonizing the U. S. Health Care Sector

- Formation of an Action Collaborative Aimed at Decarbonizing the U.S. Health Care Sector
 - Steering Committee*
 - Infrastructure and Supply Chain
 - Health Care Delivery*
 - Health Professional Education and Communication
 - Policy, Financing and Metrics*
- Potential Key Issues
 - Reimbursement
 - New Standards and Requirements for Hospitals
 - Capital Expenses
 - Board and Leadership Engagement
 - Cross-Sector Partnerships



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BRANDON CASEY
MAJORITY STAFF DIRECTOR

Congress of the United States
U.S. House of Representatives

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GARY ANDRES,
MINORITY STAFF DIRECTOR

March 24, 2022

Re: Request for Information Related to the Climate Crisis and Health Industry
To Whom It May Concern,

The impact of the climate crisis on health is well documented – from increasing rates of asthma in vulnerable communities, to an increase in deaths from extreme weather events, heat, infectious and vector-borne diseases, and compromised food supplies.¹ Yet, less attention has been paid to the fact that the health care industry as a whole is responsible for an estimated 10 percent of greenhouse gas emissions in the United States (U.S.) and more than four percent of worldwide greenhouse gas emissions.^{2, 3} If the global health sector were a country, it would be the fifth-largest emitter on the planet.⁴ With U.S. greenhouse gas emissions rising by an estimated six percent between 2010 and 2018, it is clear that all actors in the health care system have roles to play in addressing their contributions to the climate crisis.⁵

- <https://waysandmeans.house.gov/media-center/press-releases/neal-issues-request-information-health-care-industry-s-impact-climate>



ASHRAE Update

ASHRAE/ASHE 170

- ASHRAE/ASHE 170 Ventilation for HC Facilities
 - 2021 Edition Available via ASHE or ASHRAE
- No current addenda posted for public review
- Currently working on the following topics
 - OR Air
 - Reviewing proposal for OR's as clean rooms
- Fan assisted natural ventilation

ASHRAE/ASHE 170

- Guideline 43 - Operations Guideline for Ventilation of Health Care Facilities
 - PURPOSE: The purpose of this guideline is to provide information and guidance for the operation of ventilation systems that provide environmental control in new and existing health care facilities.
- Continuing to work on this guideline
 - TPS changes approved
 - Coordinating effort with Standard 180, Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems
 - 180 currently includes health care facilities
 - Developing health care overlay based on current practices
 - To coordinate with 180 regarding Operations Guideline for Ventilation of Health Care Facilities

ASHRAE 514

- Risk Management for Building Water Systems: Physical, Chemical, and Microbial Hazards
 - The purpose of this standard is to establish minimum requirements to reduce illness and injury from physical, chemical, and microbial hazards from water systems in buildings.
 - Public review period **closed yesterday**
 - 415 public comments received
 - To address comments over the summer with committee meeting week of August 22nd to review proposed responses

ASHRAE Public Review

- 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

Sustainability Education Development

NEW! Sustainability Education Development



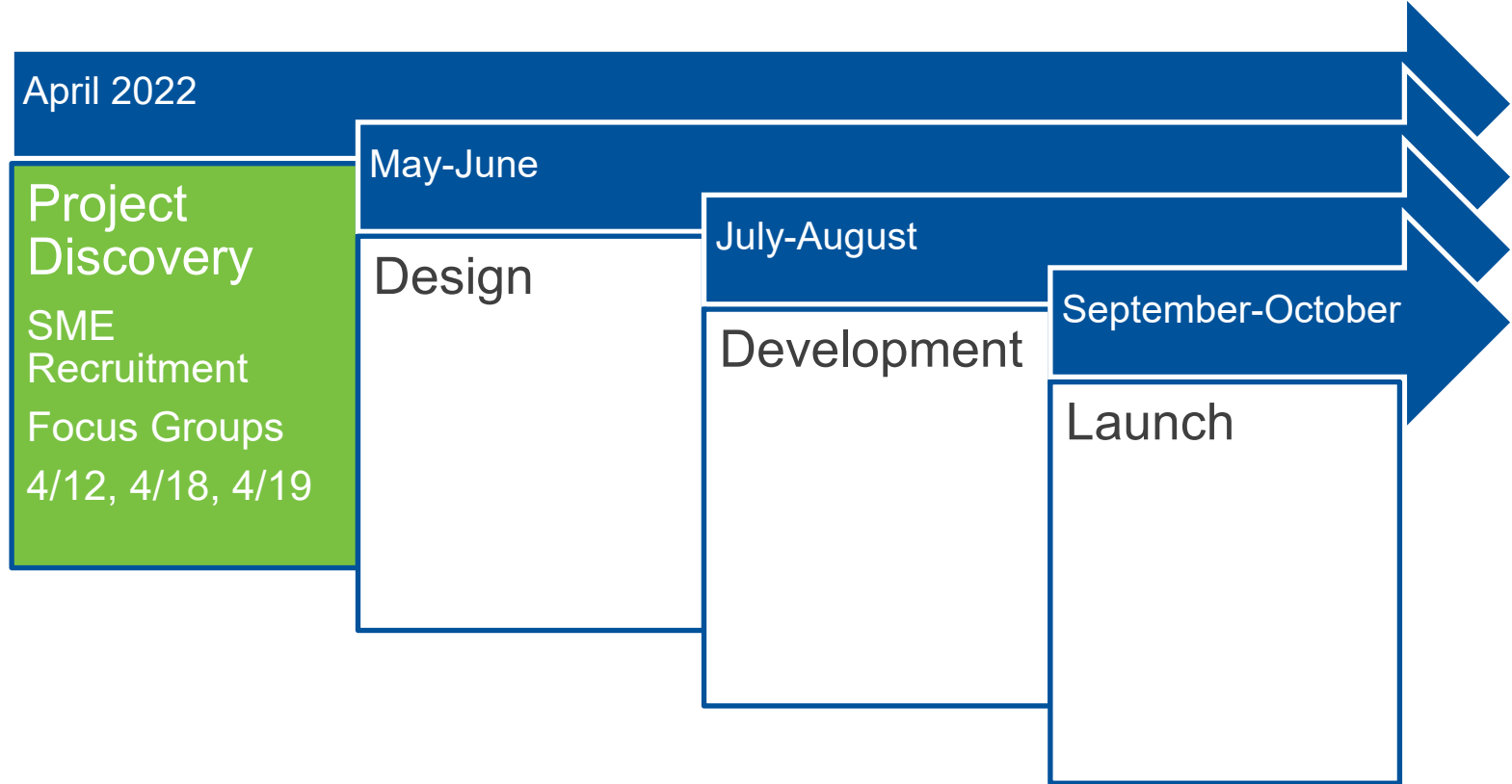
Why? New imperatives to make progress in this area.

Who? New/ novice learners to build foundation skills.

What? New e-Learning modules to build momentum around sustainability and decarbonization efforts.

How? Working with SMEs to develop authentic, engaging learning experiences.

NEW! Sustainability Education Development



2022 Chapter Leadership Forum

Energy to Care Awards and Chapter Challenge

Where do I find information?

AA

ASHE Advocacy and Sustainability Liaisons

Home

Documents

Pages

Site contents

Edit

+ New ▾

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ASHE Advocacy



Greater efficiency supports patient care.

ASHE Sustainability

Welcome to ASHE's New Advocacy and Sustainability Sharepoint site! Bookmark the page, and return for liaison news and events, meeting information, webinar recordings, and document sharing.

ASHE Advocacy and Sustainability Liaisons *sharepoint site*
energytocare.org

2022 Awards

- Winners Announced in July 6 Press Release
- Recognition at ASHE Annual Conference
- Categories
 - Energy to Care Award
 - Energy to Care Sustained Performance Award
 - Energy to Care Sustainability Champion Award



Chapter Challenge – 2022 Winners



Large Category
***Ohio Society for Healthcare Facilities
Management***

Small Category
***Chesapeake Area Society of
Healthcare Engineering, Inc.***



2023 Challenge

- Large Category
 - USHE
 - NCHEA
 - OSHFM
 - KSHE
 - ISHE (Indiana)
 - CAHED
- Small Category
 - GASHE
 - KHEA
 - VSHE
 - CASHE
 - AAHE
 - GAHFM





ICC Update

ICC

- 2024 ICC Code Development Cycle
 - Public Comment Hearings Group B
 - Wednesday, 14 Sept – Wednesday 21 Sept
 - Administrative Sections
 - IEBC
 - IRC
 - IEBC - S
 - IBC – S
- Public Comments Due 11:59 PM Pacific Time June 20th

ICC CHC

- CHC Submitted 8 Proposals
 - AM EB32 Provides exception for CO detectors in sleeping rooms if:
 - CO source has detection
 - Alarm is transmitted to approved location
 - AS EB56 - Clarify what is required for Group I-1, Condition 2 additions
 - AS EB71 - Define Ambulatory Care Facility in the IEBC
 - AS EB72 - Specifies where an existing Group I-1 would need to subdivide into smoke compartments

- CHC Submitted 8 Proposals Continued
 - **AS EB73** - Address ambulatory care facilities in building where a substantial renovation is occurring
 - **AS EB95** - Clarify what is required where an existing Group I-1 has partial change of use
 - **AS EB98** - Allow higher guards for patient safety around outdoor patient garden/exercise areas on a roof
 - **AM EB116** - Appendix for temporary use of existing buildings during an emergency

- CHC to Oppose several other proposals
 - **D G2** – Defines Life Safety Components - Components of life safety systems, designated seismic systems, emergency power systems, and emergency and egress lighting systems. This definition of life safety components is limited in application to the provisions of Section 1604.5.
 - **AM S9** – Relocates Section 1404.17 Fastening to Section 1404.5 – CHC prefers S62 which updates IBC with the provisions of the 2022 edition of *ASCE/SEI 7 Minimum Design Loads and Associated Criteria for Buildings and Other Structures*

- CHC to Oppose several other proposals
 - **AS S74 – S78** - Updates Table 1604.5 Risk Category of Buildings and Other Structures
 - Adds language “and buildings where loss of function represents a substantial hazard to occupants” to Risk Category IV facilities
 - Relocates
 - Group I-1 occupancies in which at least half of the Group I-1 care recipients qualify as Group I-1, Condition 2 to RC IV
 - All Group I-2 occupancies to RC IV
 - **ICC CHC to submit public comments**

Project Firstline

Project Firstline – CDC National Training Collaboration



CLINICAL STAFF

Resources on infection prevention and ventilation for clinical staff.

[Access >](#)



FACILITIES MANAGERS

Resources on ventilation and negative pressure rooms for health care facilities managers.

[Access >](#)



CONTRACTORS/TECHNICIANS

Resources on ventilation and negative pressure rooms for outside contractors and technicians.

[Access >](#)

ASHE AHA
1.02K subscribers

Topics for Clinicians

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VIDEOS COVER
A WIDE RANGE OF
**VENTILATION TOPICS
FOR CLINICIANS**

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Request for CEC's

WMTS – E WMTS

ASHE WMTS Webpage – ashe.org/wmts



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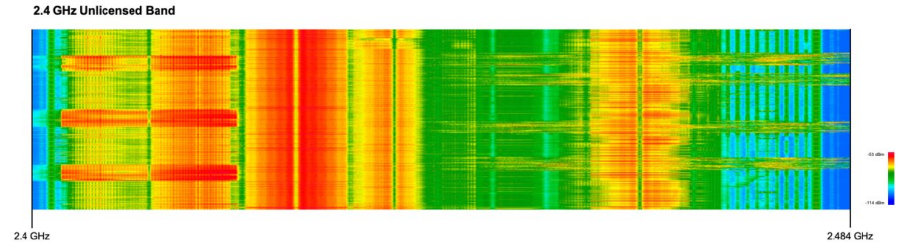
[Member Corner](#) ▾

Wireless Medical Telemetry Service (WMTS)

The Federal Communications Commission (FCC) created the Wireless Medical Telemetry System (WMTS) in response to growing concerns about interference from digital television transmitters and other equipment. The FCC dedicated bands of frequencies to promote the interference-free use of medical telemetry systems important for patient monitoring. The FCC mandated that all WMTS transmitters be registered, and appointed ASHE as the frequency coordinator to handle registration. ASHE and its technical partner Comsearch provide frequency coordination services and device registration. For more information regarding current WMTS issues see the news articles below.

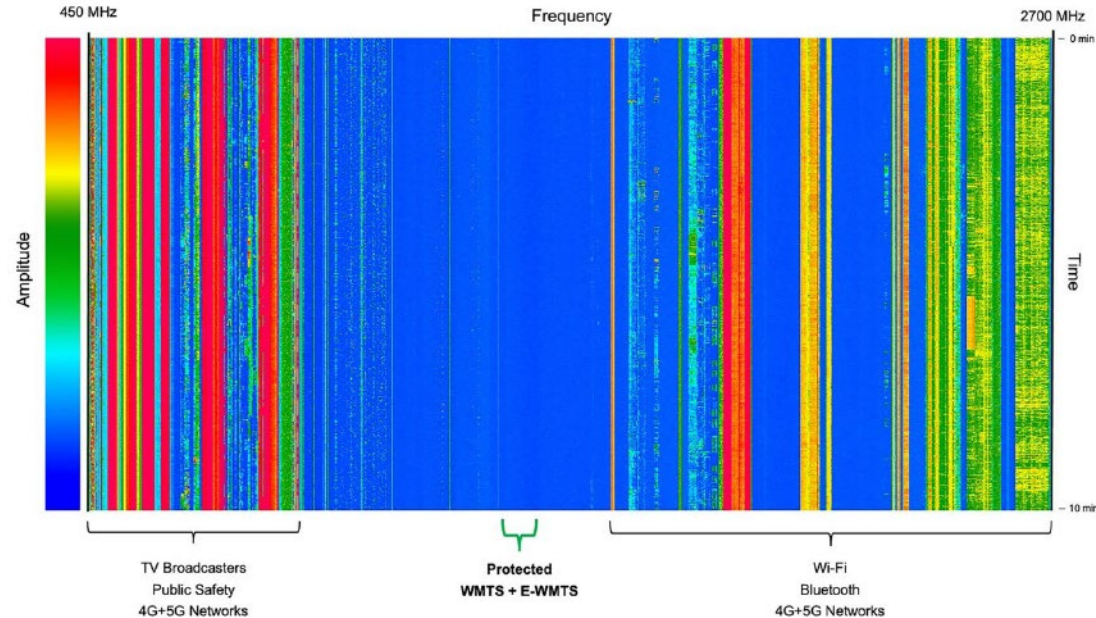
WMTS

- Most Common RF = 2.4 GHz Band
 - Broad Availability
 - Unlicensed Operations
 - Increasing Interference
- FCC WMTS Band = 1.4 GHz Band
 - Licensed and Protected from Interference
 - Long Term Interference Free Operation
 - Fraction of size of 2.4 GHz Band



Enhanced-WMTS (E-WMTS)

- New generation of patient monitoring devices
- FCC Authorized E-WMTS
 - Adjacent to current 1.4 GHz Band
 - Private Spectrum Holder, TerreStar
 - To enable E-WMTS in more than 2,000 facilities by year's end



- For more information see articles on ASHE WMTS Webpage - ashe.org/wmts

2022 Meeting Dates and Upcoming Events

2022 Sustainability and Advocacy Liaison Dates

2022 Webinar Dates

Q3: Wednesday, September 14, 2022

Q4: Wednesday, December 7, 2022

All webinars begin at 12:00 noon CST.

*Webinar reminders - myASHE Liaison Community
and Liaison SharePoint site*

Don't forget the many ASHE on-line educational opportunities
ashe.org/calendar

Energy to Care Newsletter!



April 22, 2022

Welcome to the first issue of the Energy to Care Quarterly Newsletter. We hope it inspires you to reduce energy consumption, providing value to your organization and improving patient care.

Upcoming Events!



October 23-29

National Health Care Facilities and Engineering Week

Special ASHE Tool Update

Questions or Discussion?





Thank you!

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