



Optimizing health care facilities

Q1 ASHE Sustainability and Advocacy Liaison Webinar

9 March 2021

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a professional membership group of the American Hospital Association
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Agenda

1. Welcome NEW Liaisons!
2. NFPA Update
3. Sustainability Data
4. FGI Update
5. Energy to Care Awards and Chapter Challenge
6. ASHRAE Update
7. Energy Procurement
8. Sustainability Collaboration
9. ICC Update
10. Sustainability Hosted Programs
11. 2021 Webinar Dates
12. Upcoming Events



Liaison Slide Deck

This slide deck will be shared in the myASHE Liaison Community. The slide deck is intended to be used by the liaisons only 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 NEW Liaisons!



New Liaison Next Steps

- Step 1: You made it here!
- Step 2: Contact Benjamin Leutze (bleutze@aha.org)
- Step 3: Review content on the community
- Step 4: Ask questions
- Step 5: Start a conversation
- Step 6: Attend meetings
- Step 7: Report to your chapter



Updates posted regularly on myASHE

The screenshot shows the myASHE online member community website. At the top, there is a navigation bar with links for "Contact Us", "Code of Conduct", "ASHE Website", and a user profile icon. Below this is a dark blue header with "Home", "Communities", "Directory", "Browse", "Participate", and "Volunteer" options, along with a search bar. The main content area is titled "ASHE SUSTAINABILITY LIAISONS" and includes a "SETTINGS" button. Below this, there are tabs for "COMMUNITY HOME", "DISCUSSION 2", "LIBRARY 4", and "MEMBERS 49". The "LATEST DISCUSSION POSTS" section features two posts:

- 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

The "WELCOME" section features a post by Kara Brooks, MS, LEED AP BD+C, ASHE Sustainability Program Manager, with the text: "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



NFPA Update

2024 Code Change Suggestions





NFPA 99 HCFC and 101 LSC

- 2021 Editions now available
- 2024 Edition open for Public Comment
 - Public Input Closing Date: 1 June 2021
 - First Draft Report Posting Date 22 March 2022
- If you have issues now is the time to submit public comment!
 - <https://www.ashe.org/commentdevideos>
- If you have questions/concerns with language submit RFI to HITF
 - <https://www.nfpa.org/Codes-and-Standards/Standards-development-process/Technical-Committees/Advisory-and-Non-NFPA-Committees/Healthcare-Interpretations-Task-Force#INTERPRETATIONS>

NFPA 99 HCFC and 101 LSC

- Review Team
- Developing a document to show changes from 2012 edition to 2021 edition
- Volunteers given specific sections to review
- More volunteers the less work any one individual will need to do

Table 7-1 Design Parameters—Inpatient Spaces (Continued)

Function of Space (e)	Pressure Relationship to Adjacent Areas (b)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turnaround	Minimum Filter Efficiency (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
Operating/surgical cytotoxic rooms (FGI 2.2.3.4.4), Table 2.2.2; also see Class 3 Imaging (m), (o)	Positive	4	20	NR	No	Yes	MERV-16	20-60	68-75/20-24
Patient care area corridor	NR	NR	2	NR	NR	Yes	MERV-14	NR	NR
Patient room (FGI 2.1-2.2.2)	NR	2	4 (1)	NR	NR	Yes	MERV-14	Max 60	70-75/21-24
Patient toilet room (FGI 2.1-2.3.5.4, 2.1-2.3.6)	Negative	NR	10	Yes	No	Yes (1)	MERV-5	NR	NR
PE anteroom (FGI 2.2-2.4.4.1)	(1)	NR	10	NR	NR	No	HEPA	NR	NR
Phase I PACU and Phase II recovery (FGI 2.1-3.4.2.6, 2.1-3.4.3)	NR	0	0	NR	NR	Yes	MERV-14	20-60	70-75/21-24
Procedure room (Table 7.2-1) (o), (d)	Positive	3	15	NR	No	Yes	MERV-14	20-60	70-75/21-24
Protective environment room (FGI 2.2.2.2.4.0, t)	Positive	2	12	NR	No	No	HEPA	Max 60	70-75/21-24
Radiology waiting rooms (FGI 2.2.3.4.10.1)	Negative	2	12	Yes (q), (w)	NR	Yes (1)	MERV-5	Max 60	70-75/21-24
Section room (FGI 2.1-2.4.1)	NR	0	4 (1)	NR	NR	Yes	MERV-14	Max 60	70-75/21-24
Serum processing room (FGI 2.2-3.3.6.1)	NR	0	0	NR	NR	Yes	MERV-8 (2)	NR	NR
Treatment room (FGI 2.2-3.1.2.6) (p)	NR	2	6	NR	NR	Yes	MERV-5	20-60	70-75/21-24
Wound intensive care (burn unit)	Positive	2	6	NR	No	Yes	HEPA	40-60	70-75/21-24
BEHAVIORAL AND MENTAL HEALTH FACILITIES (k)									
Patient bathroom, resident room (FGI 2.2-2.1.2.2.4, 2.1-2.2.2)	NR	0	0	NR	NR	Yes	MERV-5	NR	NR
Section room (FGI 2.1-3.4.3.6, 2.1-3.4.3)	NR	0	0	NR	NR	Yes	MERV-5	NR	NR
DIAGNOSTIC AND TREATMENT									
Bronchoscopy, sputum collection, and pentamidine administration (FGI 2.2-3.9.2) (n), (x)	Negative	2	12	Yes	No	Yes	MERV-14	NR	68-73/20-23
Class 1 Imaging room (FGI 2.2-3.4.1.1, A, Table 2.2-2)	NR (1)	0	0	NR	NR	Yes	MERV-5	Max 60	72-78/22-26
Class 2 Imaging room (FGI 2.2-3.4.1.2, A, Table 2.2-2) (4), (p)	Positive	0	15	NR	NR	Yes	MERV-14	Max 60	70-75/21-24
Class 3 Imaging room (FGI 2.2-3.4.1.3, A, Table 2.2-2) (m), (q)	Positive	0	20	NR	NR	Yes	MERV-16 (2)	20-60	68-75/21-24
Dialysis treatment area (FGI 2.2-3.10.2)	NR	0	0	NR	NR	Yes	MERV-5	NR	72-78/22-26
Dialysis reproprocessing room (FGI 2.2-3.10.3.10)	Negative	NR	10 (2)	Yes	No	Yes (1)	MERV-5	NR	NR

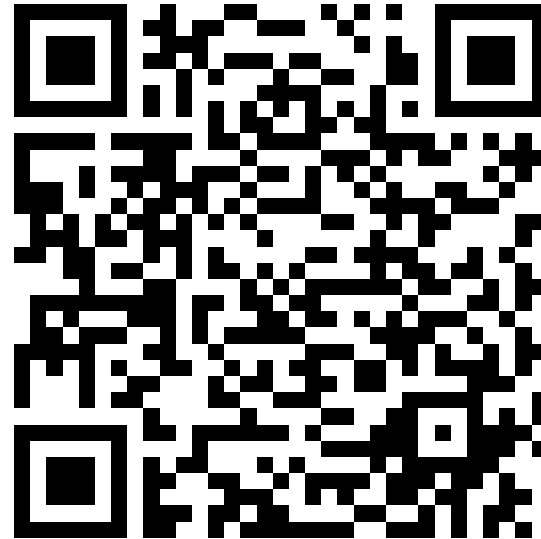
Informative Notes: (1) NR = no requirement; (2) FGI paragraph numbers are shown in parentheses in the "Function of Space" column.





NFPA 99 HCFC and 101 LSC

- Needs to be completed by end of April
- Will help in advocacy efforts





Sustainability Data and the C-Suite

Definition of Sustainability

What is Sustainability in health care?



Energy to Care Data

Get the word out!

- C-Suite Reporting
- Make sure data is current and verifiable.



Getting Started - <https://www.energytocare.org/dashboard>

Energy to Care Dashboard Adding value to your organization



Access Dashboard



Using the Dashboard

[Access Dashboard](#)

[About Dashboard](#)

[Create a New Account](#)

[How to Use the Dashboard](#)

About Dashboard

ASHE has developed a new Energy to Care Dashboard Tool offering an at-a-glance view of the facility's energy use. Designed to reduce user burden, the new Energy to Care dashboard is easy to use.

There's a misconception that sustainability programs and energy management are time consuming, but they don't have to be. Sometimes the biggest impact to energy savings are made with simple changes. With the Energy to Care Dashboard's benchmarks and monitoring, it only takes 15 minutes a day to impact around half of your facility's budget.

The new dashboard includes a number of features that will provide added benefits to Energy to Care participants, including:



Create a New Account

About Dashboard

Create a New Account

How to Use the Dashboard

How to Create a New Account

You will need the following information to sign up:

- Organization Administrator Name (See [A Note About Energy to Care Dashboard Roles](#))
- Organization Name (Company Name)
- Address
- Telephone
- Email
- Building Name
- Building Address
- Location Type (General Medical and Surgical, Medical Office Building, etc.)
- Time Zone

To create a new account, click the "Access Dashboard" button below and complete the following steps:

Access Dashboard

1. The button will take you to the Energy to Care Dashboard gateway.
2. Select "Create New Account" under the User Name and Password forms.
3. Select "Request New Organization" to begin the onboarding process.
4. Fill out the Personal Account Information and Organization Information, then Submit Request. Once your organization has been approved, you will receive access to create a building in your account.

Once your organization has been approved, you will receive access to create a building in your account.

A Note About Energy to Care Dashboard Roles

The new Dashboard provides four possible roles for each Energy to Care User Account:

1. **Existing Organization Administrator:** Select this if you are your organization's existing ENERGY STAR Property Data Administrator.
2. **New Organization Administrator:** Select this if you did not have data shared with ASHE via ENERGY STAR Portfolio Manager.
3. **New Subscriber:** Select this if you are requesting access to buildings in existing organizations.
4. **Existing Subscriber:** Select this if you are requesting access to new hospital buildings in their organization.

The **Organization Administrator** will manage the account for all buildings associated with the organization. Additionally, this individual will allow for subscriber rights to other users, including other organization members and any partner companies that might need access.

A Note About Data Sharing

Your data will not be distributed or shared with any other entity without the express written consent of the participating health care system. [Click here](#) to review the Energy to Care Data Use Policy. In some instances facilities find it necessary to share their accounts with individuals outside of their organization. In these events, ASHE requires express written consent from the participating facility prior to authorizing users. If you wish to share your Energy to Care Data with individuals outside of your organization complete the Energy to Care Organization Administrator must complete [this form](#) and submit to ASHE energytocare@aha.org. ASHE will provide access to the account once this form has been received.



How to Use the Dashboard

[About Dashboard](#)[Create a New Account](#)[How to Use the Dashboard](#)

How to Use the Dashboard

Energy to Care Dashboard User Guide

The purpose of this User Guide is to provide users with comprehensive and detailed instructions for getting started and interfacing with the Energy to Care Dashboard.

[DOWNLOAD USER GUIDE](#)

ENERGY STAR® Property Sharing with ASHE Energy to Care

Download this guide to set-up the ASHE Energy to Care system to transfer information on buildings and utility data from the ENERGY STAR® Portfolio Manager system.

[DOWNLOAD ENERGY STAR® PROPERTY SHARING GUIDE](#)







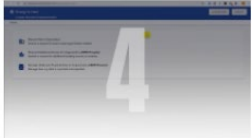



New! Energy to Care Dashboard Orientation Workshop™

ASHE's new Energy to Care Dashboard Orientation Workshops provide health care staff and other key stakeholders in the ASHE Energy to Care Program training on the dashboard's tools and features. Participants will review the various service lines offered through the Energy to Care Program and become familiar with the dashboard's energy management capabilities. Additionally, participants will learn how to set up new user and building accounts, navigate through the widgets and menu options, and generate reporting and personalized views for analysis purposes.

[LEARN MORE](#)

How to Use the Dashboard

TRAINING VIDEOS

	1 New Organization Administrator Setup		6 How to Run a Report
	2 Creating a New Account		7 Interpreting Utility Portfolio
	3 Adding a Building		8 Interpreting Utility Gap
	4 New Building Administrator Approval		9 Interpreting Homepage Widgets
	5 Requesting Access to a Building		10 Uploading Data



Energy to Care Confidentiality



Energy to Care: Data Share Authorization Form

Participation in ASHE's Energy to Care program is free for health care organizations. The privacy of your data is a top priority for ASHE. In some instances facilities find it necessary to share their accounts with individuals outside of their organization. In these events, ASHE requires express written consent from the participating facility prior to authorizing users. In this event, the following form must be completed by the participant's Energy to Care Account Organization Administrator and submitted to ASHE at energytocare@aha.org. ASHE will provide access to the account once this form has been received.

I, _____ am the authorized representative of

(Name of Organization Administrator)

_____ (Participant), which has the following mailing

address: _____

(Organization Address)

do hereby authorize _____ who is a (choose one) Chapter Sustainability

(Name of Authorized Subscriber)

Liaison / Representative Consultant / Representative Contractor, (choose one) read only access

/ full access to my Energy to Care Dashboard account from _____ to

(Beginning Date)

(Ending Date)

Signed _____

Printed Name: _____

Organization Name: _____

Printed Organization Name: _____

<https://www.energytocare.org/dashboard>





FGI Update

Laura's Law – Security and Video Surveillance

Emergency Access

- Video Surveillance System at public entrances
- Duress alarm system where entrances are locked





Critical Access Hospitals

- New chapter application language of CAH chapter
 - This chapter applies to any ~~hospital designated as a participant in a federal critical access~~ hospital or any other small hospital not in the critical access hospital program that is limited to 35 beds or fewer.
- Changes the number of patient rooms contained in a patient care unit from 25 to 35



Specific Requirements for Extended Stay Centers

Extended stay centers are intended for patients who are stable and do not need intensive monitoring or hospital-level care but—because of distance, travel limitations, lack of a caregiver at home, or more time needed to manage pain or bodily functions—may not be able to go home the same day as a procedure or visit to an emergency facility.



ENERGY TO CARE AWARDS AND THE CHAPTER CHALLENGE

Energy to Care Awards

- Award video www.energytocare.org/energy-care-award-programs



Celebrate the Energy to Care 2020 Award winners. To see this year's recipients click on each of the awards below.

Managing a health care facility is hard work. It's important to celebrate when you and your team achieve substantial energy savings that improve your organization's bottom line – all while benefiting the environment and greater community.

Participate in an Energy to Care award program or engage in an ASHE Chapter Challenge to gain the recognition your team deserves and help your organization promote its commitment to sustainability.

ENERGY
to care **H**
AWARDS

[Learn More](#)

ENERGY
to care **H**
CHAMPION
AWARD

[Learn More](#)

ENERGY
to care **H**
CHAPTER CHALLENGE

[Learn More](#)



Chapter Challenge and Energy to Care Awards for 2021

- Energy to Care Awards – Canceled
- Chapter Challenge – Canceled

We want to hear your thoughts.



ASHRAE Update



ASHRAE Overview

- ASHRAE/ASHE 170 Ventilation for HC Facilities
 - To republish 2021 Edition
 - To be included in 2022 FGI Hospital and Outpatient Guidelines
- ASHRAE 100 Energy Efficiency in Existing Buildings
 - ASHE representation on the SSPC
- ASHRAE 514 Minimizing Risk of Disease and Injury Associated with Building Water Systems
 - Advisory Public Review April 2021
 - Watch for ASHE announcement



ASHRAE Public Review

- 45 Day Public Review 29 January – 15 March
 - ASHRAE 90.1 Addendum y – Revisions to table 6.8.1-16 Heat Pump and Heat Recovery Chiller Packages Minimum Efficiency Requirements
- 30 Day Public Review 26 February – 28 March
 - ASHRAE 189.1 Addendum c – Simplifies the requirements for hot-water distribution by eliminating specific instructions for calculating pipe volume
 - Guideline 12 Addendum b - reference to the potential use of alternate heat sources, such as electric heat trace, alone or as a supplement to recirculation



ASHRAE Public Review

- 30 Day Public Review 5 March – 4 April
 - ASHRAE 188 Addendum c – Updates requirements for external airflow restrictions or obstructions when siting equipment
 - ASHRAE 90.1 Addendum z – Updates the track lighting requirement
 - ASHRAE 90.1 Addendum aa - Corrects the SI fan power values in Appendix G
 - ASHRAE 90.1 Addendum ac - Updates the Exceptions to Interior Lighting Power and Minimum Control Requirements found in Table 9.2.3.1

ASHRAE Public Review

- 45 Day Public Review 5 March – 16 April
 - ASHRAE 90.1 Addendum ab - Change to the wording of Section G3.1.1 to help clarify the process of selecting baseline HVAC systems when using Appendix G Performance Rating Method (PRM).
- Watch for notices within



CODES & STANDARDS

Health care ventilation standard open for public comment

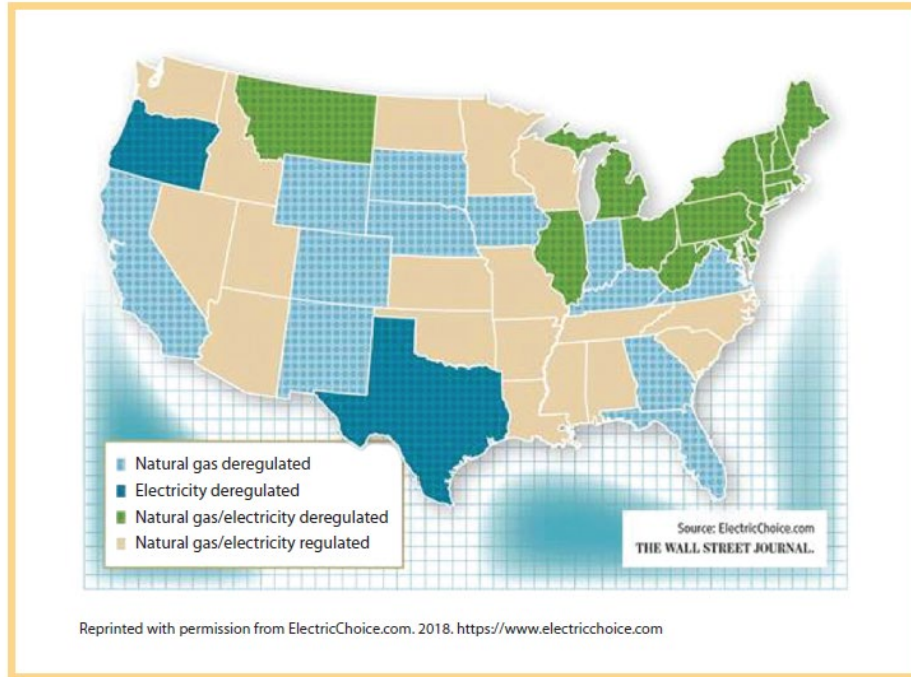
A proposed addendum to Standard 170-2017, Ventilation of Health Care Facilities, is open for public comment.

HFM



Energy Procurement

Energy Procurement Resources



- Monographs
- Energy Conservation Measures
- Energy University
- On-Demand Learning

Sustainability Collaboration

HCWH and ASHE Cohort

Cohort for Safety-net and Rural
Hospitals

**Interested in joining? Contact
Kara**





US Environmental Protection Agency - ENERGY STAR



- ENERGY STAR Partner of the Year
- ENERGY STAR Scoring – ASHE Survey
- Energy to Care Dashboard data share

US Department of Energy – Better Buildings



2021 Better Buildings
Virtual Summit
Registration Open -
May 17-20 -
No-Cost

ASHE is proud to be an Affiliate in the Better Buildings Alliance

- <https://betterbuildingsolutioncenter.energy.gov/alliance/sector/healthcare>



ICC Update

- 2021 ICC Code Development Cycle (Group A = Majority of IBC, IFC, IMC, IPC, etc.)
 - Proposed Changes Posted and Available:
 - <https://www.iccsafe.org/products-and-services/i-codes/code-development-process/2021-2022-group-a/>
- Hearings to be held virtually
 - Everyone invited to participate
 - Register (No Cost): <https://www.iccsafe.org/about/periodicals-and-newsroom/registration-is-now-open-for-the-international-code-council-committee-action-hearings/>
 - April 11 – 21
 - April 25 – May 5



ICC Committee on Health Care (CHC)

- Over 2,200 Pages of proposed changes
- ICC CHC Submitted 9 Proposals for Group A
 - Lay-in ceiling capable of limiting transfer of smoke
 - Through floor duct penetration
 - Definition for ambulatory care facility (4 Parts)
 - Definition of limited verbal or physical assistance
 - Alignment of Atrium requirements
 - Alignment of incidental use table requirements



Sustainability Hosted Programs

Energy to Care Treasure Hunt Overview

Uncover Significant Energy Savings



- ASHE Treasure Hunt - 2 days on site.
- Cross-functional teams
- Teams document their findings
- Teams prioritize Projects
- Teams present to C-Suite



Energy to Care Treasure Hunt Benefits



Establishes culture of sustainability
Develops participant energy knowledge

Motivates participants to pursue innovation

Reduces consumption, cost, and greenhouse gas emissions

Engages participants to take ownership





Energy to Care Workshops



Energy to care Dashboard Orientation Workshop

Program options

- One-hour Virtual Instructor-Led Training (VILT)
- One-hour Virtual Instructor-Led Training (VILT)
- In-Person Workshop (Four Hours)



2021 Webinar Dates



2020 Sustainability and Advocacy Liaison Dates

2021 Webinar Schedule

Q1: Tuesday, March 9, 2021

Q2: Wednesday, June 9, 2021

Q3: Wednesday, September 8, 2021

Q4: Wednesday, December 8, 2021

All webinars begin at 12:00 noon CST.

*Webinar reminders - myASHE Sustainability
Liaison Community*

Virtual Meeting?






Upcoming Events

Speaker Requests

- Request a speaker
 - Advisory Board
 - Education
 - Staff
- ASHE Speaker Bureau –
<https://www.ashe.org/affiliated-chapters>
- Chapter Leader Resources



ASHE Speaker Bureau

ASHE can provide your chapter with many opportunities to provide great education for your chapter members. To request an ASHE speaker or an ASHE course for your chapter event, please fill out the request form below.

Note: This form does not guarantee the availability of the course or the speaker.

Chapter *

Your Name *
First and Last

Position Held In Chapter

Your Phone Number *

Your Email Address *

Title of Event *

Host a Course or Host a Speaker *

ASHE offers significant savings to chapters that want to host some ASHE courses for their members. Courses are typically 1/2 day or full day in length. Select the option to "host an ASHE course" to explore those options.

Select the "host an ASHE speaker" option if you are looking for single 60 - 90 minute presentation for your chapter members. Choose from a list of selected topics each speaker can provide.

Your selection:

We would like to host an ASHE course (Requires an additional Fee)

We would like to host an ASHE speaker (Part of your chapter award benefit)

Date of Event



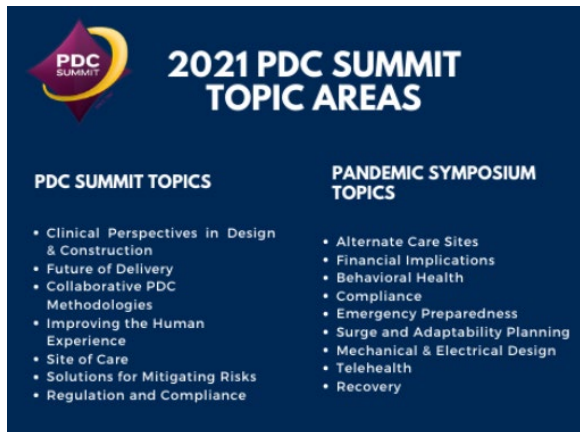
Energy to Care Newsletter!



April 2020

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!



**2021 PDC SUMMIT
TOPIC AREAS**

PDC SUMMIT TOPICS

- Clinical Perspectives in Design & Construction
- Future of Delivery
- Collaborative PDC Methodologies
- Improving the Human Experience
- Site of Care
- Solutions for Mitigating Risks
- Regulation and Compliance

PANDEMIC SYMPOSIUM TOPICS

- Alternate Care Sites
- Financial Implications
- Behavioral Health
- Compliance
- Emergency Preparedness
- Surge and Adaptability Planning
- Mechanical & Electrical Design
- Telehealth
- Recovery

May 2-5, 2021: Tampa, FL

CALL FOR ABSTRACTS IS NOW OPEN!
Until March 31, 2021 at 11:59 CT!



**2021 Annual
Conference
August 1-4, 2021
Anaheim, CA**



Questions or Discussion?





Thank you!

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