

Communiqué

The **AMEA Communiqué** is a monthly publication of the Alabama Municipal Electric Authority
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MISSION STATEMENT

AMEA's mission is to provide for our Member communities a reliable and economical source of electric power, enabling them to preserve and enhance the benefits of municipal utility ownership for their citizens and the electric customers they serve. We strive to offer services that our Members need and can adapt to provide the best value for their communities and customers.



Baker

Power Supply Conference planned for April 18 and 19

Mark your calendar for the 2019 AMEA Power Supply Conference, slated for April 18 and 19, at the Grand Hotel Marriott Resort in Point Clear, AL. Conference registration is FREE and open to all AMEA Members. The conference will begin on Thursday, April 18 at 1 p.m. and conclude at 11 a.m. on Friday, April 19. Attire for the conference is business casual.

On Thursday, April 18, please join us for the President's Awards Reception and Dinner, where we will recognize Dale Baker, Chairman,

Sylacauga Utilities Board, and a member of the AMEA Board of Directors, with the 2019 President's Award. The reception will begin at 6 p.m., followed by dinner at 7 p.m.

For those arriving on Wednesday, April 17, an AMEA Board Appreciation Dinner will begin with a reception at 6 p.m. and dinner at 7 p.m.

Online conference registration is now available. Please go to AMEA's web site, www.amea.com, and scroll to the bottom of the home page to 2019 AMEA Power Supply Conference. Conference registration deadline is Monday, April 8.

For your convenience, the hotel is holding a block of rooms for the nights of Wednesday, April 17 and Thursday, April 18. To reserve a room at a special rate of \$150 plus tax per night, please call (800) 455-3834 and mention **Alabama Municipal Electric Authority**. The room block deadline is Monday, March 18.

To make your room reservation, click on this link: [Book your group rate for AMEA Resort View](#)

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Conference

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For more information about the 2019 conference, please contact Lisa Miller, Manager of Communications and Marketing, (800) 239-2632, Ext. 118, lmiller@amea.com, or Samantha Alexander, Executive Assistant, Ext. 115, samantha@amea.com.

2019 AMEA Economic Development Roundtable slated for February



Al Cook, AMEA Economic Development Marketing Consultant, and Betty McIntosh, Senior Managing Director, Cushman & Wakefield, participate in a session on *Economic Development Challenges Facing Our State, Region and Country* during the 2018 event.

The 2019 AMEA Economic Development Roundtable for Member city economic developers, their staffs and boards will be held on Tuesday, Feb. 19 at the AMEA headquarters in Montgomery. The event provides local economic developers with resources to help them in their community/economic development efforts.

Topics will include *2019 Opportunity Zones Regulations*; a panel discussion on *Workforce Development Partnerships and Successful Initiatives*; *7 Habits of Highly Effective Site Readiness*; and *Investing in Alabama's Future* (impact of infrastructure on economic growth). A reception and dinner will follow the meeting.

For more information, please contact Lisa Miller, Manager of Communications and Marketing, (800) 239-2632, Ext. 118, lmiller@amea.com.

(L to R) Tanner Jones of the Baldwin County Economic Development Alliance (BCEDA), Lucas Gockel and Lorie Denton of the Calhoun County Economic Development Council, Al Cook, AMEA's Economic Development Marketing Consultant, Alex Doleac of BCEDA, and Tom DeBell, General Manager of Riviera Utilities, and a member of the AMEA Board of Directors, visit with each other during one of the meeting breaks at the 2018 Economic Development Roundtable.



2019 AMEA Scholarship Program application deadline fast approaching

The deadline for the 2019 AMEA Scholarship Program is drawing near, but you still have time to help students in your area.

AMEA and its Members will make available 44, \$2,500 scholarships (4 scholarships per Member city) in the 2019 program.

Applications are currently available from school counselors in AMEA Member cities, including Alexander City, Dothan, Fairhope, Foley (Riviera Utilities), LaFayette, Lanett, Luverne, Opelika, Piedmont, Sylacauga and Tuskegee.



Students can also go online to the AMEA web site, www.amea.com, Scholarship, to download an application. **Application deadline is Monday, Feb. 11, 2019.**

AMERICAN PUBLIC
POWER ASSOCIATION

2019 | THE ACADEMY
Webinars

Register now for Webinars

Learn from your office! American Public Power Association webinars are free to AMEA members. Enter coupon code **AMEA** at checkout, to view the webinars at no cost to your utility. Here are a few of the upcoming webinars:

- Exploring Electric Utility Regulations and Business Models: **February 22**
- Understanding the Generation & Transmission Grid: **March 8**
- Rating Agency Outlook for Public Power: **March 12**
- Operating a Local Public Power System: **March 22**
- Maintaining or Improving Your Utility's Bond Rating: **March 24**

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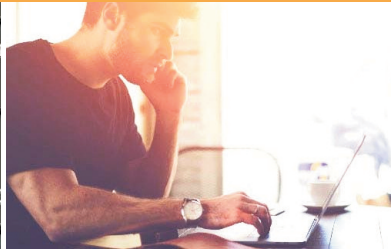
To be eligible for an AMEA scholarship, a student's parent and/or legal guardian must receive electric service from an AMEA Member utility, and the student must attend a four-year college/university, community college, and/or vocational school within the state of Alabama.

Since 1992, AMEA has awarded over \$2 million in scholarship monies to graduating high school seniors who receive their electric service from an AMEA Member utility.

For more information on the program, contact school counselors in AMEA Member cities, or Pamela Poole, AMEA Scholarship Program Coordinator, (800) 239-2632, Ext. 110, or pam@amea.com.

The AMEA Communique' is intended for internal use only.

2019 WEBINAR SCHEDULE



Start Planning for 2019.

Hi-Line Engineering is excited to offer the following webinars geared toward keeping you up-to-date on industry issues and standards.

Below are the **1.5 hour webinars** for 2019. Each webinar will consist of one hour of instruction and a thirty minute question and answer session. **All webinars will begin at 10:00am Central Time.** Most presentations will be in Power Point format with handouts in pdf format, although more extensive materials may be available for some of the sessions.

February 12 – Impact of New Communication Equipment on Joint Use Clearances

The use of fiber optic lines in the supply space, and the desire of telecommunication to install 5G antennas in the supply space present challenges to electric utilities. This webinar addresses the NESC requirements as they relate to safe clearances for communication workers and supply utility workers. In addition, the webinar addresses methods to use for sharing space on the pole with telecommunication companies.

March 5 – Changes in Arc Flash Calculations

IEEE Standard 1584 was updated in late 2018. Significant changes were made that could change the PPE used by electric utilities. These changes include elimination of the 2 second rule, elimination of the exception for transformers below 125 kVA, and elimination of the 85% rule. Further, the calculation now includes more shape factors for arcs that are considered to be enclosed in switchgear or similar enclosures. The new calculations are more accurate, but present challenges for electric utilities. This webinar addresses the changes and the new calculation methods.

April 16 – Underground Distribution Design

Designing underground distribution differs from designing overhead distribution in terms of resiliency of the system. This webinar addresses common underground design criteria such as methods for design in underground subdivisions and commercial developments, routing of cable systems, use of conduit, burial depth, and common errors in design. Single contingency outage and overcurrent protection scheme will be addressed along with limiting factors of system components.

May 14 – Specifying and Placing Lightning Arresters

Lightning can cause 20% of the outages on overhead power lines. The webinar discusses the type of arresters currently on the market for distribution lines. In addition, the presentation discusses the common basic impulse insulation level (BIL) with emphasis on a new method to prevent flashovers referred to as critical impulse flashover voltage (CFO). The combine BIL of equipment are not additive as once thought. The CFO technique for overvoltage protection will be discussed with explanations for adequately protecting overhead lines based on ground flash density, shielding, and earth resistivity.

June 18 – Resource Planning for Distributed Energy Resources

Distributed Energy Resources (DER) are changing the landscape for distribution engineers in terms of planning and designing of their systems. This webinar addresses the positive and negative impacts to the grid from DER. In addition, how to plan for future system growth and resiliency with DER added to the system will be discussed.

July 16 – Single Phase Metering

This webinar addresses the fundamentals of single phase metering including meter bases and connectivity of the single phase meters. However, AML metering has changed the landscape on single phase metering. So, the presentation will address new data being collected, new controls at the meter, and alarms. Specifically, what do the alarms mean and how to address alarms such as high voltage, hot socket, and low voltage. Further, the use of demand reads, ping of the meters, and load side voltage tests will be addressed.

August 13 – Three Phase Metering

Metering of three phase services is complex and often represents a larger percentage of utility income compared to single phase loads. Meter Forms 8/9 and 15/16 will be addressed including methods for sizing current transformers and potential transformers. Common wiring methods and common errors will also be discussed.

September 10 – Battery Energy Storage Systems

Utility scale batteries are beginning to make an impact on distribution systems to the point that some utilities are providing assistance to consumers who install batteries behind the meter. This webinar provides a fundamental understanding of battery energy storage systems. Further, the webinar discusses the application of battery storage both on the utility system as well as on the consumer side of the metering.

October 8 – Wood Poles – Standards and Design

Wood poles have been used in the electric utility industry since its inception. There are standards for wood poles (ANSI O5.1), and the NESC provides loading and strength requirements of poles. This webinar addresses limitations set forth in the standards, NESC loading requirements such as ice, wind, joint-use attachments, vertical loads and the need for strength reduction factors for wood poles.

November 12 – Application of Voltage Regulators

Voltage regulators are needed on all distribution systems and serve an important role in maintaining quality service to customers. This webinar will address the fundamentals of how voltage regulators operate. In addition, the presentation will cover application of the voltage regulators including placement, how to coordinate cascading regulators, and the use of line drop compensation.