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| AMEREN IL--COLOR NO BCKGRD   |  | | --- | | Co-Sponsors for  ILLINOIS ELECTRIC POWER ISSUES SEMINAR  ***SIGN UP EARLY!!!***  **TWO dates…** **Tuesday – September 28, 2021  and/or Thursday -September 30, 2021**  **7:30 – 9:30 a.m.**  ***(ONE PRICE ONLY- whether you attend one or both sessions!)***  *\*Will be held VIRTUALLY with Microsoft Teams for 2021.*  ***\*Only those making reservations will receive a link to EACH of these seminars.***  ***\*Each seminar will have separate link.***  ***\*Use your laptop/computer (NOT phone)for best results especially if needing pdhs. Powerpoints cannot be seen on mobile devices and sometimes if you switch to phone, it doesn’t show up in Teams attendance and we need this for verification for pdhs.***  ***\*For Teams – attendees are muted and will need to use “chat” only for Q&A;***  ***\*No handouts provided and this program will NOT be recorded.***  ***\*Will need video and audio on your device.***  ***SEE 2ND PAGE FOR TOPICS OF DISCUSSION***  **(SEE 2ND PAGE FOR TOPICS FOR BOTH DATES.**  **YOU CAN ATTEND ONE OR BOTH SEMINARS).** | | **\*\*\*REGISTRATION FORM…** Please complete the form below to reserve a place at this seminar and scan/email it to [**annie@electricalboard.org**](mailto:annie@electricalboard.org). **ALL reservations are required prior to September 21, 2021**. If more information is needed, please call The EBMI office at 636/305-6434. For additional registrations, please include ALL info below for each person attending and send email with all information to annie@electricalboard.org.  **Please check ONE**: □ Will call EBMI with Mastercard, AMEX or Visa  □ Will forward check prior to deadline  \*\***ENGINEERS: IF NEEDING PDH’S, you must let us know in advance below. \*\*See instruction requirements for pdh’s to the right.**    **(Please Print information CLEARLY below AND check boxes shown.)**  1) Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone (\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  e-mail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Need PDH’s?** □ **YES**  □  **NO**    **Will attend (check one):** □ Both Seminars **OR** □ Sept. 28th □ Sept. 30th  Company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  City/State/Zip\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2) Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone (\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  e-mail\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Need PDH’s?** □ **YES**  □  **NO**    **Will attend (check one):** □ Both Seminars OR □ Sept. 28th □ Sept. 30th | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | | --- | | ***September***  ***28th & 30th, 2021***  ***ILLINOIS ELECTRIC POWER ISSUES SEMINAR***  ***COSTS AND PROGRAM DETAILS…***  *\*\* Sign up early!!!*  ***Due to covid in 2021, we have several changes for this virtual presentation***  **COST – (Note: Even if you choose to attend only ONE session, fee is:)**  **$45 PER COMPANY for EBMI member firms\*\*/**  OR  **$50** **PER PERSON** for Non-Member EBMI firms\*\*  \*\*Add $25 if registering after SEPTEMBER 21ST.  \*\*\*Limit of 225 attendees\*\*\*  **\*\*ATTENTION: ENGINEERS\*\***  TO QUALIFY FOR  2 pdh’s (each seminar)  *\*You must sign up for pdhs on registration form. (EBMI will only email those who indicate they need pdhs IN ADVANCE.)*  *\*MUST be shown on Teams attendance listing for full 2 hours on that day to receive pdhs. PLUS make sure to press LEAVE on YOUR end immediately after final announcements.*  *\*Pdh’s will be emailed the following week, once we confirm that you attended full 2 hours on September 28th and 30th. Two separate letters will be sent for pdhs.* | |  | | Electrical board of missouri and illinois (EBMI) 900 S. Highway Dr.-Ste. 203 Fenton, MO 63026 For more information, call 636-305-6434  [www.electricalboard.org](http://www.electricalboard.org)  annie@electricalboard.org | |

***TUESDAY – SEPTEMBER 28TH – 7:30 a.m. – 9:30 a.m. – 2 pdhs***

* **AMEREN ILLINOIS ENERGY EFFICIENCY*****Speaker:  Nicholas Crowder, Ameren Illinois***

*\*What’s coming in Energy Efficiency*

*\*Big Incentives to get projects completed*

*\*Support for projects and submitting applications*

* **VENDOR PRESENTATIONS FEATURING NEW PRODUCTS**

***VENDOR COMPANIES:***

***\*Casey Electric Sales \*Schaeffer Marketing Group***

***\*Meglio & Associates \*Vector Electrical Sales***

**\*\*\*Short Q&A session in “chat” on Teams for these presenters, then 10 minute BREAK\*\*\***

* **US 2050 ELECTRIC CARS, A CLEAN GRID AND “PASSIVE HOUSES”**

*\*What trends do you see in building efficiency from regional incentives* ***Speaker: Ed May, Building Type LLC***

\**Do we need something like the “Passive House” standard to help us*

*achieve goals around housing quality and efficiency?*

*\*Introduction to the core technologies that “Passive House” buildings*

*utilize to improve health, durability, comfort and energy-efficiency.*

**\*\*\*Short Q&A session in “chat” on Teams for this presenter, then FINAL announcements.**

***THURSDAY – SEPTEMBER 30TH – 7:30 a.m. – 9:30 a.m. – 2 pdhs***

* **ELECTRICAL ARC FLASH AWARENESS**

*\* What is an arc flash?* ***Speaker: Paul Eaton, Siemens***

*\* What causes an arc flash?*

*\* How can I protect myself from an arc flash?*

**\*\*\*Short Q&A session in “chat” on Teams for this presenter, then 10 minute BREAK\*\*\***

* **CHALLENGES WITH INTERCONNECTION OF DISTRIBUTED ENERGY RESOURCE SYSTEMS**

*\*Renewable sources – solar pv, wind, hydro, bio-generation, etc.* ***Speakers: Mike Whittington, Ameren Illinois***

\**Energy Storage Systems (ESS) – Battery or Stored Mechanical Energy* ***Ed Creighton, Ameren Illinois***

*(Energy Stored to Use at a later date)*

*\*Rapid Changing of DER Technology*

*\*Line (Supply) Side vs. Load Side Taps*

*\*AC-Coupled vs. DC Coupled PV+ESS Systems*

*\*Net Metering Requirements for Systems Incorporating ESS*

*-Types of ESS Programmable Configurations (Charging Source and Export Controls)*

*- Residential installations vs. larger installations (metering requirements,*

*verification that ESS is charged from appropriate source.)*

**\*\*\*Short Q&A session in “chat” on Teams for these presenters, then FINAL announcements.**

***\*\*For ENGINEERS NEEDING PDHS…. IMPORTANT: \*\*Make sure to hit LEAVE MEETING on YOUR END after final announcements so we know you were there for the entire program.***

***Before pdh’s are sent after this event, we will need to check each individuals’ attendance to our Teams attendance listing to ensure you attended the 2 hour event. If not, we cannot issue pdhs.***

****SPONSORS:** AND