

JAN. - MEETING AGENDA

DATE:

TUESDAY, JANUARY 16, 2023

* **OFFSITE JOINT MEETING:
W/ ASPE EMC / ASHRAE DETROIT**

WHERE:

* **The International Banquet &
Conference Center - The Beaubien Room
400 Monroe St. Detroit, MI 48226**

4:00 PM - 5:00 PM

Natural Gas Piping Design

5:00 PM - 6:00 PM

Social Hour

5:45 PM

Dinner

6:00 PM - 7:00 PM

Boiler Code Changes

REGISTRATION REQUIRED

IN-PERSON: <https://www.eventbrite.com/e/ashrae-detroit-aspe-emc-joint-january-2024-meeting-tickets-781137572507>

SEE INSIDE COVER FOR TABLE OF CONTENTS

William Grayzar, CPD, GPD, FASPE President of ASPE EMC



Happy New Year members of EMC-ASPE!

I hope everyone enjoyed a wonderful holiday season with family and friends and some needed time off. Unfortunately, it is or will soon be time to get back to our normal routines once again and EMC-ASPE is no different. Here are some upcoming events.

Our upcoming meeting, on **January 16, 2023**, will be an "Offsite" joint meeting with ASHRAE and will be held at the **International Banquet and Conference Center** located at **400 Monroe Street** in **Detroit MI** in the **Beaubien Room**. Please note this meeting will be on the **third Tuesday of the Month**, in lieu of the second and will begin at **4:00 PM**.

The early design class will cover **Natural Gas Piping Design** presented by myself (William Grayzar) followed by dinner and a technical session covering the recent changes to the **Michigan Boiler Code** and will be presented by the State of Michigan Chief Boiler Inspector, Mr. David Stenrose. I look forward to seeing you there!

Speaking of codes, just a reminder the **2021 Part 7 MPC** (Michigan Plumbing Code), **2021 Part 9a MMC** (Michigan Mechanical Code) and the **2021 Part 8 MEC** (Michigan Electrical Code) **will go into effect on March 12, 2024**, according to the State of Michigan's department of Licensing and Regulatory Affairs (LARA) website. The 2021 Part 4 MBC (Michigan Building Code) and the 2021 Michigan Rehabilitation Code filing and effective dates are pending.

World Plumbing Day (WPD) is held March 11, 2024 and will be here before you know it, followed by the March 12, 2024 EMC-ASPE chapter meeting, and our annual NASPE racing event to celebrate WPD. WPD is a date that has been fixed on the calendars of the World Plumbing community since its establishment by the WPC in 2010 and is now a fixture on the calendars of political and social institutions around the globe. If you want to participate in our annual NASPE racing event reach out to the EMC-Board to obtain a race car kit and get building. The kits are free to members of EMC-ASPE and will be available at the January and February chapter meetings.

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JANUARY BOARD MEETING

Tuesday, 1/2/24 @ 4:30pm
 Online Meeting

JANUARY PROGRAM

OFFSITE JOINT MEETING

w/ ASPE EMC AND ASHRAE DETROIT

Tuesday, 1/16/24, 4pm - 7pm
 The International Banquet &
 Conference Center - The Beaubien Room
 400 Monroe St. Detroit, MI 48226

NASPE RACES - IN CELEBRATION OF WORLD PLUMING DAY!

Tuesday, 3/12/24
 Held during the March 2024 Meeting
 Flyer on pgs. 10-11

ASPE EMC GOLF OUTING

Tuesday, 6/11/24
 The Links of Novi
 Flyer on pg. 9

President's Report (cont. from page 1) Bill Grayzar, CPD, GPD

Here are a few interesting facts about water:

- 75% of the human brain is water and 75% of a living tree is water.
- Water expands by 9% when it freezes. Frozen water (ice) is lighter than water, which is why ice floats in water.
- Water regulates the Earth's temperature. It also regulates the temperature of the human body, carries nutrients and oxygen to cells, cushions joints, protects organs and tissues, and removes waste.

Some other upcoming dates to be aware of:

- March 4, 2024, World Engineering Day which provides an opportunity to celebrate engineering and the contribution of the world's engineers for a sustainable world.
- March 22, 2024, World Water Day (WWD) which is a day to unite and focus our efforts on accelerating change to solve the water and sanitation crisis. This theme for WWD 2024 is "Groundwater: Making the Invisible Visible". The theme aims to highlight how important groundwater is to our environment.
- April 25, 2024, National Hug a Plumber Day which recognizes the often-overlooked heroes that come to our rescue when pipes leak, drains clog and who also help keep our homes running smoothly.

I look forward to seeing you on January 16th at the International Banquet and Conference Center in Detroit and at other future events.

Bill



**LATEST NEW MEMBER
 ~ WELCOME ~**

**ASHLEY COLLINS
 WARREN HILL**

JANUARY DESIGN SESSION

4:00-5:00 PM

TOPIC: Natural Gas Piping Design

Presenter: **WILLIAM GRAYZAR**, CPD, GPD, FASPE

DiClemente Siegel Design / ASPE EMC President



William Grayzar

Mr. Grayzar is the president of the Eastern Michigan Chapter of ASPE. He has over 35 years of experience in architecture and engineering. Employed with DiClemente Siegel Design Inc. for over 20 years, Bill continues to enhance his system engineering skills through additional vocational field training. Bill has an excellent working knowledge of Michigan's current building codes and regulations. Bill holds an Associate's Degree of Architectural Technology from Delta College and certifications in Plumbing Design and Green Plumbing Design from ASPE. Bill is active with the National Society of ASPE serving on numerous committees. Bill also serves as the current President of the Code Study and Development Group of Southeast Michigan and is a member of National Fire Protection Association. Bill received the Michigan Chapter of ASSE award as Engineer of the Year in 2013.

Description: In this presentation we will review terminology, governing codes, various components, distribution and design considerations, and materials and joining methods associated with fuel gas piping systems. We will review how operating pressures and pressure losses affect system design. We will learn how to determine building total load and how to design and size building fuel gas piping distribution systems.

New This Year:

Design classes will be centered around the CPD Exam- attend all 7 classes and receive a CPD Study Guide.

About Registration and CEUs:

You will need to register using an Eventbrite link that will be in the email. This allows us to know how many people we can expect. We require sign in/sign out sheets and your CEUs will be submitted to national within 1 week of our event. It may take up to another 2 weeks for the CEUs to show in your ASPE Education log. The PITC does have guest protocols we will have to obey in order to meet there, so please follow all posted signage and procedures.

JANUARY TECHNICAL SESSION

6:00-7:00 PM

TOPIC: Boiler Code Changes

Presenter: **DAVE STENROSE**

Bureau of Construction Codes, Department of Licensing and Regulatory Affairs / Chief Boiler Inspector



William Grayzar

Dave was born and raised in SE Michigan, he attended H.S. in Livonia and from there went into the Navy and served six years as a nuclear propulsion plant operator. Daved worked for McGraw Edison service group, Hartford Steam Boiler as a boiler inspector, then Rouge Steel as a blast furnace auxiliaries operator. He earned his BSME from Lawrence Tech. in Southfield. Stenrose came to the State as a boiler inspector in 2010, became Assistant Chief in 2013, and then Chief in 2016.

Description: In this presentation the presenter will discuss the Michigan Boiler Code relative to any recent updates.



IN THE KNOW

EMC 45TH ANNIVERSARY HISTORY BOOK IS STILL AVAILABLE!

Cost for printed book - \$50, check or credit card accepted

Pick up @ SES or during a chapter meeting

FREE digital download on the ASPE EMC website.

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- \$250.00 for the 1st table per meeting/per vendor
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VP Technical Report

Pam Hartsell, CPD, PMP



Happy New Year Eastern Michigan!

Our December 2023 program was a great way to wrap up the calendar year. EMC President Bill Grayzar shared his expertise with a class about storm system design, which received great reviews! While we weren't able to record it, I'm sure Bill would be happy to share a PDF of his presentation with anyone who

requests it. Feel free to reach out to Bill at: president.aspe.emc@gmail.com.

Our Technical Presentation was an informative panel discussion about water treatment, the different types and applications and what to consider when choosing a methodology. The panelists represented several different technologies, including nanobubbles, chemicals, and temperature assisted crystallization, which are all ways to improve water quality and reduce maintenance on the system, as well as mitigate legionella. The conversation touched on sustainability, regulatory compliance, cybersecurity, and owner training. It was a well-rounded discussion which was well received by the audience.

Our collection effort for the Engineering Society of Detroit Holiday Toy drive was a great success once again, and we are very thankful to everyone who donated new, unwrapped toys for one of the many deserving children in our area. After dropping off the carload of toys, I stayed to attend the ESD Affiliate Council Meeting in-person and got to spend time with representatives of other engineering societies in the Detroit area. We are all part of an elite group of professionals, working hard to protect our planet through education and innovation.

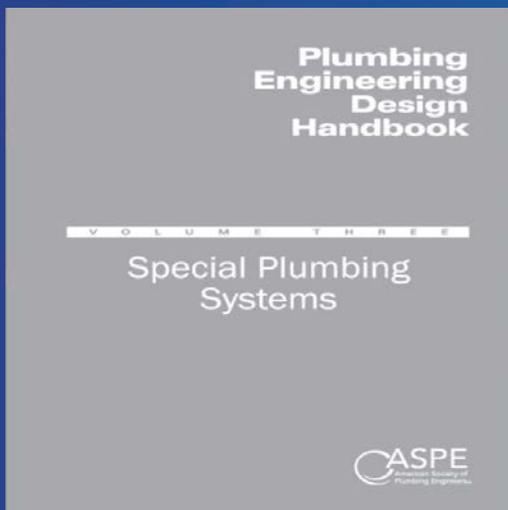
Next month is our annual joint meeting with ASHRAE Detroit, which will be held at the International Banquet and Conference Center in Greektown on January 16th. The meeting is fully sponsored, so it's free to both members and non-members. Our design class will start at 4:00 and will cover natural gas system design, taught by EMC President Bill Grayzar. This will be the fourth in our series that counts towards attendance for the free copy of CPD Study Guide, and we're grateful to Bill for returning to the stage for third time this season.

The Technical Presentation will be a brief after-dinner discussion about recent changes to the boiler codes, presented by Dave Stenrose, Chief Inspector, State of Michigan Boiler Division. We are very thankful to Mr. Stenrose for taking the time to share this important information with both organizations. You can register for the meeting at this link: <https://www.eventbrite.com/e/ashrae-detroitaspe-emc-joint-january-2024-meeting-tickets-781137572507>

As we plan for what the new year will bring us, and resolve to make changes in our lives, I hope everyone takes a moment to reflect on their growth over the past year with gratitude and appreciation. I know there are big things in store for me in 2024, and I hope the same is true for you!

As always, please reach out to me if you have any questions.

Your Chapter VP Tech,
Pam Hartsell
vpt.aspe.emc@gmail.com



ASPE MEMBERS NOW HAVE ACCESS TO THE NEW UPDATED VERSION OF THE PLUMBING ENGINEERING DESIGN HANDBOOK - FOR FREE!

[Click here to find out more.](#)

VP Membership Report

Josh Pedraja, ASSE 6060



We want to welcome in a new member to our Chapter and ASPE Family; Warren Hill of Equipment Controls Company!! Welcome to the ASPE Family!!

Happy New Year, Eastern Michigan!! We're half-way through the ASPE season and each meeting we have had strong turn-outs. If you're a current member and have

not come to a meeting in Troy, please come out and join us!!

Golf update 2024: SAVE THE DATE! Tuesday, June 11th 2024 is our 2nd Annual Golf Outing. It will be held again at The Links of Novi in Novi. Stay tuned for more information!

ATTENTION STUDENTS:

DID YOU KNOW that ASPE also offers scholarships to qualifying students up to \$5,000?! Please check out the Alfred Steele scholarship at <https://www.aspe.org/membership-global-community/membership/alfred-steele-scholarship-application/> for more information and application. **The deadline for entry is January 31st 2024.**

This scholarship is named in honor of Alfred Steele, PE, a long-time member of the American Society of Plumbing Engineers and a visionary and pioneer in advocating education and professional development for plumbing engineers and designers.

Connect with and Follow us on LinkedIn (ASPE Eastern Michigan Chapter). We have up to date announcements and different posts that are educational, entertaining and informative on current events happening in our Plumbing World!

Membership renewal! If you are up to renew your membership, remember to do it today! We don't want to see you go!! There is a new option to be a part of multiple chapters! If you are interested, please keep The Eastern Michigan Chapter as your home chapter and signup for as many others as you wish for only \$80 per chapter. You can also take advantage of Multiple-Year Membership Renewal. Save on your ASPE membership dues if you join or renew for more than one year! • 5% Discount for a two-year renewal. • 10% Discount for a three-year renewal.

Current Members: Let's not forget our mission to bring in fresh faces – we're all about embracing and empowering younger members. They bring new energy and ideas that keep us on our toes and moving forward. Together, we're building something fantastic here, and we're grateful for each one of you who's part of it. I feel this is a great time to challenge you to invite someone to join our chapter! As always, the Eastern Michigan Chapter of ASPE is looking for new members! Do YOU know of any?? Anyone that would benefit in Plumbing Technical Publications – Plumbing Convention and Technical Symposiums - Certifications in Plumbing Design – Plumbing Codes and Legislation – Continued Education Programs and networking with peers throughout the plumbing industry. Please send them my email address and we'll get them signed up with this great organization. vpm.aspe.emc@gmail.com



2024 CPD Exam

REGISTRATION Opening Soon

Exam Dates: April 15-26

CERTIFIED IN
PLUMBING DESIGN

Member Birthdays

JANUARY BIRTHDAYS

Warren Hill. 1- 01
Mike VanPutten 1- 01
Kristin Simoneaux . . . 1- 09
Mike Melaragni 1- 18
Steven Benaske 1- 23
Leah Bosma 1- 29
Maureen Finn 1- 30

* Member birthday list provided by VP Membership, Josh Pedraja

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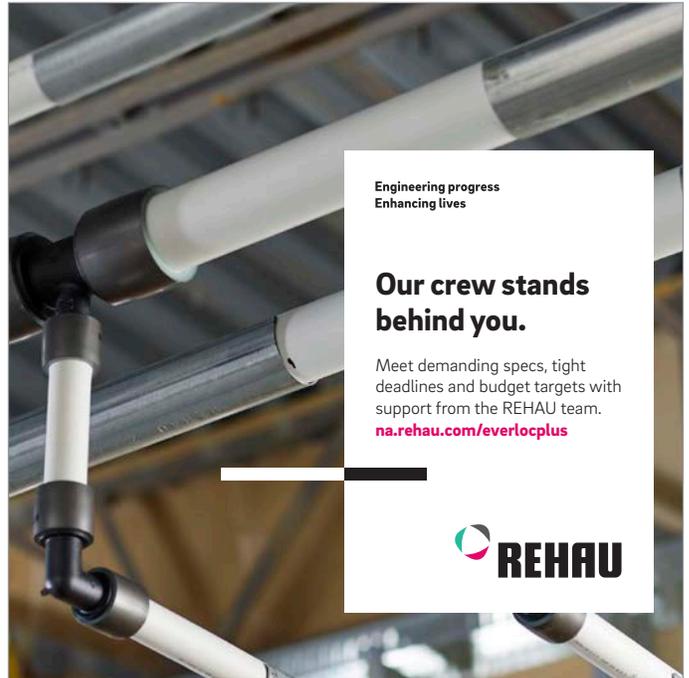
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2ND ANNUAL GOLF OUTING



TUESDAY, JUNE 11, 2024



**THE LINKS OF NOVI
NOVI, MICHIGAN**



In celebration of
World Plumbing Day
the EMC-ASPE will be
hosting the following
event at the
March 12th, 2024 meeting:



NASPE racing is a timed race similar to a Pinewood Derby Race utilized in the Cub Scouting Program around the world.

The NASPE Race is themed to celebrate World Plumbing Day.

World Plumbing Day is an international event held every year on March 11 and was initiated by the World Plumbing Council to celebrate the important role plumbing plays in the health and safety of modern society.



EMC-ASPE is encouraging chapter members to design, build and race cars in celebration of World Plumbing Day. A raffle along with trophies, awards and prizes will be provided at the event. Based on the number of entries awarded may be provided for:

- Fastest race time (1st, 2nd and 3rd Place)
- Best representation for World Plumbing Day
- Best representation of a plumbing product.
- Best representation of a plumbing tool.
- Best green design

**Car Kits are Free to all EMC-ASPE Members
you can contact any of the chapter board
members!**

DINNER – RACING - PRIZES

EMC-ASPE Board members will serve as Official Judges for the event and William Grayzar chapter President will serve as the race moderator and official.

OFFICIAL RACE AND ASPE TECHNICAL MEETING:

WHEN: Tuesday, March 12th, 2024.

WHERE: Plumbing Industry Training Center located at 1911 Ring Drive in Troy, Michigan

AGENDA:

- | | |
|---------------------------------|---|
| ➤ Design Class | 5:00 P.M. till 6:00 P.M. |
| ➤ Race Registration & Weigh-In: | 6:00 P.M. till 6:30 P.M |
| ➤ Dinner | 6:00 P.M. till 6:30 P.M. |
| ➤ Technical Session | 6:30 P.M. till 7:30 P.M. |
| ➤ NASPE Race | 7:30 PM till completion (approx. 8:00 P.M.) |



CODES AND STANDARDS for NASPE Racing are as follows:



OFFICIAL RACE CAR DESIGN BUILD KIT:

1. Official Race Car Kits must be the same as those used for the Cub Scouting program pinewood derby races. Car kits will be available at the ASPE Technical meetings, or the can be obtained by contacting an ASPE board member. The **kits are free for members** and will be available at the December, January and February technical meetings. Official car kits may also be purchased from your local scout store.
2. If you have a child, grandchild, nephew, etc. involved in Cub Scouting, please feel free to use their car for the NASPE race, provided it meets the Specification for Construction requirements. Car must still be registered and weighed-in on the night of the event to be eligible for prizes.
3. Participants may enter more than one (1) car for the event, but only the first car kit is free. Addition kits can be purchased at a cost of \$6.00 each.



CAR SPECIFICATIONS FOR CONSTRUCTION: (Also see sheet included with your official car kit).

1. WEIGHT: 5 ounces **maximum** (but can be lighter). Min. weight of 4 ounces is suggested.
2. LENGTH: 7 inches **maximum** (but can be shorter).
3. WIDTH: 2 3/4 inches **maximum**, and 1 3/4 inches **minimum** between the front wheels and the same between the rear wheels. Otherwise, your car will not fit over the track guide rail.
4. CLEARANCE: 3/8 inches **minimum** from bottom of car to track (rail) top. Otherwise, your car will not clear the track guide rail.
5. WHEELS: You must use the wheels supplied with your official car kit (or similar BSA official racing wheels available at your local scouting shop).
6. Axles do not necessarily have to be placed in the pre-drilled slots, but the axle (nails) supplied in your car kit **MUST** be utilized.
7. **NO**, bearings, moving or loose parts are allowed **ANYWHERE** on or in the car.
8. The car shall not ride on any kind or type of spring.
9. Graphite (or dry lubricant) may be added to the wheels until the car is registered and weighed-in, but not after. **No Liquid or oil base lubricants will be allowed** as they can ruin the racing surface.
10. Magnets are not allowed anywhere on the car as they may interfere with the timing system.

REGISTRATION AND WEIGH-IN PERMITS:

1. All cars must be registered and weighed-in to be eligible to participate in the event.
2. Your official car number will be provided during registration and weigh-in period.
3. Cars will be impounded (retained) by the race staff until completion of the event at which time they will be returned to the participants.
4. If a car is not in compliance with the codes and standards outlined above it will be disqualified and will not be eligible to receive trophies and awards. However, at the discretion of the race official the car may still be allowed to race.
5. If you are unable to be present for the registration and weigh-in period, but still wish to participate, please contact the EMC-ASPE Board or the race official to make arrangements register and weigh-in car prior to March 12th, 2024.

“Good Luck and Have FUN Racing”



ASPE Mentoring Program

The Women of ASPE are excited to introduce ASPE's new Mentoring Program!

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

Who Is a Mentor?

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

Who Is a Mentee?

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

For more information click below:

<https://connect.aspe.org/aspe-mentor-match/mentoring>





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DECEMBER MEETING

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Dann Holmes
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Hank Koppelo
Michael Melaragni
Gary Taggart
Brandon Watts
Cindy Zatto

DECEMBER MEETING PHOTOS



Benkari brought a whole team!



EMC President Bill Grayzar presented Storm System Design

DECEMBER MEETING PHOTOS



Larry D'Ascenzo (left) was our lucky raffle winner!

DECEMBER MEETING PHOTOS



Thank you to our meeting sponsors!



Presenter, Bill Grayzar (center right), and panelists (left to right) Joe Ham, Rick Atkins and Mike Kennedy received certificates of appreciation.

DECEMBER MEETING PHOTOS



Our collection effort for the Engineering Society of Detroit Holiday Toy drive was a great success once again and we are very thankful to everyone who donated new, unwrapped toys for one of the many deserving children in our area.



Personal items were also collected and distributed to those in need. Thank you to all those who contributed.

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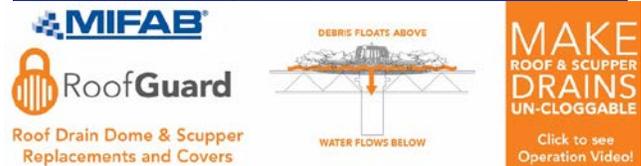
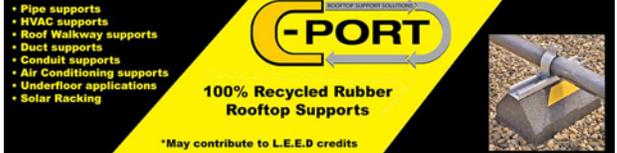
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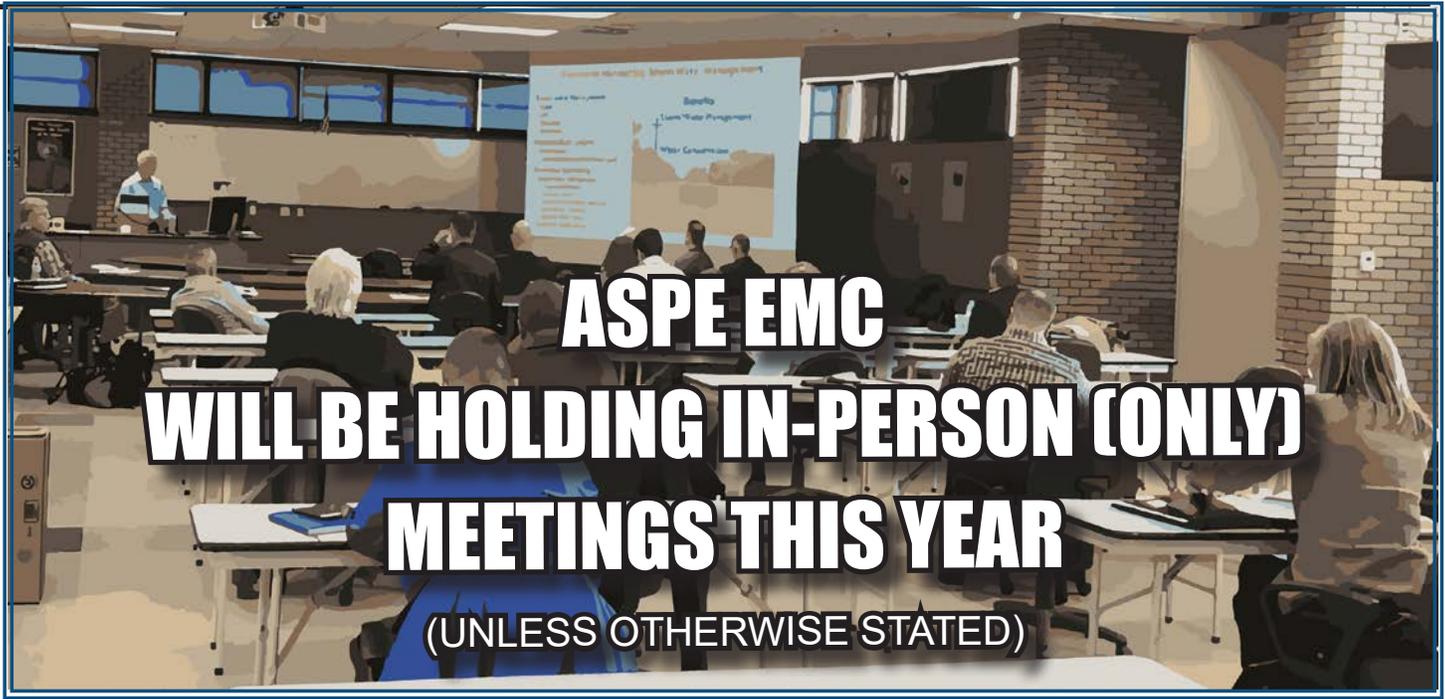
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