

OFFICERS

The Electrical Board of Missouri and Illinois

Vol. 113 No. 9

SEPTEMBER 20, 2022

LAST CALL FOR ILLINOIS ELECTRIC POWER

(Virtual Program) 4 pdhs offered if you attend both days

Cost: \$45 per Company for EBMI Members \$50 per person for non-member Companies (One price whether you attend one or both sessions)

Tuesday, September 27th and Wednesday, September 28th

Two hours each day – 2 pdh for each day 7:30 – 9:30 am - Virtual Teams Platform

September 27th Topics

The Changing Energy Landscape and Keeping the Lights On Regulatory update – Change Keeps Coming Energy Efficiency Incentives Vendor product segment

September 28th Topics

Battery Energy Storage: Technology attributes and customer-sited Deployment trends ABCs of Home Standby Generators NEC Article 700 for industrial Generators

ENROLLMENT FORM – (Please Print)

Email this information before September 26th to annie@electricalboard.org

Check one: Will call EBMI with Mastercard, AMEX or Visa info Will forward check to EBMI, 900 S. Highway Dr.-Ste. 203 – Fenton, MO 63026 prior to deadline

1)	Name			e-mail
		□ YES	🗆 NO	Will attend 🗌 Both 🗌 Sept 27 th 🔲 Sept 28 th
2)	Name			e-mail
	Pdhs	🗌 YES	🗆 NO	Will attend 🗌 Both 🗌 Sept 27 th 🗌 Sept 28 th
Cor	mpany			Address
City/State/Zip				Phone

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Bill Regan

About the upcoming Christmas Mixer on Thursday, December 1st at the St. Charles Convention Center. As you may recall, in 2020 we cancelled the Christmas Mixer and held a Christmas Raffle. In 2021, we held the Christmas Mixer but made many changes to the event due to lingering Covid.

This year, the decision has been made to return to a normal Christmas Mixer. Info about reserving tables will be sent in October to those individuals that have reserved in the past.

Hospitality bars will be open before, during and after the Christmas Mixer program. We do close the bars for a short time to get everyone seated to start the luncheon.

Jackpot sales benefitting the EBMI Scholarship Foundation will be returning <u>with one exception</u>. We have decided not to have Miss Santas selling Jackpot tickets for Mixer 2022 and moving forward. The Board of Directors have agreed with this decision.

We are asking for industry associates to help us sell the jackpot tickets. Several industry associates have already volunteered but we need a few more. One person will handle the jackpot tickets and another person will assist them with the money. If you are interested, please email me at <u>bill@electricalboard.org</u>.

ELECTRICAL EXPO



IN MEMORIAM

The Electrical Board officers and staff express our sincere condolences to **Debbie Conley**, retired from Frost Supply whose husband Pierce passed away on August 27th; and to the family of **Bill Loehr**, retired from Ameren who passed away on September 7th; and to the family of **Elaine Huntebrinker**, retired from Rexel who passed away on September 18th,

CALENDAR OF EVENTS

See calendar on www.electricalboard.org

For details go to <u>www.electricalboard.org</u>
ILLINOIS ELECTRIC
POWER ISSUES
Virtual Program
7:30 to 9:30 am
MISSOURI ELECTRIC
POWER TOPICS
Virtual Program
8:00 am and 12 noon
EBMI Bowling night
Bowlero Lanes
(info included in this FLASH)
VARIABLE FREQUENCY DRIVE
8:00 am to 12 noon
EBMI Office
(Enrollment form in this FLASH)
ARC FLASH AND
ELECTRICAL SAFETY
8:00 am to 12 noon
EBMI Office
(Enrollment form in this FLASH)
CHRISTMAS MIXER
at St. Charles Convention Center

www.electricalboard.org. You can also send an email to

annie@electricalboard.org or bill@electricalboard.org.

ARC FLASH AND ELECTRICAL SAFETY (Half-day seminar)

(4 PDH's / JC: 4-electives only) Space is limited - sign up early! <u>(Need minimum of 12</u> <u>to hold this class!)</u>

> Early Registration: \$110 per person for EBMI member firms; \$170 for non-member companies <u>After February 15th</u>: \$160-EBMI members; \$220 – non-members

Date: Tuesday, November 22, 2022

Time: 8:00 am - 12:00 noon Location: EBMI Office 900 S. Highway Dr.-Ste. 203 - 63026 Presented by: Dave Ritter Ritter Safety & Facility Support

Dave will discuss Arc Flash & Shock Hazards and the most critical requirements of the new 2021 Edition of NFPA 70E, Standard for Electrical Safety in the Workplace.

- Overview and explanation of Arc Flash and Shock Hazards.

- Real-world, practical examples that illustrate the need and effectiveness of NFPA 70E.
- Relationship and differences between NFPA 70E, NPFA 70B, NFPA 70 & OSHA.
- OSHA and NFPA 70E Justification for Energized Work.
- Arc Flash Labeling Requirements including Explanation and Proper Interpretation.
- Shock Hazard Risk Assessments.
- Limited and Restricted Approach Boundaries for Shock.
- -Detailed instruction regarding the use and care of, rubber insulated, voltage-rated gloves.
- Insulated tools and other voltage-rated materials.
- Arc Flash Hazards and Arc Flash Boundaries.
- Arc Flash Hazards with covers on and/or doors closed vs. covers off and/or doors open.
- Arc Flash Risk Assessment Procedures.
- PPE Selection for when the Incident Energy Analysis has been performed.
- PPE Selection for when the PPE Category Method must be used.
- Proper care and maintenance of Arc Flash PPE.
- New Job Safety Plan & Job Briefing Requirements recommendations for implementation.
- Energized Electrical Work Permits (EEWP).
- Host Employer & Contract Employer Responsibilities.

PLEASE EMAIL TO annie@electricalboard.org_prior to Nov. 15, 2022. Call 636/305-6434 for more details.

1st Name _____

email_

2nd Name _____

email_____

Company	
Address	
City/State/Zip	
Phone:	

REGISTER NOW FOR UPCOMING EDUCATION SEMINARS

Jefferson County (JC) starts a new 3-year cycle (1-1-22 to **12-31-24**) and contractors are required to show either 8 CODE contact hours or 4 Code and 4 electives for license renewal. See the seminars below that have been pre-approved by Jefferson County and City of St. Louis. Call the EBMI office (636-305-6434) to enroll as soon as possible... <u>seminars will run only if we have minimum # of students.</u> The advanced rate (2 weeks prior to start) saves you \$50 per person.

SEMINARS – PENDING REGISTTRATIONS

Harsh and Hazardous Area Locations – October 14th 2 PDH / 2 hours Code – JC and City 8:00 am to 10 am at EBMI Office Instructor: Kurt Schulz, Eaton's Crouse-Hinds Division

Variable Frequency Drives – Oct. 27th 4 PDHs 8:00 am to 12 noon at EBMI Office Instructor: John Fahey, EnSync

Lighting Controls for Non-Residential Buildings – Nov. 10th Co-sponsored with IES-St. Louis Section
4 PDH / 4 hours JC Elective
8:00 am to 12 noon at EBMI Office Instructor: Jeff Stoyanov, Vector Electrical Sales

Arc Flash & Electrical Safety- Nov 22nd 4 PDH / 4 hours – JC Elective

8:00 am to 12 noon at EBMI Office Instructor: Dave Ritter, Ritter Safety & Facility Support

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WATCH OUR EXHIBITOR LIST GROW...

Below is a list of exhibitors who have sent in their contracts to participate at the Electrical Expo. Some listed below have multiple booths. Deadline for "window of opportunity" for booth assignments is OCTOBER 31ST. See booth brochure and contract for details. 49 booths already reserved as of 9-20-22.

If they have a manufacturers representative, we have listed this company next to them. By September, we will have listing of exhibitors updated weekly on our website. Check back for updates: <u>www.electricalboard.org</u> If you are a manufacturer or manufacturers rep and NOT shown on this listing, make sure to send in your contract(s) soon!! In 2020, our Expo was sold out before December.

ABB IS

Alterra Power Systems American Conduit (Lester Sales) Ameren Illinois Electric Vehicle American Midwest Power (Schaeffer Marketing Group) BHMG Engineers, Inc. Boltswitch **Cummins Sales and Service** Diode LED (St. Louis Lighting Group) **EDF** Group Electrical Board of Missouri and Illinois Federal Signal Corp. (Casey Electric) Federated Insurance GM Lighting (Schaeffer Marketing Group) Generac Industrial Power (Evapar) Greaves Corp. (Vector Electrical Sales) Greenlee Gripple Inc. (LTG Partners) **H&H Metal Fabrication** Hubbell Burndy Hubbell Chance (LTG Partners) Hubbell Killark (Vector Electrical Sales) Hubbell Quazite Independent Electrical Contractors of Greater St. Louis Klein Tools Leviton MaxLite (Meglio and Associates) **Mennekes Electrical Products** Priority Wire (R.E. Fulsom) RAB Lighting (FISHCO Group)

RIDGID

St. Louis Electrical Connection Schneider Electric Service Wire Company (Meglio & Associates) Shat-R-Shield (Casey Electric Sales) Siemens eMobility Solutions Signify (Meglio & Associates) SOCOMEC Southwire (Vector Electrical Sales) Vertiv (Electronic Support Systems)



PAID ADVERTISING

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MISSOURI ELECTRIC POWER TOPICS

(Virtual Teams Program)

Cost: \$45 per Company for EBMI Members \$50 per person for non-member Companies

Tuesday, October 25th

8:00 am - 12:00 noon

4 PDHs

TENTATIVE Topics

Ups/Batteries Arc Flash Studies Substation Maintenance Solar Vendor product segment

ENROLLMENT FORM – (Please Print)

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Check one:

 Will call EBMI with Mastercard, AMEX or Visa info
 Will forward check to EBMI, 900 S. Highway Dr.-Ste. 203 – Fenton, MO 63026 prior to deadline

1) Name				
e-mail				
Pdhs YES NO Will attend Both Sept 27 th Sept 28 th				
2) Name				
e-mail				
Pdhs I YES I NO Will attend Both Sept 27 th Sept 28 th				
Company				
Address				
City/State/Zip				
Phone ()				

NEW SEMINAR VARIABLE FREQUENCY DRIVES – (VFD 101)

(4 PDH's Space is limited - sign up early!)

Early Registration: \$110 per person for EBMI member firms; \$160 for non-member companies After October 17th : \$160-EBMI members; \$210 -non-members

Date: Thursday, October 27, 2022

Time: 8:00 am - 12:00 noon Location: EBMI Office 900 S. Highway Dr.-Ste. 203** Fenton, MO 63026

Presented by: John Fahey EnSync

Seminar Topics to be covered in VFD 101:

- Basics of an electrical motor
- Basics of a VFD
- Energy savings
- Simple applications and basic installation considerations
- Safety considerations around VFDs

<u>VFD 201 will be offered in spring 2023: however, we</u> recommend you take VFD 101 first especially if new to drives.

FYI: VFD 201 will cover: advanced applications, safety considerations around VFDs review; advanced installation considerations, harmonics and programming.)

REGISTRATION FORM

<u>– SCAN/EMAIL TO: annie@electricalboard.org</u> prior to October 18th OR mail to Annie Regan, <u>EBMI, 900 S. Highway Dr.-Ste. 203,</u> <u>Fenton, MO 63026.</u>

Please check one:	 EBMI Member Company Non-Member Company
1 st Name email	
2 nd Name	

Company_____ Address_____ City/State/Zip

Phone:_____

RECAP OF GOLFfest

The weather was hot, hot and very hot but 136 golfers and 18 volunteers still enjoyed a day of golf and seeing many industry associates. Some enjoyed it more than others as the event recap will show. We did not see any hole in ones, but there some terrific shots on the contest holes. We thank **Bruce Erickson** and **Chris Arb**, Chairs of the 2022 GOLFfest.

Special thanks to <u>FEDERATED INSURANCE</u> for sponsoring the BBQ of hot dogs on the course and donating tees and koozies.

Recapping the results of the contests from the September 19th GOLFfest at Crescent Farms:

FORMAT THIS YEAR

4- person Scramble

Congratulations to the TEAM winners in our three flights.

Flight A – Bill Kuempel's team - 55 *Flight B – Brandon Hooks' team - 65 *Flight C – Kevin Knocke's team - 68 * scorecard playoff <u>CONTEST WINNERS</u>

Hole # 6 - Longest Drive – **Rich Kuempel** - 310 yards Hole #8 – Closest to Pin – **Nick Bievenue** – 4" - 1" Hole #9 – Closest on 2^{nd} shot – **Geoff Long** – 7' - 5" Hole #10 – Closest on 2^{nd} shot – **Rick Mahoney** - 3' - 8" Hole #15 – Closest to Pin – **Dennis Bowers** – 1'-6" Hole #18 - Closest on 2^{nd} shot - **Brandon Hooks** – 23" Each winner received a \$50 gift card.

The big winner of the Skins game was the EBMI Scholarship Foundation because no foursomes recorded as Skin. Because no one won a skin, the entire \$600 will be given to the EBMI Scholarship Foundation.

Winner for the Putting Contest (104 names in drawing) for ¹/₂ the money collected was **Chad Schaefer** - \$195 and winner of the foursome donated by Crescent Farms Golf Course was Brett Parra.

The \$100 prize for the mulligan drawing was won by **Chris Guzman.**

We thank the following hole and attendance prize sponsors.

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> S & C ELECTRIC SACHS ELECTRIC SCHAEFFER MARKETING GROUP

Attendance Prizes provided by:

Agilix Solutions, Ameren Illinois, Ameren Missouri, Butler Supply, Crescent Electric Supply, Crescent Farms Golf Course, Cummins Sales and Service, Eaton Corp., EDF-RG, Frost Supply, Graybar Electric, Guarantee Electrical, Keeley Construction, Leviton Mfg., Lighting Associates, McCarthy Building Companies, Meglio and Associates, Metro Electric Supply, Nooter Construction, The Okonite Co., Priority Wire & Cable, S&C Electric, Sachs Electric, Siemens Smart Infrastructure, and Vector Electrical Sales.

We thank all of our wonderful volunteers who helped the staff at the GOLFfest!



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EBMI BOWLING NIGHT

DATE: Tuesday, October 25th

Sign up as a single bowler or get a lane! AT BOWLERO (Same Place -Formerly Brunswick Zone-Lakeside Lanes) 1254 Dougherty Ferry Rd. Valley Park, MO 63088 6-8:00 p.m.

Cost: \$55 per person

Need reservations before October 17th!

(Includes: Bowling for 2 hours, bowling shoes and bbq buffet: pulled pork, bbq chicken, potato salad, baked beans, combread and Caesar salad. Unlimited soft drinks for 2 hours and 2 beer or wine drink tickets included. Cash bar after this.) ****LIMIT OF 5 LANES – FIRST COME/FIRST SERVE! Three lanes already reserved.**

Please email <u>annie@electricalboard.org OR bill@electricalboard.org</u> as soon as possible as we have to give them counts early to reserve lanes needed. All guests are welcome. Why not try to get 5-6 customers/co-workers to have your own lane!

FLASH (ISSN 0746-6528) is published monthly by The Electrical Board of Missouri and Illinois 900 So. Highway Dr.- Ste 203 - Fenton, MO for \$6.00 per year, which is included in dues. Periodicals postage Paid at Fenton, MO and additional offices.

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