

Wisconsin Healthcare Engineering Association

Newsletter

December 2018

Volume 28

4th Quarter

Inside this issue:

Thank You WHEA Sponsors!	2
Calendar of Events	3
NEW WHEA WEBSITE!	4
Chapter II	5
Chapter IV	6
Education Committee	7
January 16th HCC	8
Registration OPEN!	
2019 Webinar Series	9
Annual Conference	10
Annual Directory Advertising	11
2019 WHEA Sponsorship	12
ASHE News	13
Code Critical	14
ASHE Advocacy Liaison	15
Employment Opportunities	16-17



Darrell Courtney
WHEA President

President's Message

Out with the old and in with the new

Wow, where did 2018 go? With the start of 2019, I would like to offer you the sincerest of thanks. Allowing me to be your 2019 President, I am very honored. WHEA has been and will continue to be a wonderful organization, as long as we have members like you.

Some of the goals that we will be working on throughout 2019 that will keep WHEA in the upper echelon of the country's ASHE affiliation:

- Energy to Care – working towards becoming a Platinum Elite member
- Continued building of the WHEA Foundation
- Conservation – continued ways to eliminate paper at our programs
- Communication (continued) – a conference meeting system
- Increased activity at the Chapter Level for Committees

We will continue to work on our goals throughout the next year. You can plan to hear from your Chapter President or Vice President to see how you can help our goals move forward.

In 2019, our annual conference will be in Appleton. This will be a new venue to our rotation. The Conference Committee and I are very excited about the opportunity that we have. They have already begun to plan extensively for this exciting change.

Once again, I would like to thank all of our volunteers, sponsors, and especially our members. WHEA could not be where it is without you. Providing all the teamwork and dedication that you do to your facilities, patients, and to WHEA as an organization is unmeasurable.

May 2019 be a wonderful year to you and yours.

Thank you for your continued support of WHEA,

Endeavor to Persevere



A final thank you to our 2018 Sponsors for their support!

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WHEA CALENDAR

Tuesday, January 8, 2019

- Chapter VI Meeting, Noon, Moose Lodge

Thursday, January 10, 2019

- Chapter I Annual Holiday Party
- 11:30am – 1pm Lunch & Learn Series Webinar

Friday, January 11, 2019

- Education & Professional Development Committee Meeting, Kalahari Resort, Wisconsin Dells

Wednesday, January 16, 2019

- Healthcare Construction Certificate (HCC) Program, Appleton

Thursday, January 17, 2019

- Chapter III Meeting

Friday, January 24, 2019

- Chapter IV Meeting, Miron Construction, Wausau office, 500 1st Street, Suite #4000, Wausau, 1:30 pm

Friday, January 25, 2019

- Conference Committee Meeting – Conference Call

Thursday, February 14

- Chapter I Meeting, Gateway Technical College
- Chapter II Meeting
- Chapter V Meeting 9 am
- Foundation Meeting
- 11:30am – 1pm, Lunch & Learn Series Webinar

Friday, March 1

- Board Meeting, Glacier Canyon Conference Center

Thursday, March 5

- Chapter VI Meeting

Thursday, March 7

- Chapter II Meeting 11:30 am

Tuesday, March 12

- Code Committee Meeting 12:30 pm, Kalahari Conference Center, WI Dells

Thursday, March 14

- Chapter I Meeting
- 11:30am – 1pm, Lunch & Learn Series Webinar

Sunday, March 17 through

Wednesday, March 20

- PDC Annual Conference, Phoenix, AZ

Wednesday, March 20

- Healthcare Construction Certificate (HCC) Program, Brookfield

Thursday, March 21

- Chapter III Meeting

Thursday, April 4

- Chapter II Meeting 11:30 am

Thursday, April 11

- 11:30am – 1pm, Lunch & Learn Series Webinar

Thursday, April 18

- Chapter V Meeting 9 am

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New WHEA Website Up and Running



As many of you have discovered, WHEA's new website is up and running. There are still a few bugs that are being worked out but for the most part, it is fully operational. If you notice any errors, missing information, or if something is not working the way it should, please send an email to Jane at info@whea.com and let her know. We'll need your help in cleaning up any typos and misinformation that you may find while you're browsing through.

As a WHEA member, you will need to create your account when you login in. If you were a WHEA member last year, then you'll be able to go click on the Member Logon on the front page and use the "Forgot Password" option to get access to the members only pages and your profile. Your username should be your first initial and your last name, all lowercase. If you have any problems with this, contact Jane and she'll be able to help you create your login.





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Chapter II Report



Craig Carlson
Chapter President

Chapter Officers

President – Craig Carlson (Associate Member)

Vice President – Jenny Nelson (Full Member)

Treasurer – John Pohlmann (Full Member)

Secretary – Jennie Cullen-Schultz (Associate Member)

First Chapter meeting was held on 9/20 at the Annual Conference with 22 members attending.

Normal business agenda items were discussed with no group presentation. The main goals that were discussed are as follows.

Goal #1 - Replace long standing Treasurer John Pohlmann who will be stepping down at the end of '18-'19 year.

Goal #2 – Discuss and encourage more full member participation on the Chapter II board. The Chapter has had little interest in the last few years from Full members to take on a board position. This will be on the agenda every month with discussion on the importance of participation with the hopes of having a few candidates that can be voted in at our banquet in May.

Goal #3 – Fill the State Officer at Large position from Chapter II. This will also be on each meeting's agenda with discussion.

Treasurer's report was reviewed. The Chapter's ending balance as of the 8/3/18 audit was \$6,813.53

Last Chapter meeting was held on 11/8 at the Dean Health administrative building with 28 attendees. Normal business items were on the agenda, with our State President Darrell Courtney addressing the group with an update on activity at the State level. After our meeting the group was given a presentation on Emergency Power from Mike Bergum with Quality Power Solutions.

Treasurer's report was provided by John Pohlmann.

Total members:

Full:	43
Associate:	47
Lifetime:	8
Retired:	5
Honorary:	1
Total:	104

Total member numbers continue to increase as we collect this year's dues.

Future meetings:

February, 14th 2019

March 7th, 2019

April 4th, 2019

May 5th, 2019 (Annual Chapter meeting/banquet)

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Chapter IV News



Troy Torgerson
Chapter President

Happy Holidays WHEA members! Our December 12th Chapter Meeting was a great success with 42 people attending including a mixture of current members and new members. This is the most people I can recall at a chapter meeting in quite some time! This is a great start and we will continue the momentum as we progress through this year and into the upcoming years as well!

We are continuing with our goals of making the chapter meetings beneficial for all of the members through increased education opportunities, with meetings throughout the year being a combination of education focused and others being fun and focused on relationship building within the chapter with all of our members. This year we are going to be looking at new ideas from all aspects to increase the value our members get from the meetings.

Our next chapter education meeting is on January 24th, 2019. Hooper Plumbing and PMSI Sales will be providing training on Mixing valves and troubleshooting issues with them, the Gordian knot of plumbing – Powers pre-piped valves. This training will be located at the Miron Construction, Wausau office, 500 1st Street, Suite #4000, Wausau WI 54403. Start time for the training will be at 1:30pm – a light lunch will be provided courtesy of Miron Construction. Training will start at 2pm and go approximately 2 hours. Please RSVP to VP Ed Radtke Edward.radtke@aspirus.org no later than January 15th, 2019 for the lunch head count.

We would welcome any ideas for chapter meetings and information on additional opportunities that any other chapter would have, please contact me at troy.torgerson@co.marathon.wi.us or any one of our new Board members – VP Ed Radtke at Edward.radtke@aspirus.org, Travis Gunderson, Member at Large, travis.a.gunderson@jci.com or Secretary/Treasurer, Chris Ecke at cecke@inprocop.com

Our next scheduled meeting will be in March, with a tour of the new Sentry Office building being coordinated and sponsored by Findorff Construction. Additional Details will be sent out via email to the WHEA CH IV members and the other chapters as we know them.

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Education and Professional Development Committee (EPDC)



Darrell Courtney
Committee Chair

Wonderful 2018


2018 was another successful year for the EPDC. It could not have been done without the commitment of all of you. The EPDC strives to offer the best education for our members at the best prices available. Over 3,300 people have attended an education program over the 2018 year.

Our Lunch and Learn program allows education for as many as you can fit in a room for a \$300 fee a year. The offering also allows you to go back and review any and all programs from the past or that last one that you may have missed. For the 2019 year, we have set a list of programs directed to everyone in your facility.

In 2019, we will again be working with the Code Committee to offer three HCC(s) around the state. We will also be offering our Code Seminar in Wisconsin Dells. Our new Advanced HCC was a great success and we look forward to continue the program in the future. Listening to the requests of all our members, we are holding an early HCC this year in Appleton. Thank you to the Code Committee for their continued efforts to keep our quality programs at a reasonable cost for our association.

We look forward continuing to provide great educational opportunities in 2019 to all of our WHEA members.

Now is the time to sign up for the 2019 Lunch and Learn webinar programs. As a subscriber, you will receive the recorded links to all the webinars; past ones to review or watch for the first time. These may be watched at any time that you wish. Go to the Education tab at the www.whea.com site, sign up, and start your learning today. You will receive the login information for the next scheduled webinar and the links to all previous recordings. You never have to miss a program again. The cost for the annual webinar series will again be \$300 for WHEA members and \$500 for non WHEA members. Join now: www.whea.com.



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Wednesday, January 16, 2019

Holiday Inn Appleton
Appleton, WI

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WHEA RENEWAL



Expires:
1/31/2022

Starting in 2008, WHEA's HCC Program Certificate is valid for a period of three (3) years from date of issue. Renewal process details are available on www.whea.com.



Healthcare Construction Certificate

**Wednesday,
January 16, 2019**

Registration: 7:00 am - 7:30 am
Program: 7:30 am - 4:15 pm

**Online Registrations Only
at www.whea.com**

\$200 Early Bird Rate (ends January 2)

\$250 Regular Rate (after January 2)

Be sure to register early to receive the discounted rate! You will receive a confirmation/invoice via email once you register. If you do not receive this confirmation/invoice within 1 week of registering, please contact WHEA's Administrative Assistant. This fee covers the cost of the program, refreshments, lunch and materials. Be sure to register early, as space is limited.

CREDIT CARDS ACCEPTED



WHEA's 2019 Monthly

"Lunch & Learn" Webinars Every 2nd Thursday of the month 11:30 am to 1:00 pm

Webinars are scheduled to run anywhere from 60 to 90 minutes

"Thank you for providing these trainings, I always walk away learning something."

"Thank you, very helpful information. Need to have more techs enrolled in these webinars"

"Very informative - great information"

"These webinars have been meeting our needs."

"The Lunch & Learn is a great program to educate staff."

WHEA's Educational and Professional Development Committee is offering 12 webinars for the 2019 calendar year for a one time, low price per computer connection.*

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\$500 Regular Registration (\$42 per webinar)

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register by January 10th.**

This is a cost effective, professional development series for facility staff, administrators and contractors. This is a fantastic opportunity to stay up to date on current issues without leaving your facility. You will receive complete session information approximately 2 weeks before each webinar. Each webinar offers 1.5 Contact Hours/.15 CEUs approved by ASHE.

Registration is now open at www.whea.com for this 2019 webinar series.

Follow the drop downs under the Education tab to "Webinar Series Registration".

To receive the members only discounted rate, you must log into the WHEA members only site and use the Members Only registration form. If you don't have a members only login, email info@whea.com to set up your members only access.

You may sign up anytime during the year but the cost will stay the same - there is no individual webinar pricing. All webinars will be recorded and you will receive a link to that recording after the webinar has been presented. Even if you are not able to attend, you can still have these important updates to watch at your convenience.

The webinars will cover a variety of topics that focus on "hot-topic", code alerts and management level subjects throughout the year. A tentative list of topics is below. This topics list is subject to change.

**Per Connection equals one computer login in one room. You may have as many people sitting in that room watching the webinar as you wish, but you may not share your login information with any other person inside or outside your facility.*

2019 TENTATIVE TOPICS

JANUARY 10	Med Gas Cylinder Storage & Handling	JULY 11	Generator Maintenance - Best Practices
FEBRUARY 14	E2C (Energy Efficiency Commitment)	AUGUST 8	Boiler Operations
MARCH 14	HVAC Troubleshooting	SEPTEMBER 12	Electrical Safety (Arc Flash - Lockout/Tagout)
APRIL 11	Med Gas Pipe & Alarm Systems	OCTOBER 10	Interim Life Safety Measures
MAY 9	Pressure Relationships (Room Specific)	NOVEMBER 14	Responding to Water Emergencies
JUNE 13	Ladder Safety & Fall Protection	DECEMBER 12	Electrical Generator Part 1 (Design)

2019 Annual Conference



*Mike Blackwood
Committee Co-Chair*

Work on the 2019 WHEA Annual Conference continues. Watch the WHEA website for registration to open in early April. Be sure to mark your calendar and attend. In addition to important updates on Wisconsin codes, there will be additional speakers on hot topics and a Joint Commission update that you should not miss. The conference will be held at the Paper Valley Red Lion Hotel in Appleton.



*Ed Cosner
Committee Co-Chair*

The Technical Exhibition registration is now open. This exhibition fills up fast so be sure to register early.

The Conference Committee is seeking a volunteer as a Technology Coordinator to take on some of the technology advancements that could be available for future conferences. Please contact or Jane at info@whea.com if you're interested in learning more.

**WHEA Annual Conference
September 17 - 20, 2019**

**Technical Exhibition
September 18**

**Open House
September 17**

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2019 Directory Advertising Orders Must Be In By January 31st

Find additional information and the order form on www.whea.com under the Publications tab.

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HALF PAGE

Ads must be emailed to
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by February 28th.

Advertising Copy Requirements

For reproduction of your ad copy in any of our publications, we prefer that your ad be developed in QuarkXPress or Adobe Illustrator. We can also accept high quality jpeg files, pdf files, and tiff files. We can develop entirely new ad copy for you or rework your existing ad, if needed. Please contact Jane Bruvold, at info@whea.com with any questions or for additional information.

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Contact Laura Bennett at Econoprint 1.888.677.0118 or by email: laurab@econoprint.com.

2019 Sponsorship Opportunities Are Still Available



Dennis Havlik
Committee Chair

The Wisconsin Healthcare Engineering Association (WHEA) is in the process of acquiring requests for sponsorship for 2019. Your organization may choose between three different levels of sponsorship, Silver, Gold or Platinum. Depending on which level of sponsorship you choose, there may be opportunities for free advertisements in the directory and newsletters, technical booth registrations and other ways to promote your company within the WHEA membership. You'll find the specifics for each sponsorship level on www.whea.com under the Sponsorship tab.

Once you apply for sponsorship using the online registration form, your sponsorship request will be processed. You will then be informed if your sponsorship application has been accepted and will be contacted regarding your sponsorship level opportunities.

Please go to www.whea.com and click on the Sponsorship tab for complete information on each level of sponsorship and the link to the sponsorship application. If you would like to be a sponsor for WHEA, we will need your application before the publishing of the annual directory.

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ASHE News

WHEA - Working Together to Solve Healthcare Facilities Labor Shortage



Dean Pufahl
ASHE President

No Competition Here!

Wisconsin health care systems and business partners unite for a common cause.

No one wants to hear another “inconvenient truth” but Healthcare Facilities Departments will be facing a critical labor shortage within the next ten years. Up to 60% of the current front line technician labor force is over the age of 55 and there are not enough people entering the pipeline to succeed them.

The practice of adding square footage without adding staff, budget reductions that negatively impact staffing levels, and reduced funds for education and training has put significant pressure on remaining staff. The result has been a drain in our collective technical knowledge and skill base and limited our ability to attract and hire new talent.

Additionally there are recruiting challenges driven by societal changes. Today’s culture puts pressure on youth to attend college immediately following high school graduation. This pressure coupled with an inaccurate negative image about Facilities Maintenance (FM) careers is limiting the recruiting pool.

Advocate Aurora Health administration has acknowledged the need to act on this problem. Additional resources were allocated to the Facilities budget in order to develop an intern program. Key objectives of the program are to create a path to prepare youth for a job in Facilities and to raise awareness of the maintenance and repair trades as a viable and rewarding career.

Championed by Kelly Noel, System Vice President of Facilities, an internal multidisciplinary team was formed. The team quickly realized the need to partner with other organizations to have a truly impactful and sustainable program. The potential pool of intern candidates was relatively large and spread out geographically. This led to the formation of the Multi-Organizational Facilities Internship Program (MOFIP).

Partners such as the Wisconsin Healthcare Engineering Association (WHEA) were used to promote the concept and solicit members. The MOFIP committee consist of representatives from healthcare systems across SE Wisconsin, technical schools, VA workforce staff, and business partners who work with closely with health care facilities departments.

MOFIP is charged with the development of statewide standards for intern and apprenticeship program curriculum and competency assessments. A standardized process provides flexibility so that when an intern completes a program at any healthcare location, they are at the level of competency to be hired wherever there is an entry level opening in health care facility department.

Now is the time to begin your strategy to mitigate the critical labor shortage we will all be facing soon. While we have rightfully given a lot of thought to Facilities leadership succession, an even larger gap will soon appear in the frontline health care maintenance and repair trades. By developing networks and partnerships now, we can position ourselves to support and advocate for front line facilities department careers long into the future.

Nolan Harp

VP Facilities Integration, Facilities Operations

Tammy A. Behnke

Support Services Improvement Manager
Greater Milwaukee South & System Facilities

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Code Critical

Codes & Standards Committee



Jeff Eckstein
Co-Chair



David Soens
Co-Chair

The Suite Bonus in Health Care

In a continuing series on the 2015 International Building Code (IBC) which became a statewide requirement in Wisconsin effective May 1, 2018, the code committee thought it would be beneficial to discuss “suites”. Suites are optional, and not required for every health care facility. A suite is an enclosed space, is located off of an egress corridor, and typically groups a series of related rooms. Suites have area, enclosure, and travel distance criteria, that when met can provide the following bonus;

The circulation space within the suite is not considered an egress corridor
New building space utilization can be enhanced
Existing building deficiencies can be corrected

The following table is provided to assist with clarity with the major elements affecting suites; do reference the specific code for additional details and any applicable exceptions. The 2015 IBC is intended for new construction; hence the following table will also compare to the new provisions in the 2012 NFPA 101 (LSC) Chapter 18.

	2015 IBC	2012 LSC
Separation	Smoke Partition (IBC 710)	Partition to limit the transfer of smoke (LSC 18.3.6.2)
Corridor Door(s)	Suite doors located on egress corridor must meet the width, swing, and latching (IBC 407)	Suite doors located on egress corridor must meet the width, swing, & latching (LSC 18.3.6.3)
Size (maximum area)	Sleeping suite 7,500 ft ² Sleeping w/detection 10,000 ft ² Non-sleeping 12,500 ft ² Non-sleeping w/ detection 15,000 ft ² (IBC 407)	Sleeping suite 7,500 ft ² Sleeping w/ detection 10,000 ft ² Non-sleeping up to 10,000 ft ² Constant staff supervision (LSC 18.2.5.7)
Two Exits	Sleeping suites over 1000 ft ² Non-sleeping over 2500 ft ²	Sleeping suites over 1000 ft ² Non-sleeping over 2500 ft ²
Travel Distance (feet)	100 ft to an exit access door 200 ft to an exit (IBC 407)	100 ft to an exit access door 200 ft to an exit (LSC 18.2.5.7)
Suite to Suite Access	When two exit access doors are required, one of the two can be to an adjacent suite	When two exit access doors are required, one of the two can be to an adjacent suite
Doors within the Suite	No latching required No separation requirements	No latching required No separation requirements

Precautionary Notes:

- Fire Alarm System:** Smoke detectors are required to be supervised by a fire alarm system, that meets the installation, testing, and maintenance requirements of NFPA 72.
- Consistency:** Ensure suite to suite exiting is not jeopardized by inconsistent hours of operation, differing locking arrangements, or a change in hazard classification.
- Hazardous Suites:** The LSC acknowledges one additional option and that is a hazardous suite per Sections 18/19.2.5.7.1.3.

Suites in health care unfortunately do not match the luxury common to the hotel industry, yet when properly designed, a suite can offer some luxury in dealing with means of egress requirements.

ASHE Advocacy Liaison Report



Wade Rudolph
ASHE Advocacy
Liaison

The ASHE advocacy liaisons are representatives from each chapter that serve as a direct link between ASHE and the local chapters as a conduit to provide information from the chapters to ASHE and to distribute to the chapters information from the ASHE Advocacy staff. The efforts in WHEA have historically been managed to and from the WHEA Codes and Standards Committee.

The past few years other chapters of ASHE have been able to grow their efforts to the level of efforts WHEA. WHEA has developed a very advanced effort to work with code development bodies to educate these bodies as to what the impact of codes would be and offered suggestions for modifications. Now that other ASHE chapters have developed working groups to support ASHE, they are asking for further development of our programs.

The mission of the ASHE Advocacy team is to monitor, develop, update, improve and explain codes and standards that regulate hospitals and other health care facilities. The overall goal of these efforts is to create unified up to date codes based on science and data that are clear and do not conflict. This effort is to be undertaken at a national and local level.

On December 5, 6 & 7, the chapter Advocacy Liaisons from around the country gathered together in Phoenix Arizona to develop the strategic plan moving forward. Presentations were provided by knowledgeable individuals on the code development process for the NFPA, FGI, Federal Rules and Laws, ASHRAE documents as well as the ICC documents. Clear opportunities were identified for enhancing the voice of healthcare engineering professionals represented by ASHE.

Currently the NFPA is seeking volunteers to serve on eight different work groups specifically related to NFPA 99 Health Care Facilities. If anyone is interested in serving on any of these technical advisory committees they are encouraged to apply through the NFPA website.

The International Code Council documents open for public comment are January of each year. This is the month that comments are encouraged for changes to the ICC documents. The documents are only open for comment one month every three years. If a comment is provided, support is provided by ASHE at the April hearings to provide verbal support on the comments. We are encouraged to reach out to Jonathan Flannery at ASHE who will support our efforts in regards to this matter.

The FGI has opened the public comment period for the Facilities Guidelines documents at this time. The com-
(continued on page 16)

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ASHE Advocacy Liaison Report (continued)

ment period is open until June 2019 allowing plenty of time for comments to be developed and provided. Comments can be submitted through the FGI guidelines web site.

The advocacy efforts are successful. At the last ICC Mechanical Code update, clarification was provided regarding the requirement of fire dampers in “fully” ducted systems. In the newer code we are now able to use a short piece of flex duct between hard duct and the room diffuser without requiring the installation of a fire damper in a one hour rated wall. This was a win for ASHE (over the stern objections of the fire damper representatives who were also present at the ICC meeting).

Another example of a win was the recent withdrawing of a TIA published by the NFPA which would have increased the testing requirements for the fuel for the emergency generators to semiannually along with many new testing requirements. ASHE solicited public comment and was able to work with the NFPA and the FDA to have the TIA withdrawn. Only 89 comments were submitted to reverse this TIA, so it is important to participate in the process when comments are requested.

The real reason for the NFPA TIA requested testing increase of generator diesel fuel is that we have learned that biodiesel does degraded the adhesive used in fiberglass tanks relatively quickly. The recommendation is to **not use biodiesel in fiberglass tank systems**. An action item we want to inform the membership though updates as this that **biodiesel should not be used for emergency generator fuel** if a fiberglass storage tank or piping is used for the emergency generators.

If you are interested in serving as the WHEA Chapter Advocacy Liaison representative, please contact one of our Codes and Standards Committee chairs (Jeff Eckstein or David Soens) and express your interest in serving the WHEA members in this role. If you have questions regarding the responsibilities of the role, feel free to reach out to Wade Rudolph who has been serving in this capacity for over six years.

ASHE wants the membership to be aware that they are willing to support our organizations with code conflicts, misinterpretations, and burdensome regulations. Please reach out to your advocacy liaison for support. Wade Rudolph can be reached at 608-392-6185 to assist and serve as your conduit to ASHE in regards to these matters. ASHE is committed to help build the case for uniformly applied and interpreted codes which could save the health care industry literally billions of dollars.

Thank you for the opportunity to serve the greatest ASHE chapter (WHEA) in the country.



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