



*Optimizing health care facilities*

# Q4 ASHE Chapter Liaison Leadership Call

6 December 2023

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a professional membership group of the American Hospital Association  
155 N. Wacker Drive, Suite 400 | Chicago, IL 60606  
ashe.org | ashe@aha.org | 312-422-3800



# Agenda

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- Welcome to Jenny Hull
- HCFM Handbook & Education Series
- NFPA Update
- CMS Update
- Energy Benchmarking Report
- ASHRAE Update
- 2023 Chapter Award Vouchers
- FGI Update
- Sustainability Accelerator Tool
- Important Chapter Deadlines
- Decarbonization Webpage
- ICC Update
- 2023 Meeting Dates and Upcoming Events

# Liaison Slide Deck

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



# Welcome!

## Jenny Hull

Lead Specialist, ASHE Governance and  
Chapter Relations

[jhull@aha.org](mailto:jhull@aha.org)

312-422-3831

# HCFM Handbook & Education Series

# ASHE's Competency Framework

## Health Care Facility Manager Competencies

### Administration

- Policies
- Capital Planning
- Labor
- Safety
- Strategy

### Finance

- Contract Management
- Capital Equip.
- Budget
- Property and Equipment Lease
- Bidding

### Healthcare Project Management

- Planning
- Infection Prevention
- Design
- Life Safety During Construction
- Bidding
- Construction

### Maintenance & Operations

- Utilities
- Maintenance Programs
- Operations
- Scheduled Work
- Low Voltage
- Preventative Maintenance
- RCM
- Record Keeping

### Compliance

- Managing Compliance
- Accreditation
- Local Compliance
- Emergency Preparedness

### Sustainability

- Effects of Sustainability
- Program Development
- Areas of Sustainability
- Technology

### Energy Management

- Benchmarking
- Program Development
- Technology

### Assessing Risk

- Determining Risk
- Risk in Patient Care
- Risk in Facilities Management
- Fire & Life Safety Risk
- Risk during PDC

# HFM Handbook/Education Series and the Competencies

Health Care Project Management	Compliance	Finance	Administration	Maintenance & Operations	Assessing Risk	Sustainability and Energy Management
Book/Edu release: Q2'23/Q1'24	Q2/Q3 2024	Q3/Q4 2024	Q4 2024/Q1 2025	Q1/Q2 2025	Q3 2025	Q3/Q4 2025

Other installments:

\*Intro to Health Care Facilities Management – 2020

\*Qualifications – Q4 2025/Q1 2026



HANDBOOK



E-LEARNING



IN PERSON

**Want to help? Volunteer as a subject matter expert by contacting:**

[cdimick@aha.org](mailto:cdimick@aha.org)

# NFPA Update / Advocacy



# ASHE Membership Representation

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**ASHE monitors 82 NFPA Standards** related to Health Care (mostly referenced from 99 & 101)

ASHE has proposed over 300 changes on NFPA standards since 2012 (90% approval)

ASHE Representatives on 25+ NFPA Technical Committees

Tim Adams 72

Chad Beebe 55, 70, 80, 82, 99, 101, 105, 1660, 3000, HITF

Krista Biason 70

Josh Bracket 72, 99, 101, 110, 111

Dave Dagenais 99, HITF

Jonathan Flannery 90A, 90B

Leah Hummel 99, 101A

Sue McLaughlin 99

Lennon Peake 10

Jim Peterkin 13, 241

Ron Smidt 99, 110, 111

# NFPA 99 - Health Care Facilities Code

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- 2021 vs. 2024 Edition Med Gas Limitations
- OR Surgical Smoke Removal
- Oxygen Concentrators
- Corrugated Medical Tubing
- Med Gas Responsible Facility Authority
- Med Gas Permit to work system
- Technology other than Generators allowed for Essential Electrical Systems

# NFPA 101 - Life Safety Code

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- No maintenance of non-required fire doors required
- No 30 day exit sign inspection
- No ABHR refill test and sign off
- Private operating mode clarified
- Limitation on number of trash cans removed, density requirements removed
- Temporary flame resistant plastic barriers allowed
- 40,000 s.f. Compartments allowed in new and existing

# NFPA 70 - National Electrical Code

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- Normal vs Alternate Power
- "Emergency Power" removed
- Reduced generator / fuel storage sizing requirements
- Healthcare Microgrids defined and allowed
- Changes coordinated with all changes in Ch. 6 NFPA 99

# NFPA Health Care Interpretations Task Force

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- Health Interpretations Task Force Meeting
  - Held every June, unless special meeting is called
  - Representatives of TJC, DNV, CHIQ, DOD, VA, ASHE, and others
  - Meeting minutes have not yet been published
  - Topics included hazardous storage rooms in business and ambulatory occupancies, zone valve locations, cross corridor door latching, multiple-outlet connections, and levels of sedation, Spare breaker "On" / "Off" position and more...
  - Submit questions for HITF to [cbeebe@aha.org](mailto:cbeebe@aha.org)

# CMS Updates

# Conditions of Participation

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- ASHE is Advocating for 2024 editions of NFPA 99 and 101 to be adopted
- We have been working with CMS, AHA, AORN, AHCA, ICC and NFPA to begin the process

## 2024 Valuable Improvements

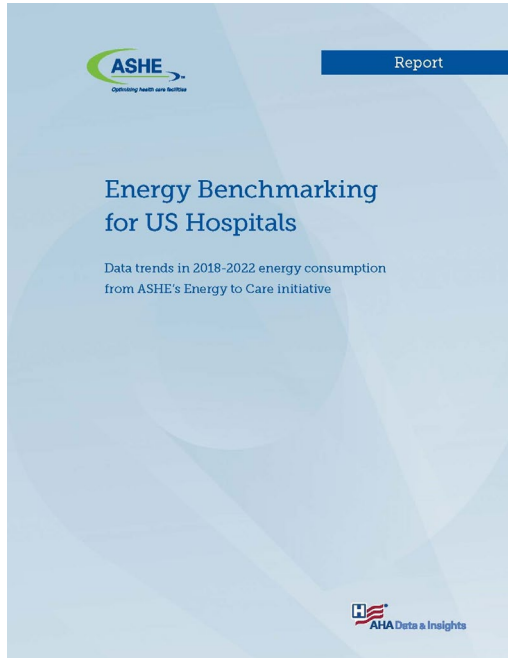
- Lessons learned from pandemic
- Closer alignment with International Building Code
- New Technology
- Microgrids
- Supports changes in ventilation requirements
- Reduce compliance burden

# Energy Benchmarking Report



# Energy Benchmarking for US Hospitals

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- Examines how health care facility's energy reduction efforts compare to national benchmarks.
- Utilizes data collected from nearly 1,000 general medical and surgical hospitals from around the country.

# ASHRAE Update

# ASHE Membership Representation

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## ASHE Partnership Documents with ASHRAE

- Standard 170
- Guideline 43
- Standard 189.3

## ASHE Representation on ASHRAE Standards

- Standard 188
- Standard 514
- Standard 90.1
- Standard 100

## ASHE Representatives

Russel Olmsted  
Robert Booth  
Leah Hummel

Tim Peglow  
Kara Brooks  
Jonathan Flannery

# ASHRAE/ASHE 170

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- ASHRAE/ASHE 170 Ventilation for HC Facilities
  - No current addenda open for comment
- Current CMP's being evaluated
  - Room Recirculation
  - Sterile Processing Spaces
    - Sterilizer Equipment Room
  - OR HEPA Location

# ASHRAE/ASHE Guideline 43

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- Guideline 43 - Operations Guideline for Ventilation of Health Care Facilities
  - PURPOSE: The purpose of this guideline is to provide recommendations for the operation of heating, ventilation and air conditioning (HVAC) systems that provide environmental control in health care facilities for the safety and comfort of health care facility occupants.
  - 1<sup>st</sup> Public Review Closed 20 November
    - 13 Commenters with 58 Comments submitted
    - Work Group in process of evaluating all comments
  - Anticipate a 2<sup>nd</sup> Public Review after Winter Meeting in January

# ASHRAE 100

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## Energy Efficiency in Existing Buildings

- Provides greater guidance and a more comprehensive approach to the retrofit of existing buildings for increased energy efficiency, and brings the standard in line with other published ASHRAE documents, specifically Standard 90.1-2013, and 2011 ASHRAE *Handbook – HVAC Applications*
- Most recent version
  - **Coming out January 2024**
- Building Performance Standard
  - Contains both energy and greenhouse gas targets

# ASHRAE Public Review

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- Watch for notices within



## CODES & STANDARDS

### The latest ASHRAE updates

Updates from ASHRAE include public commenting on an energy-efficiency standard and progress on a new standard for management of building water systems.

[ASHRAE](#)



[Read More »](#)

# 2023 Chapter Award Vouchers



# 2023 Chapter Award Vouchers (For work accomplished in 2022)

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**NEW – Chapters will claim vouchers online; no paper forms to complete and send in.**

- Registration fee vouchers for the Health Care Facilities Innovation Conference (HFIC) – **registration code to be sent in 2024**
- Certification exam fee vouchers for the CHFM and/or CHC
- Membership fee vouchers
- Publication vouchers

**Instructions coming via email next week and posted online.**

# FGI Update

# ASHE Membership Representation

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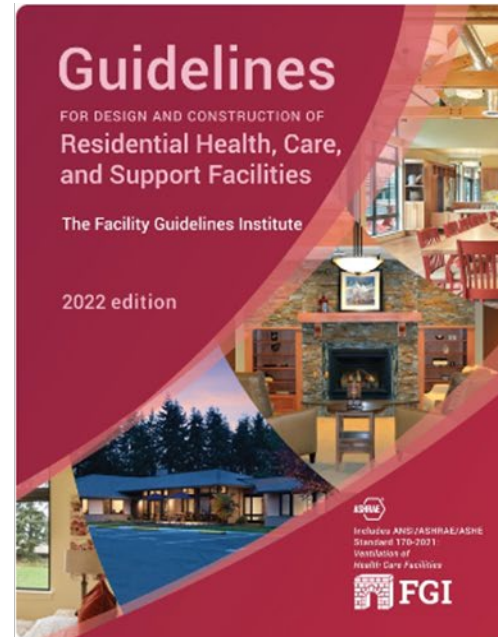
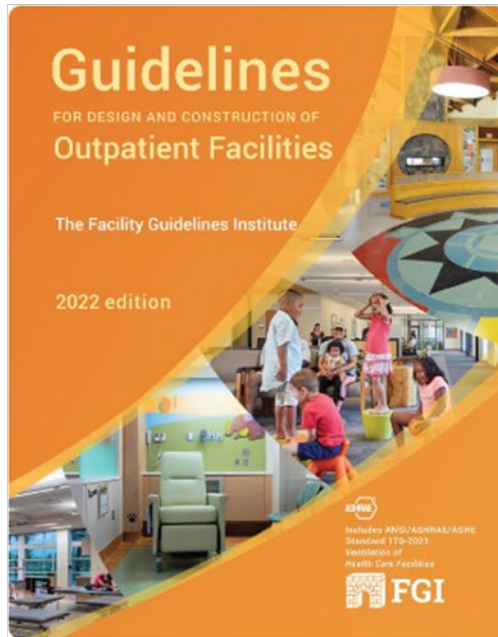
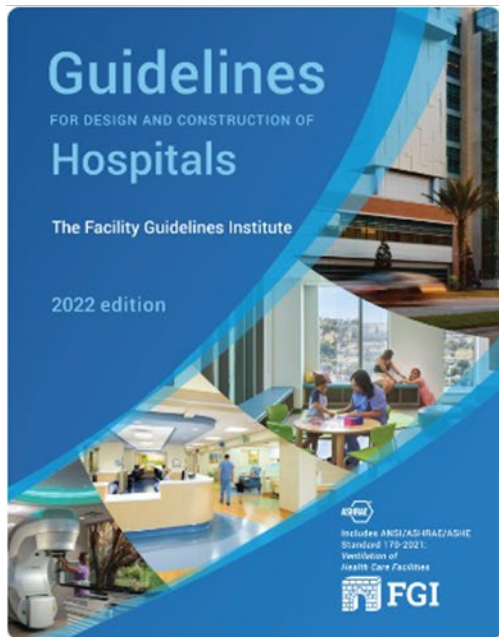
ASHE's Senior Associate Director of Regulatory Affairs, Leah Hummel, is serving on the **FGI Steering Committee** for the 2026 Revision Cycle.

Leah and Dave Dagenais, ASHE Member and Faculty, are serving on the **Healthcare Guidelines Revision Committee** (HGRC) representing ASHE.

Several other ASHE members are serving on the **HGRC** as well representing themselves or their organization.

# Facility Guidelines Institute

## Updated Every 4 Years



# 2026 Revision Cycle

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- ✓ February-June 2023      Public Proposal Period
- ✓ July-September 2023    Proposal Review and Comment
- **October-Dec 2023**      **HGRC Votes on Proposals**
- April-June 2024          First Draft
- July-September 2024     Public Comment Period
- Dec 2024-Jan 2025       HGRC Voting on Comments
- May-October 2025        Final Manuscript
- November 2025            HGRC Voting on Final Manuscript
- April 2026 2026            Guidelines Published

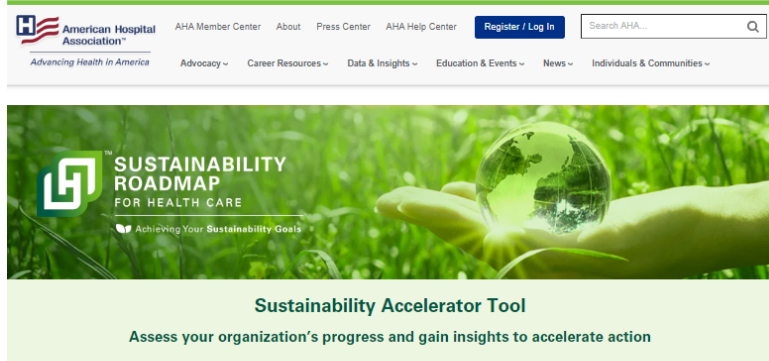
# Health Guidelines Revision Committee

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- HGRC is currently voting on the 2026 Proposals
  - 590 Hospital Document proposals
  - 406 Outpatient Document proposals
  - 426 Residential Document proposals
- HGRC will meet in San Diego April 23-26, 2024
- First draft will be available 2<sup>nd</sup> Quarter 2024
- Users may comment on the 1<sup>st</sup> Draft in 3<sup>rd</sup> Quarter 2024

# Sustainability Accelerator Tool

# Sustainability Accelerator Tool



The screenshot shows the top navigation bar of the American Hospital Association website. The main banner features a hand holding a globe with the text "SUSTAINABILITY ROADMAP FOR HEALTH CARE" and "Achieving Your Sustainability Goals". Below the banner, the "Sustainability Accelerator Tool" is highlighted with the subtext "Assess your organization's progress and gain insights to accelerate action".

- <https://www.aha.org/sustainability/sustainability-accelerator-tool>

## Learn How You Compare to Organizations Worldwide

The International Hospital Federation's Geneva Sustainability Centre has collaborated with Deloitte to launch a new platform to digitally empower hospitals and health care leaders to drive sustainable, low-carbon, equitable, and resilient healthcare.

The Sustainability Accelerator tool (SAT) is a subscription-based program that enables executives to report a hospital's performance against core indicators and compare it to other health care organizations worldwide. The SAT provides hospital and health care executives with a comprehensive solution to assess organizational sustainability maturity and track progress against key performance indicators.



**Deloitte.**

*"Working to reduce the environmental impact from hospitals fits squarely into the mission of hospitals and health systems – that is to care for, serve and advance health for their communities. At the AHA, we recognize the progress being made in the hospital field to reduce emissions and promote environmental stewardship, social equity and fiduciary responsibility to support healthy and resilient environments. We're pleased to be promoting this new SAT to our members to accelerate this effort."*

**Michelle Hood**  
EVP, COO of AHA





# Important Chapter Processes and Deadlines

# Important Chapter Processes and Deadlines

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**Chapter Annual Reports – DUE January 31, 2024**  
**Chapter Award Applications – DUE April 1, 2024**

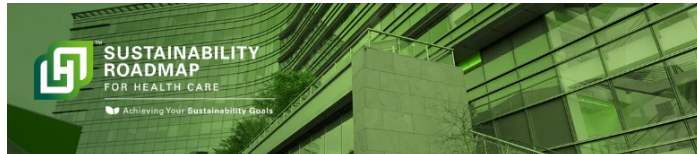
Based on survey data and your anecdotal feedback:

- Minimize use of SharePoint (we may stop altogether)
- Make processes more user-friendly; faster and easier to complete
- Make “entry points” easier to find

**More information coming soon via email and online**

# Decarbonization Webpage

# ASHE Decarbonization Webpage



## Decarbonizing Health Care Facilities

ASHE's position on decarbonization in the U.S. health care footprint is an important and necessary step to mitigating the effects of climate change. ASHE supports the decarbonization of health care and is dedicated to leading the field by providing tools and resources to both reduce the health care carbon footprint and to inform public policy. ASHE intends to advance thoughtful approaches to climate change that take into consideration the unique regulatory environment within which hospitals and health systems operate. ASHE is dedicated to help health care organizations to become more sustainable by adopting environmental, social, and fiduciary practices that support healthy, equitable, and resilient environments and communities.

SUSTAINABILITY ROADMAP FOR HEALTH CARE

Sustainability for Health Care Facilities | Glossary | HeatQuest™

## Discover Emissions Sources

State and Local jurisdictions across the US are setting environmental sustainability and decarbonization goals and targets for commercial buildings. Buildings including health care facilities, are being held accountable for tracking their energy consumption and greenhouse gas emissions. This chart displays hospital specific emissions as they relate to departments.

### Scope 1 Direct emissions emanating directly from health care facilities and health care owned vehicles.

- Combustion of Natural Gas
- Combustion of Diesel Generators
- Emissions from Refrigerants
- Medical Gas System leaks and exhaust
- Landscape and misc equipment emissions
- Fleet Fuel combustion

### Scope 2 Indirect emissions from purchased energy sources such as electricity, steam, cooling and heating.

- Emissions from purchased energy

### Scope 3 Emissions derived from health care supply chain through the production, transport and disposal of goods and services.

- Water Embodied Carbon
- Building Product/Supplies Embodied Carbon
- Patient Transportation
- Visitor Transportation
- Staff Transportation
- Vendor Transportation
- Equipment Embodied Carbon
- Supplies Embodied Carbon
- Waste
- Pharmaceuticals Embodied Carbon
- Food Embodied Carbon
- Investments
- Emissions of Outsourced Services

### Hospital Specific Emissions by Department

- Facilities
- Transportation
- Procurement, Clinicians, Clinical Engineering
- Environmental Services (EVS)
- Pharmacy, Procurement, Environmental Services (EVS)
- Dietary
- Treasury
- All

- Examines health care related emissions sources
  - Categorized by Scope and Hospital Department
- In-depth emission source articles coming soon
  - Articles provide:
    - Descriptions
    - How to Measure and Report
    - How to Manage

# ICC Update

# 2027 Code Cycle Efforts

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- Definition for Clinical Need
  - Clinical need. A known care or welfare risk to care recipients that necessitates a higher level of safety or security
- Occupiable Roof Guard Height
  - Allow higher than 48” for protection of occupants
  - Align with IEBC
- Group I-1 door closers
  - Consistency with NFPA 101
- Carbon Monoxide Detection
  - Align with IEBC

# 2027 Code Cycle Efforts

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- Allowance of Natural Ventilation
  - Based on ASHRAE/ASHE 170 reference
- Update of Outpatient Ventilation Rates
  - Based on updated ASHRAE/ASHE 170
- ABHR
  - Revisions based on current practices
  - Establish a MAQ for ABHR
- RPT's and UL962a
  - Furniture Power Distribution Units
- “Controlled Vestibules”
  - Possible usage:
    - Pharmacy Clean Rooms, HID Rooms

# 2024 Meeting Dates and Upcoming Events



# AMC Sustainability Interest Group

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- 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 150 current members.
  - In-person opportunities at national meetings such as CleanMed, ASHE Conferences, and AAMC Annual Meeting.

# AMC Sustainability Interest Group

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- Next event will be on **Tuesday, December 19th** at 2pm Central
  - Session will be recorded but registration in advance is required to gain access.
- If you are with an Academic Medical Center and want to get involved, please reach out to [awallace@aha.org](mailto:awallace@aha.org) for more details.



# 2024 Chapter Liaison and Leadership Calls

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## 2024 CL/L Call Dates

Q1: Wednesday, March 6, 2024

Q2: Wednesday, June 5, 2024

Q3: Wednesday, September 4, 2024

Q4: Wednesday, December 4, 2024

*All webinars begin at 12:00 noon CST.*

*Webinar reminders - myASHE Community and  
Liaison SharePoint site*

**Don't forget the many ASHE on-line educational opportunities**  
**[ashe.org/calendar](https://ashe.org/calendar)**

# Upcoming Events

**Registration Open!**

Save your spot at the 2024 PDC Summit! Advance the health care built environment alongside thousands of professionals from all disciplines of health care planning, design and construction.

[Learn More](#)



**PDC  
SUMMIT  
San Diego  
March 17-20**

The graphic features the text 'PDC SUMMIT San Diego March 17-20' in a purple and yellow color scheme. To the right of the text is a stylized 3D graphic of three stacked rectangular blocks in blue, purple, and yellow. The entire graphic is framed by a purple border.

**Registration for ASHE Academy 2024 Open Now**

Take advantage of Early Bird discounts when you register now for ASHE Academy 2024! Learn from leading experts, explore factors unique to your field and study how to implement effective strategies to improve your health care facilities.

[Register Today](#)



**Indianapolis May 6-10, 2024**

**ASHE Academy**

The graphic features a photograph of a man in a suit sitting at a table with a laptop and water bottles. The background is a blue and white molecular or network diagram. The text 'Indianapolis May 6-10, 2024' is in large blue font, and 'ASHE Academy' is in blue and green font with a logo of a network of nodes.

# Upcoming Events

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## **HEALTH CARE FACILITIES™ INNOVATION CONFERENCE**

July 21-24, 2024 Anaheim, CA

# Questions or Discussion?

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# Thank you!

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