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Vol. 113 No. 2

FEBRUARY 14, 2022

U. S. ECONOMIC OUTLOOK with the focus on the current inflation experience

Space limited – Register Early

Virtual program using Microsoft TEAMS format
(program link will be emailed to registrants only)

You need video and audio on your device

Date: Wednesday, March 30th

Time: 8:00 to 9:30 am

Cost: \$25 per company for EBMI Member Companies**

\$50 per person for Non-Member Companies

**** We will charge the first person in from each company**

Speaker: Charles S. Gascon is a senior economist in the Research division at the Federal Reserve Bank of St. Louis. He analyzes economic conditions nationally and in the Eighth Federal Reserve District. He reports on regional economic conditions to the Bank president and staff economists prior to Federal Open Market Committee (FOMC) meetings. He is responsible for writing the bank's Beige Book report on economic conditions and contributes to other bank publications. His work has been cited in the Wall Street Journal, New York Times, and in local media outlets. He is a member of the American Economic Association and the National Association for Business Economics. Gascon has a master's degree in economics from State University of New York at Albany and an MBA from Washington University in St. Louis. He lives in University City, Missouri with his wife and two children.

REGISTRATION FORM – (Please Print)

Email this form before March 15th to annie@electricalboard.org

Check one: ☐ Will Call EBMI with Credit Card ☐ Will mail check before 3-15

Name _____ e-mail _____

Need Pdhs ☐ YES ☐ NO

Name _____ e-mail _____

Need Pdhs ☐ YES ☐ NO

Company _____ Phone (____) _____

Address _____ City/State/Zip _____



Bill Regan

LET'S TALK...

We have received calls from contractors needing continuing education hours for their license renewal for the City of St. Louis. The City of St. Louis has approved the Arc Flash and Electrical Safety seminar to satisfy 4 hours of their 8 hour education requirement. We are also offering a Transformer seminar to satisfy the other 4 hours but you must enroll in both seminars.

Just a reminder that we do not offer seminars over the summer, so if your license renews before September 2022, we recommend that you take these two seminars. Call or email annie@electricalboard.org to find out if we still have room in these seminars.

We are limited in number we can have in our classroom.

Last month, we announced the leadership team for our Electrical Expo 2023. We certainly thank each of these individuals for volunteering to assist us in planning this important industry event.

We recently sent a postcard to previous exhibitors and prospects that provides booth information. We hope they will plan to exhibit and put into their 2023 budget. If you know of a manufacturer that should be in the show, email us with contact info to make sure we have them on our list.

We are still looking for volunteers for the Seminar and Show Promotion Committees. Please email me at bill@electricalboard.org if interested in helping on one of these committees. Meetings will be held soon.

BAD NEWS

The **Spring Leadership Luncheon** has once again been cancelled. This event is where we recognize our Michael A. Postiglione Recipient and our student scholarship winners. It's unfortunate, because it is a special moment to receive these awards in front of industry associates. I can tell you that the parents of these students are so grateful that we recognize the achievements of their children.

CALENDAR OF EVENTS

See calendar on www.electricalboard.org

*** *Waivers will need to be signed for all events*

Feb. 22 nd	ARC FLASH & ELECTRICAL SAFETY 8:00 to 12 noon At EBMI Office
Feb. 23 rd	ENERGY EFFICIENCY WORKSHOP (VIRTUAL PROGRAM) 8:00 to 12 noon Email annie@electricalboard.org to receive Teams link
Mar. 8 th	NEC Calculations class 6:00 to 9:00 pm At EBMI Office (on hold-need 3 more students)
Mar 30 th	VIRTUAL PROGRAM 8:00 to 9:30 am Economy Update Charles Gascon – Economist Federal Reserve Bank of St. Louis
Apr 26 th & 27 th	EMERGING ILLINOIS ENERGY TOPICS Virtual Program 7:30 to 9:30 am each day
Apr 26 th	Women's Electrical Board's BOSES NIGHT At Westborough Country Club
Apr. 26 th	GOLF LEAGUE STARTS at Forest Park Golf Course (OUR 26TH YEAR)
Apr. 28 th	PROTECTION OF ELECTRICAL SYSTEMS 7:30 am to 4:30 pm At EBMI Office
May 5 th	TRANSFORMERS 8:00 am to 12 noon At EBMI Office
June 6 th	SPORTSMAN'S HOLIDAY At Forest Park Golf Course
Dec. 1 st	CHRISTMAS MIXER at St. Charles Convention Center

Call EBMI at 636-305-6434 for more information or to gain more information on any of our events or visit our website at www.electricalboard.org. You can also send an email to annie@electricalboard.org or bill@electricalboard.org.

CONGRATUALIONS TO THE EBMI FOUNDATION 2022 SCHOLARSHIP RECIPIENTS

EVAN BAIR

O'Fallon Township High School

Son of Darla and Darrell Bair.

Darla is with Schaeffer Marketing Group.

AVA BASLER PARKER

Gasconade County R2 High School

Daughter of Kevin and Rachel Basler.

Kevin is with Powell.

CLAIRE CROOK

Kansas State University

Daughter of Matthew and Deidra Crook.

Matt is with BRIC Partnership.

LAUREN FREDERKING

Christian District School High School

Daughter of Chuck and Kathy A. Frederking.

Chuck is with Howard Industries.

MONICA KERKEMEYER

Alton High School

Daughter of Andy and Mary Kerkemeyer

Andy is with Woolpert Inc.

ALYSSA RODGERS

Rockwood Summit High School

Daughter of Sam and Ronay Rodgers

Sam is with Graybar Electric.

LUKE WARNECKE

SIU-Edwardsville

Son of Eugene and Beth Warnecke

Gene is with Ameren.

OLIVIA WILKE

Missouri State University

Daughter of Virgil and Suzanne Wilke.

Virgil is with Archway Electrical Sales.

ANDREW WUEBBELING

Webster Groves High School

Son of Jill Clark.

Jill is with St. Louis Chapter, NECA.

Each recipient will receive a \$1,500 scholarship and a commemorative plaque. Since we will not have a Spring Leadership Luncheon, the Industry Awards Committee is considering several options to present these scholarships to the recipients.

We encourage EBMI members with a junior currently in high school to email us to see the criteria for the scholarships. You must be a member for on year before applying for scholarships. Next year as a senior, they will be eligible to apply for these \$1,500 scholarships. Students in college are also eligible. Recipients can only receive two scholarships which allows us to recognize more students.

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EMERGING ILLINOIS ENERGY TOPICS

Virtual program using Teams platform

Tuesday – April 26th – 7:30 to 9:30 am

Wednesday – April 27th – 7:30 to 9:30 am

The committee is finalizing the topics and speakers for the program. The possible topics are listed below...

Tuesday – April 26th – focus on Energy Efficiency

- Ameren Illinois Energy Efficiency Incentives
 - Vendor EE Product presentations
 - Variable Frequency Drives

Wednesday–April 27th – focus on Renewable Energy

- Smart Inverters
- Solar Case Studies
- Energy Storage

We will provide more information in the March FLASH.

CONTRACTORS NEEDING 8 HOURS OF CONTINUING EDUCATION FOR RENEWAL OF CITY OF ST. LOUIS LICENSING

We **DO NOT** offer any classes or seminars over the summer. If you need 8 hours, we suggest you enroll in the seminars we are offering over the next few months.

The **Arc Flash and Electrical Safety** Seminar has been approved for continuing education requirement by the City of St. Louis. The **Arc Flash** seminar (4 Hours) and **Transformer** seminar (4 Hours) will give you the 8 hours needed.

But you need to call ASAP as these seminars will fill quickly now that we have this approval. Email annie@electricalboard.org to find out if there is still room in these seminars.

NATIONAL ELECTRICAL CODE CALCULATIONS

This class is based on the 2020 N.E.C
(still need 3 students -if you want class outline,
email annie@electricalboard.org)

PDH: 36 / JC & City: 8-code

INFORMATION: This detailed course is designed to unlock the mystery, clarify the gray areas in performing code calculations. A study manual with questions is included in class fees.

PRE-REQUISITE: YOU HAVE TAKEN A CODE CLASS IN THE LAST 3 CODE CYCLES (2014- 2017 - 2020). ONLY CODE CLASSES WITH A MINIMUM 24 HOURS OF CLASS TIME WILL BE ACCEPTED. SUBMIT A COPY OF YOUR CERTIFICATE OF COMPLETION ALONG WITH YOUR REGISTRATION FORM.

TIME AND DATES

Tuesday – 6:00 to 9:00 pm

12 Sessions

March 8 – May 24, 2022

In-person at EBMI Office
900 S. Highway Dr.- Ste. 203
Fenton, MO 63026

INSTRUCTOR:

MICHAEL SMITH
Vision Electric & Systems

COST: Advanced - registrations must be received 2-weeks prior to class start.

	<u>Advanced</u>	<u>Late</u>
Employees of non-member firms	\$ 410	\$ 460
Employees of <u>Electrical Board member firms</u>	\$ 350	\$ 400

Includes study manual, workbook with questions, certificate of completion OR attendance, and registration fee of \$100 which is non-refundable

***** (A 2020 Code book is also required. If you need one, please add \$120 to the above class fees.)**

Please check one: ☐ **Will send check**
☐ **Will call EBMI office with Credit card**

Name _____
Company _____
Address _____
City/Zip _____
Phone _____
Email _____

Email annie@electricalboard.org to enroll.

**ARC FLASH AND ELECTRICAL SAFETY
(Half-day seminar)**

(4 PDH's / JC: 4-electives only & 4 hours-City)
Space is limited - sign up early!
Will be held – already have 11 enrolled!!!

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

*****PLEASE NOTE: Liability waivers will need to be signed by all attending this seminar.*****

Date: Tuesday, February 22, 2022

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

Presented by: Dave Ritter
Ritter Safety & Facility Support

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, NFPA 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 February 18th.
Call 636/305-6434 for more details.

1st Name _____
email _____

2nd Name _____
email _____

Company _____
Phone _____

TRANSFORMERS

(4 PDH's and 4 JC & City - Code)
Space is limited - sign up early!
Already have 7 enrolled

\$100 for employees of EBMI member firms if made before April 21st; \$150 after this date.

\$160 for employees of non-member firms if made after April 21st; \$210 after this date.

Date: Thursday, May 5, 2022
Time: 8:00 am to 12:00 noon
Location: EBMI Office
900 S. Highway Dr.-Ste 203
Fenton, MO 63026

Presented by: **Melissa Meywes – Eaton**

INFORMATION: This seminar will provide a basic understanding of transformer operation, calculations, installation, and NEC requirements.

- 1) Transformer selection, application and basic calculations.
- 2) Distribution, Unit Substation and pad mount transformers.
- 3) Energy efficient and harmonic mitigation transformers.
- 4) Installation and application considerations for Transformers

PLEASE scan/email it to annie@electricalboard.org to the ELECTRICAL BOARD or mail in to address below as soon as possible but before deadline above for advanced rate.

Please check one: ☐ **Will send check**
☐ **Will call EBMI office with Credit card**

Please mail check to EBMI, 900 S. Highway Drive-Ste. 203 - Fenton, MO 63026 or call the Electrical Board office at 636-305-6434 to pay by American Express, Visa or Mastercard. **MUST BE PAID BY MAY 1, 2022.**

1st Name _____
Email: _____

2nd Name _____
Email: _____

Company _____
Address _____
City/State/Zip _____
Phone (____) _____

IRS MILEAGE FOR 2022

The Internal Revenue Service today issued the 2022 optional standard mileage rates used to calculate the deductible costs of operating an automobile for business, charitable, medical or moving purposes.

Beginning on January 1, 2022, the standard mileage rates for the use of a car (also vans, pickups or panel trucks) will be:

- 58.5 cents per mile driven for business use, up 2.5 cents from the rate for 2021,
- 18 cents per mile driven for medical, or moving purposes for qualified active-duty members of the Armed Forces, up 2 cents from the rate for 2021 and
- 14 cents per mile driven in service of charitable organizations; the rate is set by statute and remains unchanged from 2021.

The standard mileage rate for business use is based on an annual study of the fixed and variable costs of operating an automobile. The rate for medical and moving purposes is based on the variable costs.

It is important to note that under the Tax Cuts and Jobs Act, taxpayers cannot claim a miscellaneous itemized deduction for unreimbursed employee travel expenses. Taxpayers also cannot claim a deduction for moving expenses, unless they are members of the Armed Forces on active duty moving under orders to a permanent change of station. For more details see [Moving Expenses for Members of the Armed Forces](#).

Taxpayers always have the option of calculating the actual costs of using their vehicle rather than using the standard mileage rates.

Taxpayers can use the standard mileage rate but must opt to use it in the first year the car is available for business use. Then, in later years, they can choose either the standard mileage rate or actual expenses. Leased vehicles must use the standard mileage rate method for the entire lease period (including renewals) if the standard mileage rate is chosen.

[Notice 22-03](#) contains the optional 2022 standard mileage rates, as well as the maximum automobile cost used to calculate the allowance under a fixed and variable rate (FAVR) plan. In addition, the notice provides the maximum fair market value of employer-provided automobiles first made available to employees for personal use in calendar year 2022 for which employers may use the fleet-average valuation rule in or the vehicle cents-per-mile valuation rule.

POSITION AVAILABLE

11121 – ELECTRICAL DESIGNER (ESTIMATOR)

You will create design/build electrical systems and provide pre-construction estimating. Using your expertise in construction electrical design/build, you will develop the electrical systems design. This might entail examining the electrical needs of a new building or TI project and designing the best way to supply it through cost-efficient engineering and safe effective design. You will be responsible to architects, general contractors and/or construction firms who need your expertise for a variety of construction projects.

- Experience in design/build by pulling together a preliminary design and estimate for conceptual projects from a design narrative and DD (Design Development) level drawings
- Experience preparing the initial design and associated estimate in the bidding process and if successful transitioning the project to the Design Department

For additional information regarding this position and Kaemmerlen Electric please send your resume to our recruiter Elaine Cook (ecook@kaemmerlen.com).

1122 – ELECTRICAL DESIGNER OR ENGINEER

We are looking for an Electrical Designer or Engineer to join our growing Engineering team in St. Louis. This is a fantastic opportunity to work on complex projects within our core markets – Healthcare, High Education and Science & Technology. In this role, you will be responsible for all aspects of engineering design within designated projects. You will work directly with clients to progress BSA's mission of Creating Inspiring Solutions that Improve Lives.

We are looking for self-starters with the ability to work as part of a cohesive, collaborative team. If that's you and you are interested in joining a 100% employee-owned firm, this may be your opportunity to make an impact on your career and on the lives of others.

Link to job posting:

<https://recruiting.ultipro.com/BSA1000/JobBoard/b407762a-0f0a-8f28-44bc-9c4e973374a1/OpportunityDetail?opportunityId=7939136f-87c5-44f5-b59b-2a22f57771d1>

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