

# Wisconsin Healthcare Engineering Association

# Newsletter

October 2016

Volume 26

3rd Quarter

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*Harley Herold*  
WHEA President

## President's Message

Hello, I hope everyone is enjoying a great fall. I had a chance to travel to northwest Wisconsin and visit a Chapter V meeting at Osseo last week. It was a very good trip. The objectives were to attend the meeting, meet the members, and talk about this year's goals. The meeting was very different than what I was used to because it lasted most of the day. This is important to Chapter V because the members are very spread out so they have longer meetings to get the most out of their time together. I was really happy to see so many members make the meeting even though they had to drive long distances. Duke and I will be traveling to all chapters to attend meetings as the year goes on. Thank you Chapter V. I had a great time.

WHEA, today our financial status is strong; the education is the best in the country, and our relationship with our state representatives is great. What we are not good at is taking care of ourselves. We are expected to do more with less FTE's, less budget, and changing regulations. Our members are getting older and many are retiring. This year's goals are set up to help take care of the members of the WHEA.

Chapter Presidents, I need your help in getting the members from each chapter on these committees. Our first committee meeting will be December 2nd.

The following are this year's goals:

### ASHE Energy to Care Program

#### Darrell Courtney, Chapter V will be leading this Committee

- I am looking for at least two motivated members from each chapter to be on this committee for your chapter.
- The members would make the program a reality in your chapter
- One of the members from each chapter would be the state representative at the quarterly committee meetings in the Dells.
- They would bring back the assignments for the chapters and lead chapter's effort. *(continued on page 3)*



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## WHEA CALENDAR

November 3, 2016	Chapter II Meeting / McKinstry, Madison
November 8, 2016	DON'T FORGET TO VOTE!
November 8, 2016	Codes & Standards Committee Meeting / Glacier Canyon Conference Center, WI Dells
November 10, 2016	Lunch & Learn Webinar Series "Preparing for Fire Door Inspections", 11:30 am to 1:00 pm
December 1, 2016	Chapter II Meeting / Esquire Club, Madison
December 2, 2016	Board Meeting / Glacier Canyon Conference Center, WI Dells, 9 am
December 8, 2016	Lunch & Learn Webinar Series "Filters", 11:30 am to 1:00 pm
December 9, 2016	Member Services Meeting / Glacier Canyon Conference Center, WI Dells, 9 am
December 15, 2016	Chapter IV Meeting / Hoffman House, Wausau
January 12, 2017	Lunch & Learn Webinar Series "Suites - 2012 New Approaches", 11:30 am to 1:00 pm

## ***WHEA Website Members Only Access***

**Are You A New  
WHEA Member ?  
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take a minute to go into  
the database and  
double check your  
listing. Please send  
Jane any edits.**

## ***WHEA President Message (continued)***

- There will be monthly conference calls with all the committee members to keep this effort moving ahead.

### **Mechanics Certification Program.**

#### **Martin Schutte, Chapter I will be leading this Committee.**

- I am looking for at least one motivated member from each chapter to be on this committee to and make recommendations for what is best for the WHEA Mechanics in the future.
- Mechanic involvement
- Give them a path to success
- Get mechanics to Chapter meetings
- Give them the opportunity to go to the WHEA State conference.
- There will be monthly conference calls with the committee members to keep this effort moving ahead.
- A face to face committee meeting will take place quarterly in Wisconsin Dells the same date that the state board meets

### **Chapter Meeting Conference Call In System**

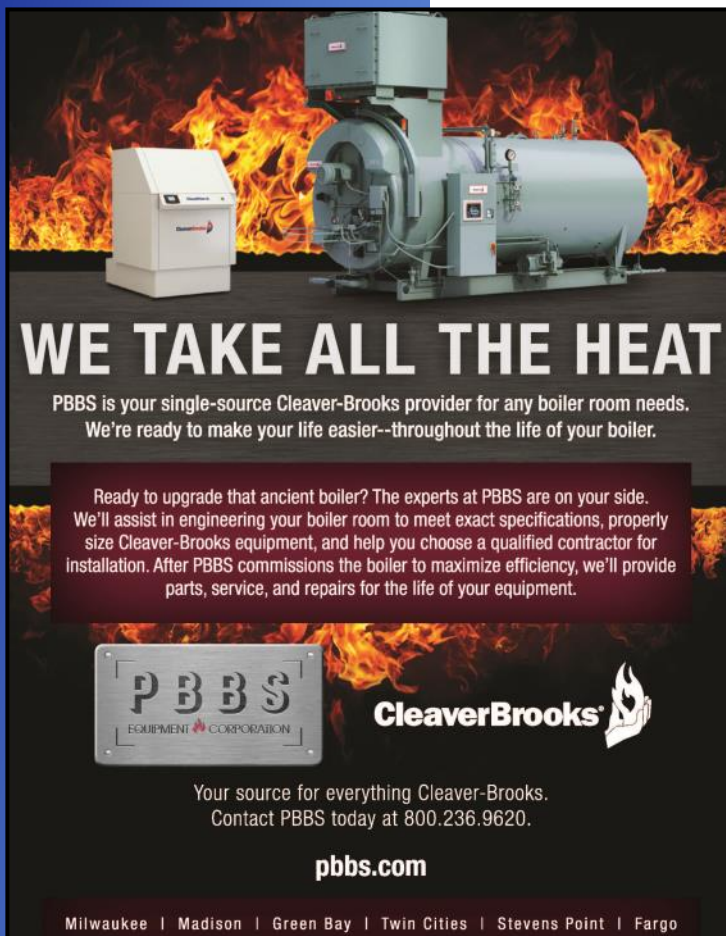
- The state needs to give the chapters the tools to allow the chapters to meet easily
  - Northern chapters would really benefit from a state system of this kind
  - Allow members that cannot make it to meetings to attend
  - Any chapter member could attend any meeting throughout the state for education or just to attend a meeting in any of the six chapters (maybe someday chapter seven)
  - Need interested parties in this objective to come forward and help make this a reality

### **WHEA Foundation**

- Discussion
- Motivate Foundation Board to finish Mission and Vision
- Succession planning
- Once this is completed WHEA must work to give the Foundation the tools to be able to carry out this mission
- Let's get behind this

### **ASHE Affiliation**

- Keep the chapters informed of the ASHE membership benefits
- WHEA is the best ASHE chapter in the country. Platinum membership should not be an issue.



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## Education and Professional Development Committee (EPDC) Report



Jim Teunas  
Co-Chair

The EPDC and the Codes & Standards Committee has completed its final Healthcare Construction Certificate (HCC) program on October 26th at The Plaza Hotel in Eau Claire.

We have also completed the first 10 webinars of our 2016 webinar subscription series. Our last 2 webinars are scheduled for November 10th "Preparing for Fire Door Inspections" and December 8th "Filter Requirements".

Our October committee meeting was held to make decisions on the education opportunities we will provide for 2017. We will once again hold 3 Healthcare Construction Certificate training sessions. These healthcare facility safety training sessions continue to be very important and WHEA's Code Committee continues to provide excellent training for them.

We are also exploring a mechanic site-based program. An email survey will be sent out to WHEA members exploring the options for this program. Be sure to watch for it and return it with your feedback.



Marc Teubert  
Co-Chair

The webinar series will also continue in 2017 and a slate of programs is listed on page 5 of this newsletter. Registration for this year-long subscription at [www.whea.com](http://www.whea.com) under the "Education" tab. Be sure to register today for this series.

## Chapter I News



Marty Schutte  
Chapter President

Year 2016 was a busy one for Chapter I. Overall monthly meeting attendance averaged 59 with visitors.

The meetings were business as usual but were well fo-

cused on education and tours of interest. Boredom was not an option.

The team was taken to the EPIC headquarters in Madison. A tour of the prefabrication process for the construction was given.

The team toured the INPRO production plant and watched a product that is used in health care produced from raw materials to finish and shipment.

Code experts were brought to a meeting and all new issues and how to navigate the new Life Safety Codes were discussed.

One meeting focused on how to best use your work order system to optimize productivity and survive Joint Commission.

Measureable goals surrounding ASHE, Community Outreach, and Education have been established for 2017 under the leadership of the newly elected board.

### Design • Build • Maintain

Ahern holds **50% more WHEA Healthcare Construction Certificates** than its Closest Competitor\*



\*Source: WHEA HCC Renewal List

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# WHEA's 2017 Monthly "Lunch & Learn" Webinars Every 2nd Thursday of the month 11:30 am to 1:00 pm

Available by yearly subscription only.

"Keep it up. It is a good way for staff to be involved without having to leave the facility."

"I was not familiar with the need to remove air and dirt from hydronic systems although I have seen the results of not removing them. For me a real eye opener."

"Keep doing what your doing! Excellent webinar. Looking forward to more."

"I think [this webinar] will help my staff be more aware and keep looking and working on keeping the building safe."

"[WHEA] always seems to come up with the right topic at the right time."

"Appreciated the variety & amount of info provided."

WHEA's Educational and Professional Development Committee is offering 12 webinars for the 2017 calendar year for a one time, low price per computer connection.\*

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

**\$300** WHEA Member Discount (\$25 per webinar)

**NO LODGING • NO OVERTIME • ONE TIME PAYMENT**

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 open at [www.whea.com](http://www.whea.com).**

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 [bruvold@sbcglobal.com](mailto:bruvold@sbcglobal.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.

**\*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 in or outside your facility.**

## 2017 TENTATIVE TOPICS

<b>JANUARY</b>	Suites/2012 New Approaches	<b>JULY</b>	Chapter 43 Rehab
<b>FEBRUARY</b>	Med Gas	<b>AUGUST</b>	Pest Control
<b>MARCH</b>	CMS Emergency Preparedness	<b>SEPTEMBER</b>	NFPA 25
<b>APRIL</b>	Fire Plans & Fire Drills	<b>OCTOBER</b>	Safety / Security After Action Plan
<b>MAY</b>	Grounds/Rounding - Environmental Impacts	<b>NOVEMBER</b>	2012 LSC Comparisons / Final
<b>JUNE</b>	Legionella / Ice Machines / Water Treatment	<b>DECEMBER</b>	Egress Code Changes



## *Education and Professional Development Webinar Synopsis*

*Written by Heather Lauzon Werner, Education and Professional Development Committee*

**July 14** - "A Joint Commission Update on New Survey Processes and Tools" Presented by Jim Kendig and Tim Markijohn of the Joint Commission

With the adoption of the 2012 LSC and evaluation of feedback from facilities and surveyors, the Joint Commission has been revising their processes. The goals are to promote consistency between surveyors, efficiency during the survey process, and facility readiness. Surveyors will be utilizing a document checklist for use during a document review session, and the Life Safety Surveyor agenda has been revised. Some of the focal areas for surveyors include:

- Doors – hardware components removed or deactivated, labels, the function matches the life safety plans, annual inspections
- Foreign material on sprinkler heads – focus in laundry, receiving, chute, and kitchen areas
- ILSM's – Include in policy criteria for when ILSM will be implemented and follow it
- Eyewash stations – Policy references an ANSI standard – which edition are you using? Are you following the requirements of that edition
- Legionella in ice machines
- Furniture purchase policy references UL or NFPA rating
- Identify security sensitive areas
- Fire drills – when they occur, 3<sup>rd</sup> shift drills include all aspects of fire drills except the audible alarms.
- Documentation
  - ~ Required documents that are not available at the time of the survey will be cited and not eligible for a Clarification.
  - ~ Facilities will be asked to complete a Fire Drill Matrix at the start of the survey which includes the location, day, date, time of all fire drills.

SAFER Matrix – Starts Jan 2017

- "recognizes that the potential for an EP to be related to a risk/safety issue depends on the context of the situation during a given survey and not pre-determined based on the EP itself"
- Risk is determined by the "scope" and "likelihood to harm" as it relates to the surveyor

experience, expertise, and observations

- Immediate Threat to Life issues include fire alarm, sprinkler, or generator systems that are offline
- Follow up actions are determined by the Matrix score
  - ~ All citations have 60 days to comply

**August 11** - "Healthcare Construction ILSM and ICRAs" presented by Bob Dubiel, Mayo Clinic Health System, and Jeff Eckstein, JH Findorff and Son

An Infection Control Risk Assessment (ICRA) is a tool used to determine what measures need to be implemented during construction or maintenance activities in an occupied healthcare facility in order to protect patients from infections while in the hospital during construction and maintenance activities.

Proper development of the ICRA requires input from contractors, facilities staff, and clinical staff. Everyone needs to be held accountable for following the ICRA.

Step 1: What are you doing?

- Type A – Inspection or noninvasive activities
- Type B – Small scale, short duration; create minimal dust or water
- Type C – Work that generates moderate dust, longer than 8 hours, or impacts areas outside work area
- Type D – Major demolition for projects

Step 2: Where are you doing it?

Identify Facility Risk Level

- 1 – Office, Administration, etc.
- 2 – Cardiology, Radiology, PT, MRI
- 3 – CCU, ER/ED, Surgery, Lab, LDR, LDRP
- 4 – Immunocompromised – Burn Units, Transplant, Cardiac Cath, Isolation, Central Sterile

Step 3: Define construction project protection – "Class I, II, III or IV"

- Use Class to define measures to be implemented during the project and at the completion of the project

*(continued on page 7)*

## *Education and Professional Development Webinar Synopsis (continued)*

- ~ Class I - Use methods that minimize the amount of dust that becomes airborne or is drawn into the air handling systems.
- ~ Class II - Provide active means to prevent airborne dust from dispersing.
- ~ Class III - Isolate HVAC in work areas from occupied areas. • Install critical barriers prior to construction work starting. • Maintain construction area under negative pressure compared to adjacent occupied areas.
- ~ Class IV - All class III requirements plus: • Seal penetrations appropriately. • Critical barriers need to be fire rated. • Construct an anteroom with HEPA filter or create separate entrance for construction workers.

### Step 4: Implementation

- Infection Control Review and approval prior to start of work • Implementation of measures as determined by the ICRA. • Monitoring and documentation

### ILSM

Interim Life Safety Measures (ILSM) assure that basic principles of the Life Safety Code are met through staff knowledge, training, and alternative systems during construction/renovation activities, maintenance activities, survey initiated deficiencies, etc. until the situation is resolved.

- Follow your facility ILSM policy
- Follow your facility Fire Watch policy
- The type of ILSMs used will depend on the situation
- If exit access is impacted, provide alternative exits and signage
- If fire alarm/sprinkler system is impacted, provide additional firefighting equipment; increase surveillance of construction areas and storage; reduce the flammable and combustible fire load; provide additional training on the use of firefighting equipment; conduct one additional fire drill per shift per quarter; inspect and test temporary systems monthly.
- Promote awareness of building deficiencies, hazards, and temporary measures
- Define type and rating of temporary construction barriers

### **September 8** - "Boilers and Maintenance", Tim Carberry and Tom Hantke, PBBS

Heat, fuel, oxygen, time, temperature, and turbulence are needed in the correct amounts in order to attain and maintain combustion. Improper proportions of fuel and oxygen will result in inefficiency (increased cost) and excess waste gases (increased pollution which leads to increased long term health and environmental costs). Boiler efficiency is achieved by striking a balance between oxygen and carbon dioxide outputs. Weather also affects the ability to burn fuels. When the pressure drops or temperature rises, more oxygen is consumed and carbon monoxide is produced.

Proper maintenance is essential to running efficiently. The low water cut off (LWCO) is the most important control on the boiler. It will prevent damage to the boiler by running it with low water which could cause an explosion.

- Proper Maintenance of LWCO
  - ~ Replace the Head mechanism every 5 years or when switches don't work properly
  - ~ Disassemble and inspect annually – including float chamber and equalizing piping
  - ~ Remove covers and inspect mercury or snap switches
  - ~ Rod out pipe
- General Maintenance
  - ~ Boiler room equipment biography
  - ~ Keep written operating procedures
  - ~ Good housekeeping
  - ~ Keep electrical equipment clean
  - ~ Keep fresh air supply adequate
  - ~ Keep accurate fuel records
  - ~ Establish a regular schedule
  - ~ Use a log sheet
  - ~ SAFETY
- Annual Maintenance
  - ~ Safety Valves
    - ◇ Test per your Inspector
    - ◇ Make sure label is readable.
    - ◇ Safety seal is in place.
    - ◇ No plugs in tell tale drain.
    - ◇ Capacity is sized correctly for boiler
    - ◇ Remove and Recondition safety valves
    - ◇ Inspect piping for loose hangers putting weight on valves
  - ~ Waterside and fireside surfaces
  - ~ The inspector will look for evidence of waterside deposits, plugging, pitting, corrosion, leaks, cracks, bulges, blisters, overheating, surging, carryover, staining, and any sign of damage.

## Chapter II Report



Bryant Stempski  
Chapter President

What a year we had! Last year we bettered our meeting participation by close to 30%. Again thanks Debbie Scherer for your splendid leadership.

Our group met twice since our last report. In August many participated in a bit showery but fun golf outing at Lake Windsor Golf Club then a month later in Green Bay we saw many of you at the Annual Conference.



Chapter II sponsored registration for fifteen members who joined in attending educational sessions, the technical exhibits, the banquet at the Automobile Gallery and in general seeing everyone. Although I am still not sure which car really had the oval steering wheel.

Increasing attendance and chapter participation is something we will continue to strive to improve this year and beyond. We already have two facility tours lined up in Spring 2017 at Divine Savior in Portage and Unity Point – Meriter in Madison. So as we shift into gear, we look forward to our regularly scheduled first Thursday of the month lunch time meetings as well as membership growth in 2017.

Please join the Chapter II Facebook Group if you haven't already done so. We will continue to build on the success of using the Group to share meeting info and other relevant information.

In closing thanks again to Debbie Scherer our Past President, and fellow officers, John Pohlmann, Treasurer, Matt Georgeon, Vice President and Craig Carlson, Secretary. I look forward to seeing you at our future meetings.

### Meeting Dates:

- Thu Nov 3 - McKinstry, Madison, Facility metrics to help with CMS and the JC. 2.45– 11:30 am
- Thu Dec 1 – Esquire Club, Madison, Whole building video using Cat 5/6. – 11:30 am
- Thu Feb 2 – TBD
- Thu Mar 2 - Divine Savior, Portage, Facility Tour
- Thu Apr 6 – Unity Point-Meriter, Madison, Facility Tour
- Thu May 4 – Green Acres, Sauk City, Annual Banquet



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## Chapter IV Report



*Robert Whitney*  
Outgoing President

It was a challenging year for Chapter IV.

Membership dipped, mostly due to administrative changes within the former Ministry network of hospitals and clinic, resulting in complications with how chapter dues

are paid.

Meeting attendance was disappointing.

We have geographical challenges that other districts do not face.

We had initiated a move to later afternoon meetings in hopes that would encourage more attendance, and that failed.

In 2017 we will be going back to our "lunch" meeting format. In addition, we will be changing to the 3<sup>rd</sup> Wednesday of the month, in most part to accommodate the schedule of incoming president Tamarah Scholze, but feedback to the change has been very positive.

Overall, I think if we had more of a push from the department heads that the meetings are important, that we would see better attendance at the meetings.

One goal we had was to make meetings more beneficial to the attendees by pushing harder to open up a discussion forum where members share best practices, learning experiences, reviews both good and bad on new equipment and processes, and other items. This is a goal we certainly achieved

We were blessed to have some excellent educational opportunities, and our annual Trap Shoot was a lot of fun.

We welcome the 2017 incoming board members:

Tamarah Scholze – President  
Daron Juneau – Vice President  
Chuck Kostka – Secretary/Treasurer  
Troy Torgerson – Officer at Large

## Chapter V Summary Report



*Rick Casper*  
Outgoing President

Chapter V approved its current board at last year's October 15, 2015 meeting.

Current Board:

President: Rick Casper  
Vice President: John Mollner  
Treasurer: Kelly Roshell  
Secretary: Jason Beebe  
Officer at Large: Trent Yunker

Chapter V holds five meetings per year on the third Thursday of February, April, June, August and October. Our chapter goals are to increase membership and to provide value to our members with quality educational and networking opportunities.

This year Chapter V's first meeting was held February 18 2016 hosted by St. Croix regional Medical Center in St. Croix Falls. We had our business meeting and discussion followed by our educational presentation by Ron Fagerstrom and Steve McNattin from Precision Air products on reducing Hospital Acquired Infections in operating rooms using ultra clean air and airflow designs. Education was followed by a facility tour of Saint Croix Regional Medical Center.

Chapter V's second meeting of 2016 was hosted by Mayo Clinic Health System – Eau Claire on April 28 and this meeting was geared to educating our front line maintenance mechanics by having 3 different educational presentations each in their own conference room with attendees rotating through each presentation throughout the day. We promote it as our Mech training day. This year we had 35 attendees with educational presentations on:

- Fasteners and Anchors presented by Ben Seniola, applications engineer with Fastenal
- Air systems in Healthcare Facilities presented by Kris Dubiel, mechanical design engineer with MEP associates.
- Safety and accident prevention presented by Jackie Torgerson, certified safety professional with United Heartland.

All the staff I spoke with said the presentations were worthwhile and they learned something from each presenter.

Chapter V's third meeting of 2016 was on June 16 and was our Chapter V annual golf outing held at Rolling Oaks Golf Course in Barron. We had beautiful weather to have our business meeting and then enjoy a round of golf.

Chapter V held it's fourth meeting of 2016 on August 18 at Whispering Emerald Ridge Game Farm in Menomonie. Our business meeting was well attended and was followed with an educational session presented by Ben Klawitter certified filtration specialist with Filtration Systems Inc.. His presentation was regarding the use of UV-C in healthcare facilities for disinfection and for coil maintenance in air handlers. After the education session members were able to do a round of five stand shooting at Emerald Ridges five stand range.

Chapter V will hold its last meeting of 2016 on October 20 at the Super 8 conference room in Osseo. The agenda for that meeting will include approval of the new chapter V slate of officers which will be :

President: John Mollner  
Vice President: Jason Beebe  
Treasurer: Kelly Roshell  
Secretary: Trent Yunker  
Officer at Large: Darrell Courtney

## CMS Adoption of Emergency Preparedness Rule



Jeff Eckstein  
Co-Chair



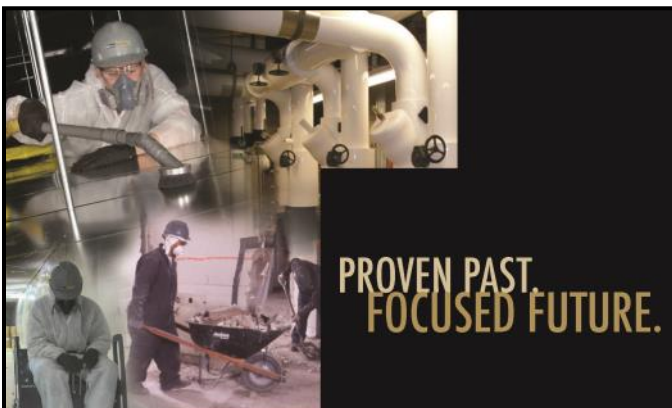
David Soens  
Co-Chair

As you likely have heard, CMS has officially adopted new emergency preparedness requirements for multiple health care facilities in response to natural disasters that have occurred over the past few years. Here are the highlights of the adoption.

- Final Rule can be located at <https://www.federalregister.gov/public-inspection>
- The rule will take effect in 60 days.
- Enforcement is anticipated to begin starting November 15, 2017.
- Resources can be found at <https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/Survey CertEmergPrep/Emergency-Prep-Rule.html>
- The following providers and suppliers are affected by this rule: hospitals, critical access hospitals, rural health clinics, skilled nursing facilities, home health agencies, ambulatory surgical centers, hospice, inpatient psychiatric residential treatment facilities, programs for all-inclusive care for the elderly, transplant centers, religious nonmedical health care institutions, intermediate care facilities for individuals with intellectual disabilities, outpatient physical therapy clinics, comprehensive outpatient rehabilitation facilities, community mental health centers, organ procurement organizations, and end-stage renal disease facilities.

The rule is quite lengthy yet in summary has four core requirements: (1) Emergency planning based on an all-hazard risk assessment, (2) Policies and procedures based on the risk assessment (3) Communication that is comprehensively coordinate at both federal and state levels, and (4) Training involving staff that actually test the plan via drills and exercises.

CMS reinforced that their goal is to keep patients and residents safe and provide a level of healthcare continuity during a disaster is in the best interest of all parties involved.



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## *FGI Guidelines Bulletin #1 - Public comment period, errata, interpretations*

*Submitted by Wade Rudolph, WHEA Advocacy Liaison, Codes & Standards Committee*



### **The 2018 Guidelines: Public Input Encouraged**

Now is your chance to weigh in on the proposed 2018 *Guidelines* documents. The public comment period is open and the Facility Guidelines Institute invites you to review and comment on its drafts:

- *Guidelines for Design and Construction of Hospitals;*
- *Guidelines for Design and Construction of Outpatient Facilities;* and
- *Guidelines for Design and Construction of Residential Health, Care, and Support Facilities.*

The public comment period will remain open through December 12, 2016. Input from professionals across the spectrum of health care and design is critical to the development of these fundamental design standards. To access the three *Guidelines* drafts and comment platforms, visit [www.fgiguideines.org/revision-process/2018-revision-cycle/public-comment-period/](http://www.fgiguideines.org/revision-process/2018-revision-cycle/public-comment-period/).

### **Guidance Requested on OR Ceilings and Procedure Definitions**

FGI is interested in your opinion on two issues the 2018 Health Guidelines Revision Committee (HGRC) has discussed at some length during this revision cycle:

#### **Operating room ceilings**

Should the *Guidelines* requirement for monolithic ceilings in operating rooms be changed in light of all the equipment that is installed in OR ceilings these days?

#### **Definitions for invasive and percutaneous procedures**

Review new definitions for “invasive procedure” and “percutaneous procedure,” developed by an HGRC task group to help *Guidelines* users determine how to apply the requirements.

### **Significant Changes from the 2018 FGI Guidelines Drafts**

The drafts of the 2018 *Guidelines for Design and Construction* of hospitals, outpatient facilities, and residential facilities feature some significant changes. Most notably, separate books have been created for hospitals and outpatient facilities to better address the unique requirements of outpatient facility types. See a summary of some of the significant changes in the drafts of the 2018 *Guidelines* documents.

### **Guidelines Errata and Interpretations**

After publication of the *Guidelines* documents, errors are sometimes discovered. These range from incorrect cross-references to actual errors in translating the committee’s design intent into requirements. An errata sheet showing corrections is kept for each document and posted on the FGI website. As well, users of the *Guidelines* sometimes request interpretations of content they find unclear. These interpretations are also posted on the FGI website. Please be

sure to check the website periodically to make sure you have the most current information as you use the FGI documents.



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### **About FGI, the Health Guidelines Revision Committee, and the Guidelines Revision Process**

The Facility Guidelines Institute is a not-for-profit corporation founded to provide leadership and continuity to the *Guidelines* revision process. The *Guidelines* documents are used by states to regulate health care facility design and construction, through adoption of the *Guidelines* as code, as a basis for state-written codes, as an adjunct to state codes, or for reference. Read more about FGI, the *Guidelines*, and revision of the *Guidelines* documents.

# WHEA's 2016 Annual Conference Recap



Mike Blackwood  
Committee Co-Chair



Derek Marshall  
Committee Co-Chair

WHEA's 51st Annual Conference, held this past September, had it's 6th year of record attendance. It is the first time we have broken the 300 registrant mark with a total of 314 attendees. The conference started with educational sessions on "Joint Commission Updates", "Combined Heat and Power for Hospitals", "Building Envelopes for Healthcare", and "Facing an Uncertain Future: Maximizing Your Security Program". It continued *(continued on page 11)*

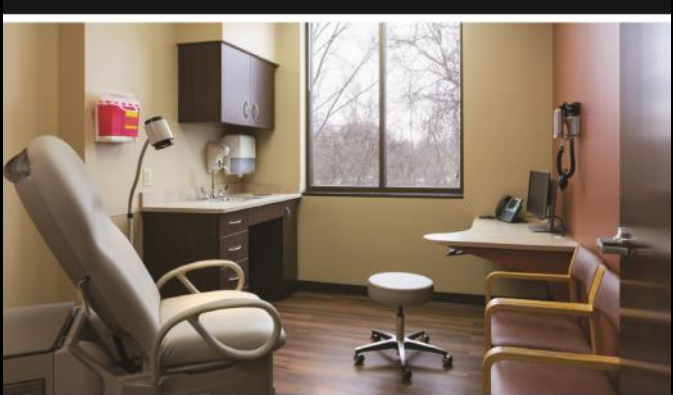
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## WHEA Annual Conference Recap (continued)

with an inspirational session from The John Foley Group and finished with WHEA's, ever popular, Codes & Standards Committee's update on everything code related. The evaluations that came back gave us high marks, both for the education sessions and the special events.

The Technical Exhibit, with it's 192 booths, is always a highlight for the attendees. Thank you to our exhibitors, this exhibit would not be what it is without you!

The annual banquet was held offsite at Green Bay's new conference venue "The Automobile Gallery". It was a beautiful place to hold our special event, with amazing vintage vehicles that looked back on the good old days along with delicious food from Joe's Texas Barbeque. Roger Elliott always makes the awards ceremony special with his historically unique way of recognizing our members for their years of service.

We would like to thank everyone who made this conference the best yet. The Conference Committee and all who volunteer their time are a dedicated group who deserve a great deal of thanks for all the time they put into this annual event. Planning is well underway for the 2017 52nd Annual Conference in La Crosse to be held on September 19th through the 22nd. Be sure to mark your calendars and we'll see you there!

## Chapter VI Report



Chris Patraw  
Chapter President

The last Chapter VI meeting was held on September 16<sup>th</sup> at La Crosse Building Exchange where we had a great turn out. We voted on six new members that were all approved.

Wade Rudolph, part of the Code Committee, reviewed the new code changes to the NFPA-99-2012. The Chapter discussed the upcoming WHEA State Conference. A free ASHE membership was given to Steve Logging by the Chapter.

The Chapter VI education session was presented by Bob Kroening. He spoke about how the CMS adoption of the NFPA-99-2012 affects health care facilities maintenance staff.

Our next education session in November is on Health Construction ILSMs and ICRA's – Overview of Components.

The next meeting is scheduled for November 1<sup>st</sup> at 12:00 p.m. at the La Crosse Building Exchange.

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## 2016 Robert H. Botts Healthcare Engineering Pioneer Award Recipient



*Paul Feldner*

### Narratives by Dan Loest and Carl Budde

In 2016 Paul Feldner celebrated his 47th year as a member of WHEA. In those years Paul has been a true Pioneer to WHEA and Healthcare engineering. Paul served Agnesian HealthCare for 32 years as a leader in the Plant Services Department, and for five years with CD Smith Construction as a healthcare project manager before retiring from his profession. In his 46 years of service to WHEA and Chapter III Paul was a Pioneer in many ways. In his early years Paul served as chapter president and ultimately state president in 1982. He continued to serve as Chapter III Secretary/Treasurer maintaining the books, organizing meetings, and helping many chapter leaders (new and young) through the leadership ranks of Chapter III and WHEA – including myself! Through the 1980's and 2000's Paul continued his commitment to the organization chairing the Education Committee, pioneering many initiatives during a time when education became a strong focus of WHEA. Following his retirement Paul again did not simply walk away, he immediately became a member of the Resources Committee and fast became an active member of this distinguished group, and continues his service to this committee today.

Paul also chaired the Bylaws Committee for three years, recently stepping away from this role in 2015. In addition to his role on the Resource Committee, Paul is always open to serve on special committees when asked.


His love and dedication to healthcare engineering and WHEA is below none. In the mid 1980's Paul was involved with a pioneering group of WHEA members who spearheaded the Annual Plant Operations and Maintenance Employee Appreciation Day. This accomplishment was highlighted by the first signing of the proclamation in January 1985 by then Wisconsin Governor Anthony Earl. One cannot page through the Annual WHEA Directory without noticing a picture of this momentous day!

For 47 continuous years of service Paul has been there as an advocate of healthcare engineering, a leader at many levels of WHEA, and a mentor to many young healthcare engineers - a true Pioneer!

Paul has been an "active" member since joining in 1969. Over these 47 years Paul has served in a leadership role on several committees as well as on the state board. Paul was chair of the education committee in its formative years. He served as WHEA President in 1982.

Paul continues to be "active" in various capacities since his retirement including as a member of the resource committee, chairman of the by-laws committee and currently serves on the board in the retired board position.


Recognition of his many contributions is long overdue. Paul Feldner is indeed a "Pioneer" of WHEA.



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## 2016 Founding Fathers Award Recipient



*Tom Evers*

*Narrative by James Teunas*

One individual among the many members in the Association stands out and I feel should be recognized for his efforts in the health care industry. Tom Evers has been an active member of WHEA's, Chapter III since 1999, serving most recently as the WHEA Chapter III President in 2014. During his Chapter III presidency, Tom focused the chapter on education, providing programs on topics such as Building Envelope & Energy Savings, Infection Prevention, Room/ Building Pressurization, Emergency Generators and Electrical Safety. Beyond the focus of education, Tom also promoted networking and camaraderie by establishing an annual Chapter III banquet that included spouses, the first one to be held at Lambeau Field.

In my many years in the industry, I have never met a more hardworking, dedicated and capable individual. Tom has many accomplishments and made many contributions for hospitals and healthcare organizations in Wisconsin. From being a master plumber to a licensed medical gas professional to his current position of Project Manager, Tom demonstrates leadership and a pioneering attitude.

Tom has been in the mechanical trades since 1989 starting as an apprentice Plumber. Tom was a Project Foreman in 1992 and ran various projects from small to very large. He also managed manpower for various trades. Tom ran various types of projects from new schools, food manufacturing, office buildings, utility projects and of course hospital construction and retrofits. He earned Master Plumbers License in Wisconsin in 1996. Tom is a Licensed Medical Gas Installer, Inspector and Verifier. In 1999 Tom started Response Medical Gas, an inspection / verification and service company. From design and estimating to project management and cost tracking, Tom is a pioneer in the industry.

Tom has worked at many hospitals throughout Wisconsin, but notably he has been part of larger projects at Aspirus Wausau Hospital, ThedaCare – Neenah (formerly Theda Clark Medical Center), St. Elizabeth Hospital in Appleton, Mercy Medical Center in Oshkosh, ThedaCare – Appleton (formerly Appleton Medical Center), Riverside Medical Center in Waupaca and Aurora Hospitals and Clinics, just to name a few.

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Dennis Havlik  
Committee Chair

The Wisconsin Healthcare Engineering Association (WHEA) is in the process of acquiring requests for sponsorship for 2017. 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](http://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 be informed by January 1<sup>st</sup> if your sponsorship request has been accepted. At that time your payment will be processed and you will be contacted regarding your sponsorship level opportunities.

Please go to [www.whea.com](http://www.whea.com) and click on the Sponsorship tab for complete information on each level of sponsorship and the link to the sponsorship application. Applications are due by November 2016.

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# Employment Opportunities

Are you looking for a change -- an opportunity to advance your career?

Check out the following pages for employment opportunities available for healthcare facilities professionals.

Current employment opportunities can be found at [www.whea.com](http://www.whea.com) under the "About Us" tab.

## OSF Healthcare Ministry Services

### FACILITIES OPERATIONS PROGRAM MANAGER

#### Job Description

The Facilities Operations Program Manager works under the general supervision of the Vice President of Facilities Planning and Operations. The Program Manager supports the implementation of standard work processes, measurement and evaluation of facilities management performance and manages the Ministry Environment of Care Peer Review process for continuous survey readiness.

#### Primary Location

Peoria IL

#### Required Qualifications

- A Bachelor's Degree in Engineering or Business Management is required. A Master's degree in business and advanced knowledge of database development and management are highly desirable.
- Knowledge of facilities management processes for a complex multi-site organization
- Excellent computer skills including Microsoft Office
- Experience with capital and operations budgeting processes
- Familiarity with the performance measurement and evaluation processes such as PDCA or TQM
- Programming level knowledge of Microsoft Access or similar database software
- Seven years of progressive experience working in a management role in facilities management in a complex multi-site organization
- Detail oriented
- Excellent written and oral presentation skills
- Excellent financial analysis skills
- Excellent problem solving skills
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## ***Employment Opportunities*** *(continued)*

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- Developing solutions across UW Health's 5 million square feet of buildings.
- Planning developing and managing capital projects. Projects range in size from \$5,000 - \$250 million. Average annual project count under management exceeds 80 projects with an average total dollar volume of \$50 million.
- Coordinating and analyzing data related to capital projects and preparing proposals regarding facilities development and modifications in collaboration with business planning partners including clinical and fiscal departments.
- Preparing progress reports on capital projects and identifying issues and problems affecting the successful outcome of the project.
- Participating in UW Health strategic planning and providing advice related to facilities needs, development, and management.
- Managing the UW Health Space Committee and Facility Operations Team.
- Directing UW Health long range facility planning including Medical Foundation and regional partners.
- Coordinating with and liaison with architects and engineering firms.
- Directing the UW Health Building Information Modeling system.
- Direction the creation of competitive processes for all consultant and project acquisition methods.
- Reviewing architectural/engineering contracts and participating in negotiations for UW Health.
- Developing leases, leasehold improvements and monitoring leased facilities for UW Health.
- Coordinating with the Facility and Engineering Services Dept on CSC space, refresh programs and way finding improvements.

Monday - Friday, 8:00 AM - 5:00 PM. This is a full-time position with 40 hours per week. Additional hours could be required to assist with department operational needs.

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## *Employment Opportunities (continued)*

### **Mercy Health System**

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The professional we select for this vital role will oversee the activities of workers engaged in operating and maintaining facilities, equipment, and grounds. This individual will participate in process and project management of special requests, direct Materials Management departments as assigned, and manage Mechanics and Support Services technicians to meet the needs of the hospital and clinic staff. In addition, this person will:

- Interview, hire, and train employees.
- Assign/direct work, appraise performance, reward/discipline employees, address complaints, and resolve issues.
- Manage the regulatory aspects of facilities functions, assure compliance with codes, work with regulators, and interact with local jurisdictions as well as hospital and clinic staff.
- Inspect facilities, grounds and equipment to determine the service, equipment, and type/number of operation/maintenance personnel needed.
- Assign workers to such duties as maintenance, repair or renovation and obtaining bids for additional work from outside contractors.
- Direct contracted projects to assure quality and verify adherence to specifications.
- Purchase building and maintenance supplies, machinery, equipment and furniture.
- Help to plan and administer building department budget.
- Compile records of labor and material cost for operating building and issue cost reports to owner or managing agents.
- Prepare construction specifications or plans and obtain assistance from architectural and engineering consultants.
- Assemble/analyze contract bids and submit recommendations to superiors.
- Maintain knowledge of the various codes and standards applicable to facilities and operations managed.
- Maintain appropriate documentation to demonstrate compliance with TJC, State and Federal Agencies, authorities having local jurisdiction and industry standards for proper preventative maintenance.
- Coordinate supplies and distribution to the clinics.
- Participate on various committees.
- Manage contracts for maintenance, cleaning, and groundskeeping.

#### Required Credentials:

- Bachelor's degree from a four-year college or university OR five or more years of related experience/training in healthcare mechanical or electrical trades.
- Extensive knowledge of contract-management systems.
- Proficiency with software for the following: inventory, project management, spreadsheets, computerized maintenance management systems (CMMS), and word processing.
- Ability to maintain a valid driver's license with proof of vehicle insurance.

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## *Employment Opportunities* (continued)

### **Aspirus Wausau Hospital**

#### **Master Electrician**

The Master Electrician is accountable for Aspirus facilities electrical systems design, operation and maintenance. Installs, tests and repairs electrical components and power distribution circuits

#### Education

- Knowledge of electrical standards and practices normally acquired through completion of a high school diploma or equivalent, and completion of a State approved electrician apprentice program.
- An Associate/Technical School Degree in Industrial Electronics with courses in blueprint reading, mathematics and physics beneficial.

#### Experience

- Ten years' experience as an electrician.
- Background in industrial and commercial construction and maintenance with an emphasis on maintenance and service necessary to enhance and develop skills.

#### Required

- Possesses an active Wisconsin Master Electrician license.

#### Driver's License Required

- Possesses a valid Wisconsin Driver's License.

For more information contact: [www.aspirus.org/careers](http://www.aspirus.org/careers) or email [Tammy.Bents@aspirus.org](mailto:Tammy.Bents@aspirus.org).

Aspirus Wausau Hospital is a **Magnet** facility licensed for 325 beds that is staffed by 350 physicians in 35 specialties. It is the flagship of the Aspirus system that serves patients in 14 counties across northern and central Wisconsin, as well as the Upper Peninsula of Michigan.

Aspirus Wausau Hospital provides primary, secondary and tertiary care services as a regional referral center. Specialty referral service emphasis exists in cardiology and cardiothoracic surgery, orthopedics and cancer. The hospital has an average daily inpatient census of 160 with approximately 15,000 admissions per year. Outpatient visits exceed 50,000 and there are also more than 24,000 annual emergency department visits.

Best known for its world-class cardiovascular program, Aspirus Wausau Hospital also provides leading edge cancer, trauma, women's health, and spine and neurological care.

The hospital is continually recognized nationally for the level of care it provides. Aspirus Wausau Hospital has earned high quality ratings or awards from prominent quality agencies such as HealthGrades, Thomson Reuters, Truven Health, Becker's Hospital Review, Mission: Lifeline® and U.S. News & World Report.



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