



Optimizing health care facilities

Q2 ASHE Chapter Leader and Liaison Call

June 5, 2024

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a professional membership group of the American Hospital Association
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Advancing Health in America

Welcome!

Agenda

- Chapter Leadership Forum Update
- 2024 ASHE Elections
- Chapter Website Updates
- Chapter Awards
- ASHE, PGH, AAMC Academic Medical Center Sustainability Community
- Sustainability Update
 - Energy to Care
 - Dashboard Update
 - Energy to Care Awards
- CAHED Sustainability Update: Guest Speaker - Tom Poeling
- ASHRAE Update
- NFPA Update
- ICC Update
- FGI Update

Chapter Leader/Liaison Slide Deck

This slide deck will be shared on the “Chapter Communications and Meeting Recordings” page on ASHE.org.

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.

Chapter Leadership Forum & Regional Networking

Chapter Leadership Forum

- July 21, 2024 in Anaheim, Calif. | 7 a.m.–1:00 p.m. PT
 - 7:00-7:30 a.m. – Check-in and pick-up Chapter Award plaques
 - 7:30 a.m.–1:00 p.m. – Welcome and Sessions
- Sessions on:
 - Chapter Education Programs – ASHE Education, vendor education programs, and training programs
 - Operating Budget and Strategic Planning
 - ASHE Advocacy and Sustainability Update
 - Utilizing Technology and Social Media at the Chapter Level
 - Lunch and Learn with FM Pipeline
 - Breakout session to hear from other Chapters on hot topics.

Chapter Leadership Forum

- ASHE Chapter Tech Support
 - Sign-up link will be included in CLF KBYG
 - Reserve a 30 minute time slot to meet 1:1 with an ASHE team member to chat on all things social media, website, membership data systems, etc.
 - Not able to meet during HFIC? Sign-ups for virtual 1:1 tech support will be offered this fall!

Regional Networking and Updates

- Sunday, July 21 at 4:30-6 p.m. PT
 - Regional Representatives' updates will begin at 5 p.m.
- Regions 1, 2, 4, 5, and 9 will also hear speeches from their region's Regional Representative candidates.

2024 ASHE Elections

ASHE Elections

- Learn about the candidates for ASHE President-elect, Associate Member Representative, and Regions 1, 2, 4, 5, and 9 Regional Representatives on ashe.org/ashe-elections and listen to their speeches at the Health Care Facilities Innovation Conference.
- Voting opens on Sunday, July 21, 2024, at 12:00 a.m. CT and closes on August 21, 2024, at 11:59 p.m. CT.
- Voting will be done online with these steps:
 - Update your email address in your ASHE member profile **by June 30**.
 - *Non-members need to join ASHE by July 12 to vote.*
 - Watch your email on Sunday, July 21 for an email from Association Elections with your unique direct link to the elections website.
 - Click on the link and vote!
- Encourage your members to vote!

Chapter Website Updates

Chapter Website Updates

- Chapter website redesign underway!
- Demo of revised pages:
 - Chapter Map
 - Chapter Leader and Support Staff Resources

Access the Chapter website at ashe.org/chapters

2024 Chapter Awards

Congratulations to the 2024 Chapter Award Recipients!



Arkansas Association for Healthcare Engineers
California Society for Healthcare Engineering
Chesapeake Area Society of Healthcare Engineering
Colorado Association of Healthcare Engineers and Directors
Georgia Association for Healthcare Facility Managers
Georgia Society for Healthcare Engineers
Healthcare Engineers Society of Northern Illinois
Indiana Society for Healthcare Engineering
Kentucky Society of Healthcare Engineers
North Carolina Healthcare Engineers Association
Texas Association of Healthcare Facilities Management
Wisconsin Healthcare Engineering Association

Congratulations to the 2024 Chapter Award Recipients!



Alabama Society for Healthcare Engineering

Central Arizona Society for Healthcare Engineering

Florida Healthcare Engineering Association

Genesee Valley Regional Association for Healthcare Engineers

Healthcare Engineers Association of Southern New Jersey

Healthcare Facilities Management Society of New Jersey

Healthcare Facilities Managers Association of Delaware Valley

Hospital Engineering Society of Greater New York

Idaho Society for Healthcare Engineering

Kansas City Area Healthcare Engineers

Kansas Healthcare Engineers Association

Louisiana Society for Healthcare Facilities Management



Congratulations to the 2024 Chapter Award Recipients!



Michigan Society for Healthcare Engineering
Minnesota Healthcare Engineers Association
MHA's Society for Healthcare Engineers and Facility Managers
Missouri Society for Healthcare Engineering
Nebraska Society of Healthcare Engineers
New England Healthcare Engineers Society
Oregon Society for Healthcare Engineering
Pennsylvania Society for Health Facility Engineering
Southeastern Michigan Society for Healthcare Engineering
Tennessee Healthcare Engineering Association
Tri-State Society of Healthcare Engineers, Inc.
Washington State Society for Healthcare Engineering

Congratulations to the 2024 Chapter Award Recipients!



Utah Society for Healthcare Engineering

Congratulations to the 2024 Chapter Award Recipients!



Hawaii Society for Healthcare Engineering

Congratulations to the 2024 Chapter Award Recipients!



Northern Ohio Society for Healthcare Engineering
Southern Illinois Chapter for Healthcare Engineering

Congratulations to the 2024 Chapter Award Recipients!



Central Illinois Chapter of Healthcare Engineers

Iowa Society of Healthcare Engineering

Oklahoma Association of Healthcare Engineers

South Carolina Society for Hospital Engineers

West Virginia Society for Healthcare Engineering

Chapter Awards Information

- 2024 Chapter Award Plaques
- 2024 Chapter Award Program Vouchers
 - Information on vouchers will be sent by December 2024.
 - Extended deadlines to claim vouchers.
- 2025 Chapter Awards
 - Criteria and application are under review.
 - 2025 Chapter Awards and Chapter Annual Report will be combined into one application.

ASHE, PGH, AAMC Academic Medical Center Sustainability Community

AMC Sustainability Interest Group

- Collaborative community supported by ASHE, the Association of American Medical Colleges (AAMC), and Practice Greenhealth
 - Bimonthly meetings to connect on critical topics of sustainability and climate action specific to academic medicine.
 - Online platform to connect, share, and learn virtually.
 - Over 285 current members.
 - In-person opportunities at national meetings such as CleanMed, ASHE Conferences, and AAMC Annual Meeting.

AMC Sustainability Interest Group

- Next event will be held, Tuesday, June 25th.
 - Recording is available in the online community
- If you, or members of your chapter, are affiliated with an Academic Medical Center and wish to get involved, reach out to awallace@aha.org for more details.

Sustainability Update

Weathering the Storm eBook

- Compilation of Facility Manager testimonies responding to climate-change driven natural disasters.
- Outlines decarbonization mandates from across the country.
- Offers best practices for preparation and mitigation.
- Examines how to tackle Scope 2 emissions.



Energy to Care Dashboard Updates

- Key update to inform Chapter Members:
 - Awards Verification Tab
 - Allows view of all buildings operated
 - Track awards eligibility
 - Application and document submission
 - Will be used to verify data
 - Award shipping information

ENERGY to care **H** ACME Hospital
divulge efficiency supports patient care

Data Analysis ▾ Manage Buildings Resources ▾ Help ▾

Facility Name (As it appears in Energy to Care Dashboard)	ETC Award Eligible (Eligible)	Sustainability Champions Eligible (Eligible)	Sustained Performance Award Eligible (Eligible)	Chapter Challenge Participant?	Facility Data Accuracy and Current (All awards)	Energy Data Accuracy and Current (All awards)	Water Data Accuracy and Current (All awards)	Greenhouse Gas Emissions Data Accuracy and Current (All awards)	Resilient Buildings Data Accuracy (All awards)	2018 Weather Normalized Source EUI	2019 Weather Normalized Source EUI	2021 Weather Normalized Source EUI	2022 Weather Normalized Source EUI	2023 Weather Normalized Source EUI	1-year Cool° Savings (10% Goal) (ETC Award)	1-year Cool° Savings (15% Goal) (ETC Award)	Previous Winner	1-year Hot° Winter Cool° Savings (15% Goal) (ETC Award)
ACME West	N	N	N														N	
3804 Terrace Trail	N	N	N														N	
5628 Shaker Rd	N	N	N														N	
ADH: Hospital	N	N	N														N	
Great Staff	N	N	N														N	
Orlando	N	N	N														N	
Park Hospital	N	N	N														N	
530 E Capital Blvd, Apt 100A	N	N	N														N	
Lost Cause	N	N	N														N	
Lydon	N	N	N														N	
Todd	N	N	N														N	
Acme Hospital 2	N	N	N														N	

Year: 2023 ▾ [Look Award Results](#) [Review Selected Result](#) [Export CSV](#)

ASHE AHA Data & Insight

Energy to Care Awards

- Award period is now closed.
 - Over 100 Energy to Care Winners
 - 136 Sustained Performance Winners
 - 21 Sustainability Champions
 - 2 Chapter Challenge Winners
- Recognition opportunities at the Health Care Facilities Innovation Conference next month.

Awards Breakdown by ASHE Region

	# of Sustained Performance Winners	# of Sustainability Champions Winners
Region 1	3	0
Region 2	11	1
Region 3	46	4
Region 4	6	1
Region 5	21	1
Region 6	17	11
Region 7	24	2
Region 8	0	0
Region 9	4	0
Region 10	4	1
	136	21

2024 Chapter Challenge

Results are in!!

14 Total Chapters Participated across 322 Facilities

Winner of the Small
Category is...

Arkansas Association for
Healthcare Engineering (AAHE)

Winner of the Large
Category is...

Texas Association of Healthcare
Facilities Management (TAHFM)

Get Involved Now

- Recruit all Chapter Members to participate in Energy to Care Program
- Free program
- Establishes benchmarking data
- Provides a management platform for energy usage

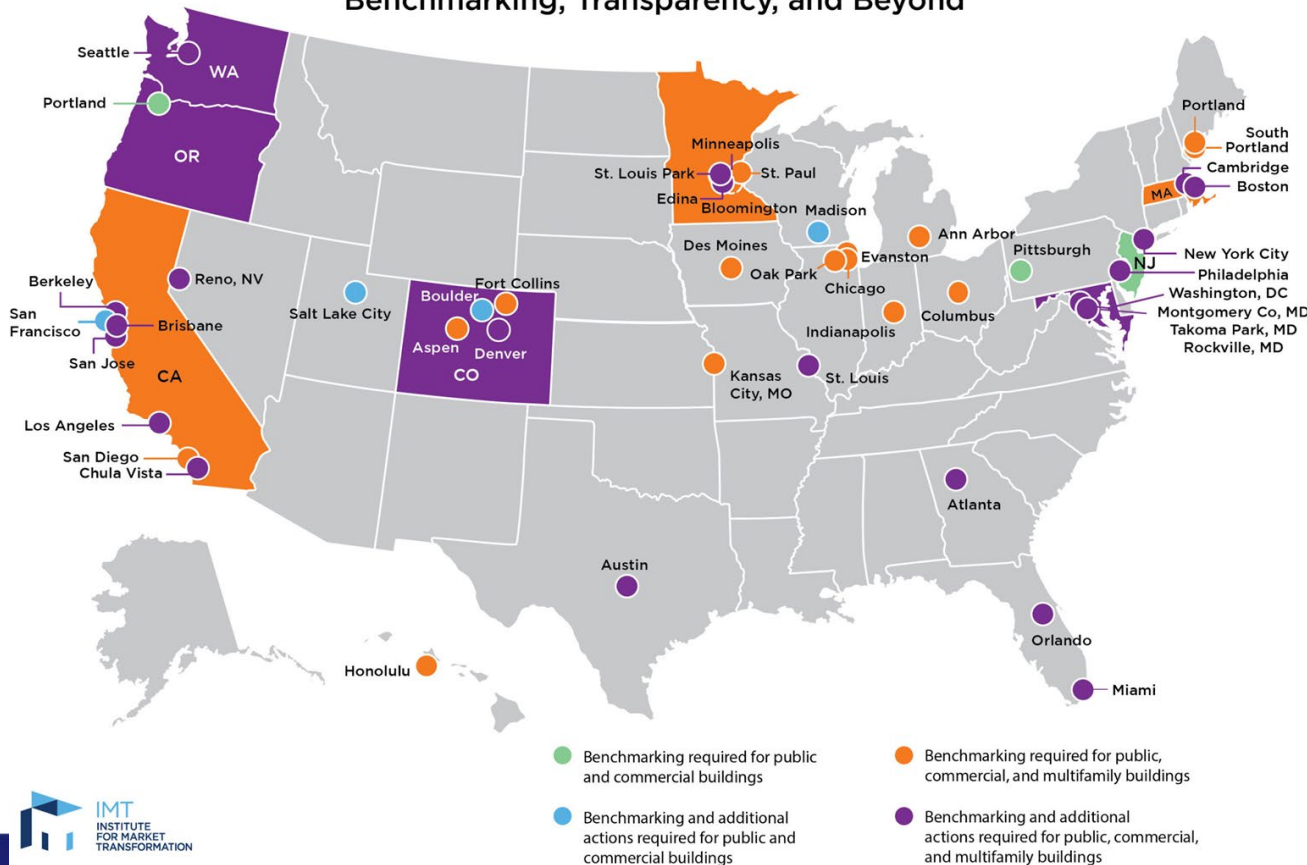
CAHED Advocacy Success

Benchmarking and Building Performance Standards

Required:

- State of Colorado (>50k SF)
- Denver (>25k)
- Boulder (Existing > 20k, New > 10k)
- Fort Collins (>5k)
- Aspen (>15k)

U.S. City, County, and State Policies for Existing Buildings: Benchmarking, Transparency, and Beyond



Technical Committee Mission

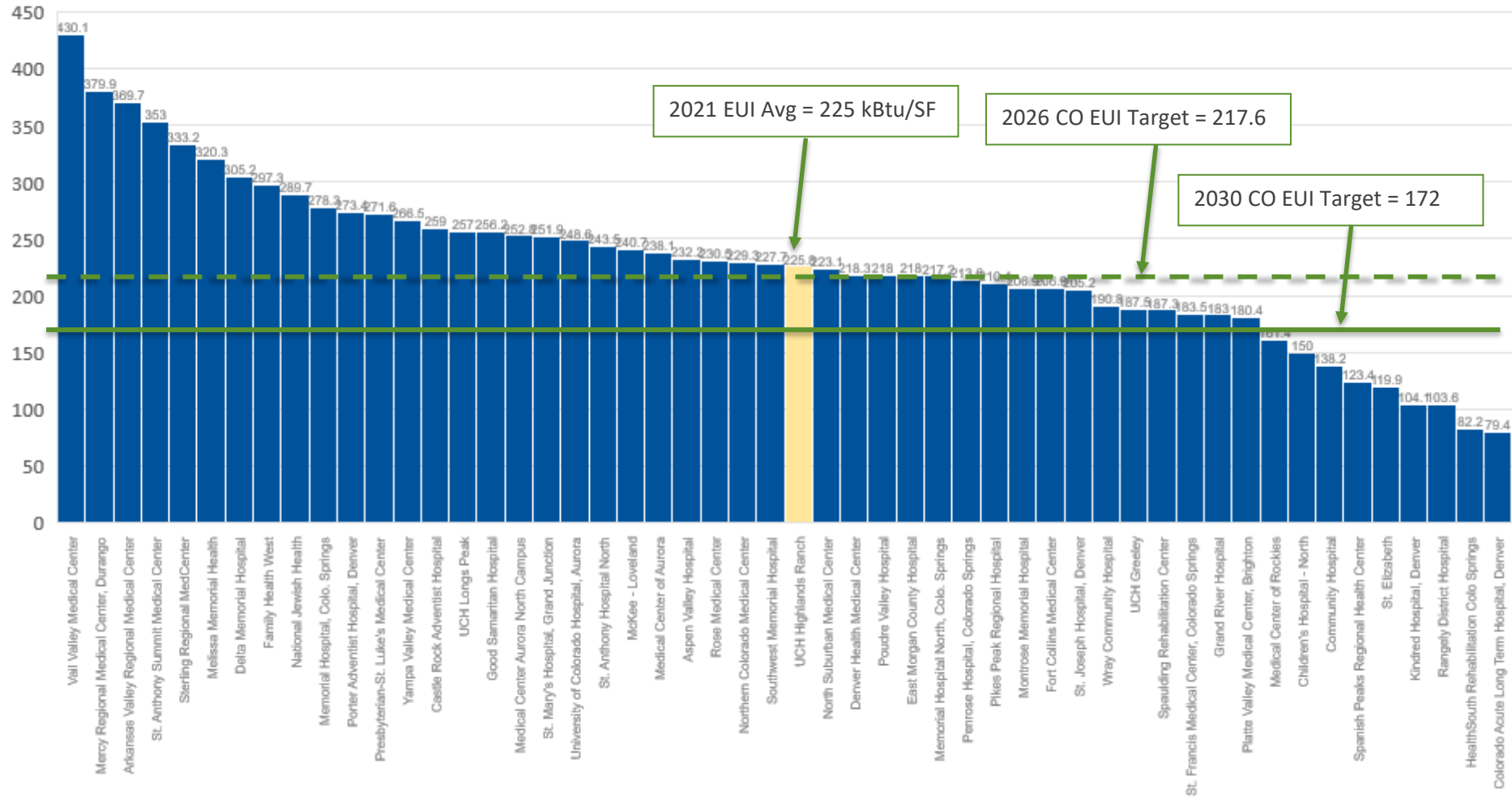
Provide technical resources to CAHED members related to state and municipal benchmarking/building performance mandates.

- Advocacy
 - Best Practices
 - Education/Training
 - Financial Support
 - Network of Providers
- 
- Benchmarking
 - Facility Assessment
 - Energy Audits
 - Low-Cost/No-Cost Measures
 - Equipment Upgrades
 - Renewables
 - Electrification

Advocacy (Compliance Path) – Hot Topics

1. Are the new EUI targets/timelines achievable?
2. What is an achievable compliance path for a hospital with an EUI of <200 (20% reduction), $201 < x < 250$ (30%), $251 < x < 300$ (38%), or >300 (38%)?
3. How does timing of audits, scheduled equipment replacement, and central plant upgrades affect timing for compliance?

2021 EUI Benchmark Data (CO Hospitals)

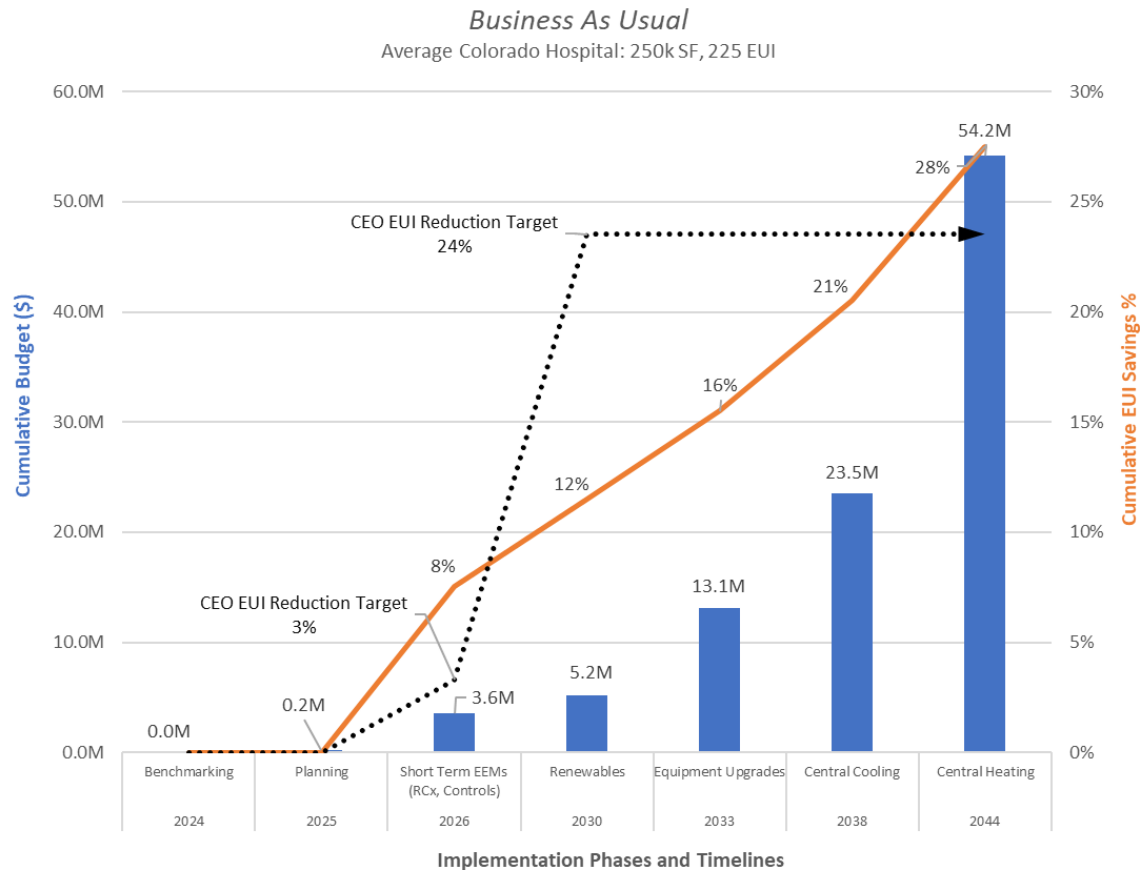
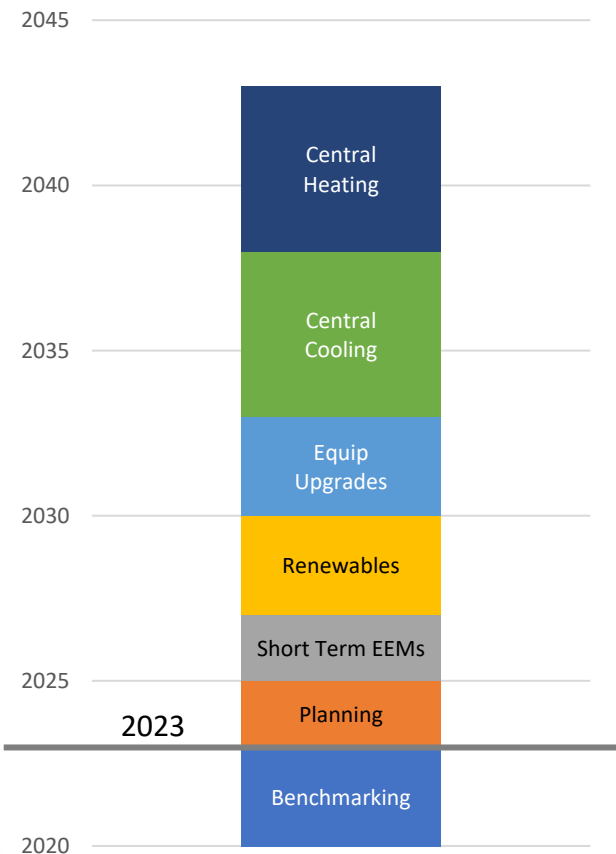


State of Colorado BPS Program – EUI Targets

Building Type	2026 Site EUI Target (kBtu/SF)	2030 Site EUI Target (kBtu/SF)	2026 GHG Target (kg CO ₂ /SF)	2030 GHG Target (kg CO ₂ /SF)
Hospitals	217.6	172.0	13.5	7.7
Ambulatory Surgical Center	79.2	63.5	4.9	2.8
Outpatient Rehabilitation/ Physical Therapy	79.2	63.5	4.9	2.8
Medical Office Building	76.7	64.9	4.8	2.9
Urgent Care/Clinic	76.7	64.9	4.8	2.9
Residential Care Facility	68.0	57.7	4.2	2.6
Senior Living Community	68.0	57.7	4.2	2.6

Building Performance Colorado: Draft Technical Resource Guide, Appendix A:
<https://drive.google.com/file/d/1ILFWHRdg95rwva7xKBOV3DSLdViAwOEer/view>

Compliance Approach – Timeline and Cumulative Budget



Benchmarking Services

Approach:

1. Provide outreach for benchmarking services
 - a) Leverage current relationships
 - b) How to identify and contact owners
 - c) Training materials
 - d) Connect to CAHED Portfolio Manager

Education/Training

Current Status:

1. Too many owners are not in the loop on policy changes, or technology and financial solutions to drive compliance
2. Need to provide solutions to building owners (FMs and C-Suite) to drive implementation on tight timeline.
3. Need to address potential negative culture behind policy/compliance approach.

Approach:

1. Create or collect training materials
2. Identify training approach (face to face, virtual)
3. Set up appointments and deliver training

Monthly Webinar Series

Dec. 2023. CEO Benchmarking/
BPS Program Intro. - Part 1.

Jan 18th. CEO BPS Program Part 2
- Compliance Strategies/Resources

Compliance Planning

Feb. 15th. Benchmarking

Mar. 21st. Compliance Planning

Apr. 18th. State Financial Programs

May 9th. Add'l Financial Programs

Technical Topics

June 13th. Lighting Retrofits

Jul-24. Retro-commissioning/Monitoring
Based Cx

Aug-24. Controls Upgrades

Sep-24. HVAC Upgrades

Oct-24. Renewable Systems

Nov-24. Cooling Systems

Dec-24. Plumbing/Hot Water Systems

Jan-25. Heating Systems

cahed.org/resource

CMS TEAM

Decarbonization and Resilience Initiative

TEAM

- Program to collect data on health care greenhouse gas emissions
- Encouraging all to participate to gather data
- Open for Public Comment
 - June 10th
- Program anticipated to run Jan 2026 until Dec 2030
- <https://www.cms.gov/team-decarbonization-and-resilience-initiative>
 - FAQs have information on how to make comments

ASHRAE Update

ASHRAE/ASHE 170 Errata

- Issued May 10, 2024
 - Table 7.1
 - Corrects FGI Reference for Radiology Waiting Room
 - Corrects Behavioral Health Seclusion Room Outdoor ACH to 2 and Total ACH to 4
 - Table 8.1
 - Corrects Sterilizer Equip Room Air Recirculation to NR
 - Corrects FGI Reference for Specialty IC Exam Room
 - Table 8-2
 - Corrects FGI Reference for Specialty IC Exam Room
 - Table 9-1
 - Corrects all 21-29 ° C Design Temps to 21-26 ° C

ASHRAE/ASHE 170 Existing Addenda

- Addendum k
 - Central System Language
 - Reviewing Public Comments
- Addendum m
 - Types of Room Units
 - Reviewing Public Review Comments
- Addendum o
 - Adding Spaces to Correlate Tables
 - Approved for Publication for Public Review

ASHRAE/ASHE 170 Upcoming Addenda

- Addendum p
 - Correlates Requirements for Similar Space Functions Across Tables
 - Approved for Publication for Public Review
 - June 14th – July 14th
- Addendum q
 - Emergency conditions to be considered in design
 - Approved for Publication for Public Review
 - June 14th – July 14th

ASHRAE/ASHE Guideline 43

- Second Public Review Complete
 - 53 comments Received
 - Reviewing Comments for Additions to the Guideline
- Vote on comment responses anticipated 24 June
- Publication anticipated by end of year

ASHRAE Standard 90.1

- Preparing for Republishing
 - Current Edition is 2022
 - Looking at significant changes
- Seeking Volunteers to do in-depth reviews of changes

NFPA Update

NFPA Technical Meeting

- Meeting to be held 20 June
 - NFPA 13
 - CAM 13-3 - Definition of qualified personnel - Opposed
 - CAM 13-4- Requirements for qualified personnel - Opposed
 - CAM 13-8 - Delete approved storage floor plan - Support
 - NFPA 80
 - CAM 80-2, 3 & 6 - Eliminate requirements for visual inspection of dampers – Support

NFPA 2027 Cycle

- Public Input Period Closed Yesterday
 - NFPA 99 PI's Submitted
 - Chapter 9 VMP
 - Medical Gas PI's
 - Critical and Equipment Branch Loads
 - Surgical Smoke Evacuation

NFPA 2027 Cycle

- Public Input Period Closed Yesterday
 - NFPA 101 PI's Submitted
 - EPSS
 - Electric Vehicle Charing
 - Medical Gasses
 - Low Frequency Alarm Notification

ICC Update

Code Action Hearing #1 Results

- Held in Orlando last April
 - ICC CHC
 - Submitted 14 Proposals – 9 Approved
 - Supported 11 Proposals – 8 Approved
 - Opposed 24 Proposals – 19 Disapproved

Code Action Hearing #1 Results

- ABHR's - Approved
 - 4 Proposals Approved as Submitted
 - Clarified location of dispensers in corridors
 - Coordinated dispenser sizes with LSC
 - Exempted need for permit if in compliance
 - Increased MAQ amounts

Storage Location	Sprinklered	Nonsprinklered
Open storage areas	60 Gal	30 Gal
Non-dedicated storage room with 1-HR fire separation	240 Gal	60 Gal
Non-dedicated storage room with 2-HR fire separation	360 Gal	240 Gal
Dedicated storage room	360 Gal	240 Gal
Dedicated storage room with 1-HR fire separation	600 Gal	240 Gal
Dedicated storage room with 2-HR fire separation	720 Gal	240 Gal

Code Action Hearing #1 Results

- Control Vestibules - Approved
 - Interlocked doors in series
 - Pharmacy Compounding
 - BioLabs
- Carbon Monoxide Detection - Approved
 - Rewrite of entire section
 - Cleaned up ambiguities and conflicts
 - Coordinated language with NFPA
 - Aligned changes with 2024 ICC Cycle changes

Code Action Hearing #1 Results

- Definition of Clinical Need - Disapproved
 - Defines term to avoid confusion
 - A known care or welfare risk to care recipients that necessitates an enhanced level of safety or security
 - Committee concerns around security
- Medical Gases - Approved
 - Duplicated Compressed Gas Table to Medical Gas System Section
 - Duplication of information not ideal
 - Conflicts with currently allowed amounts per NFPA 99

FGI Update

FGI Update

- First Draft to be Issued
 - July 1st 2024
- Will need review and input from all

CMS Update

CMS Update

- Currently working with CMS regarding update to 2024 editions
 - Have requested additional stake holders to contact CMS
- Chapters please send letters requesting update to CoPs
 - Address letters to CMS supporting adoption of 2024 editions of NFPA 99 and 101
 - Send to:
 - Dora.Hughes@cms.hhs.gov
Chief Medical Officer, Director, Center for Clinical Standards and Quality US Department of Health & Human Services
 - Lisa.Parker@cms.hhs.gov
Director, Division of Institutional Quality Standards, Clinical Standards Group US Department of Health & Human Services

2024 Meeting Dates and Upcoming Events

2024 Chapter Leader and Liaison Calls

2024 CL/L Call Dates

Q3: Wednesday, September 4, 2024

Q4: Wednesday, December 4, 2024

All calls begin at 12:05 noon CT.

*Call reminders – Chapter Calendar and the
Liaison SharePoint site*

ashe.org/chapters/calendar

Upcoming Events



**HEALTH CARE FACILITIES™
INNOVATION CONFERENCE**

July 21-24, 2024 | Anaheim, CA

Save the Date!



Action Items

- Chapter (and other interested organizations) send letter to CMS
- Promote Energy to Care to all health care organizations
- Engage in public reviews
 - FGI First Draft Report
 - NFPA Public Inputs
 - ASHRAE Public Reviews
 - CMS TEAM

Questions or Discussion?





Thank you!

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