

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.

AMEA, Members dedicate solar projects



AMEA-City of Luverne Solar Research Project Dedication, Nov. 28



AMEA-City of Dothan Solar Research Project Dedication, Nov. 30

AMEA, along with the City of Luverne and the City of Dothan, dedicated 50 KW solar research projects on Nov. 28 and Nov. 30, respectively. The Luverne project is located at the corner of U.S. Highway 331 and Industrial Parkway. The Dothan project is located on Westgate Parkway. Both projects were completed in October.

"We are proud of the new solar research projects in Luverne and Dothan as part of our effort to enhance renewable energy in our portfolio," said Fred Clark, AMEA President & CEO. "We

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Solar

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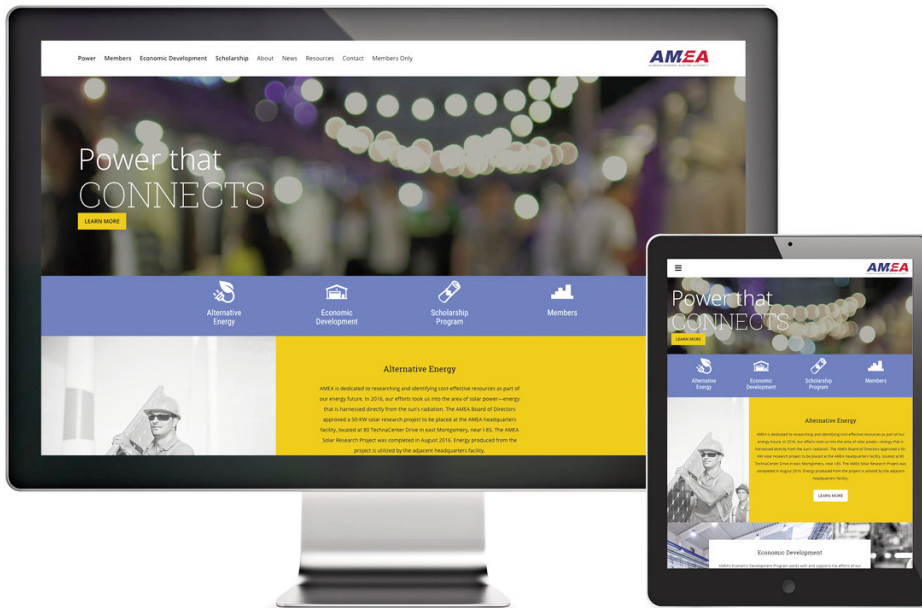
want to thank the City of Luverne and the City of Dothan for their leadership and partnership in this endeavor.”

In conjunction with the solar research initiative, AMEA has been exploring and researching best practices in community solar parks in partnership with AMEA's Member cities. The AMEA Board of Directors approved a \$1 million investment to construct one solar research project in each Member city for a total of 11 projects. The remaining nine (9) solar projects will be built in AMEA Member cities in 2018, said Clark.

For additional photos of the two solar project dedications, as well as photos from the AMEA Solar Research Project Dedication in October 2016, go to www.amea.com/alternative-energy and scroll to AMEA Solar Research Project.



(Clockwise): Luverne Solar Research Project located at corner of U.S. Highway 331 and Industrial Parkway; tour of Luverne solar project on Nov. 28; Fred Clark, AMEA President & CEO, delivers the welcome during the Dothan solar project dedication on Nov. 30; and Dothan Solar Research Project located on Westgate Parkway. (Dedication photos courtesy of photographer Robert Fouts)



AMEA launches new web site and history video

AMEA introduced a new and updated web site and history video in November.

“First, we streamlined the web site’s navigation for a more user-friendly experience, giving it an attractive, modern look and feel,” said Lisa Miller, AMEA Manager of Communications and Marketing. “We combined parallax scrolling design

(a 3D-type effect where the foreground moves faster than the background layer) with video on all site pages.”

“We also scripted, shot and produced two new AMEA videos, which are also featured on the site,” she added.

The About AMEA video employs impactful motion graphics to demonstrate how the Member utility systems provide reliable, economical electric power to their 11 Member communities.

An updated AMEA History video also utilizes animation to chart the organization’s progress from its beginnings, while featuring drone-captured footage of its headquarters, training area, solar research project and the AMEA-Sylacauga Plant.

“We are excited about this project and hope that our Members find the new web site easy to navigate, while at the same time discovering beneficial information for their city/utility operations,” Miller said.

The new web site and videos were created and designed by Copperwing of Montgomery.

Checkout the new web site, as well as the About AMEA and AMEA History videos, at www.amea.com.

Register now for Webinars

An internet connection and a computer are all you need to participate. As a member of AMEA, you have access to live and recorded webinars at no cost to your utility. Register today at www.PublicPower.org/Academy and click on webinars. Enter coupon code **AMEA** to take advantage of this opportunity.

- Workforce Series: Game Changers and Gaps in the Energy Workforce Pipeline **Jan. 11**
- Governance Series: Communicate the Public Power Advantage **Jan. 24**
- Workforce Series: Beyond Rhetoric: Hands-On Workforce Diversity **Feb. 8**
- Governance Series: Understand Board Roles and Responsibilities **Feb. 14**





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Webinar Dates and Subjects		\$	✓
1.	January 9 - Characteristics of Underground Primary Cable - To efficiently size underground cables, one must first understand the physical structure of the conductors, and the function of the components of the underground cable. Understanding the function and limitation of each layer of the underground cables enables the designer to more effectively design underground distribution lines.	Free	
2.	February 13 – Sizing Single-Phase Transformers - To size a transformer, it is necessary to have an understanding of basic electric theory, transformer theory, and the thermal loading characteristics of a transformer. Multiple considerations must be evaluated to determine the correct size transformer for maximum efficiency and reliability. These considerations include weather conditions affecting peak demand, building/ house size, appliances and voltage flicker.	Free	
3.	March 13 – Sizing Three-Phase Transformers - Transformers are one of the most significant costs to be considered when serving new customers, and this is especially true for three-phase services. Unlike single-phase transformers which are generally shared by two or more services, three-phase transformers are typically dedicated to one consumer. Sizing three-phase transformers is based on three methods – panel rating, comparable facility, and diversity of the loads.	Free	
4.	April 10 – Transformer Banking - A designer's goal should be to provide the most efficient, economical and reliable power to the consumer. To achieve this goal, a designer must consider the numerous configurations to combine two or three distribution transformers to supply power to a service, and the advantages and disadvantages of each configuration.	Free	
5.	May 8 – Trends in Fuse Savings - The goal of "fuse saving" is to avoid expensive fuse replacement and to avoid lengthy consumer outages. Fuse saving schemes are not practical for all distribution lines. The distribution system must be evaluated to determine the sections of line where implementation of a fuse saving scheme will be beneficial, and to determine the coordination for a fuse saving scheme.	Free	
6.	June 19 – Application and Use of Fault Indicators - Locating faults on underground distribution systems is often frustrating and challenging. Installation of fault indicators can provide a means to quickly locate the source of the outage, thereby drastically reducing the outage time. The challenges to using fault indicators include when and where to install fault indicators to be most beneficial and cost effective. In addition, fault indicators need to be selected based on the continuous current and available fault current.	Free	
7.	July 10 – Understanding and Mitigating Uplift - Uplift is a common problem in the electric utility industry. Understanding the causes for uplift is the beginning of solving and preventing uplift on the distribution system. Recognizing instances where uplift typically occurs will lead to design practices that eliminate the problem before construction. Understanding the causes of uplift, will help designers re-design existing structures to correct existing problems.	Free	
8.	August 14 – Understanding Construction Specifications - The purpose of construction specifications, whether RUS specifications or individual utility specifications, is to create a uniform construction criteria for the electric distribution system. Engineers, designers, superintendents, and linemen need a working knowledge of the utility specifications to ensure the power lines are designed and built to be safe, reliable and efficient. The discussion of construction specifications will include materials, design parameters, maximum line angles, and design guides.	Free	
9.	September 11 – Design and Framing of Riser Poles - The design of a riser pole must consider the underground cable attachment to the pole, the placement of arresters to reduce lead lengths, different types of terminators, and switches. The webinar will discuss different framing methods for riser poles that meet NESC requirements as well as operational goals. Common errors in framing risers will be presented and analyzed.	Free	
10.	October 9 – Professional Ethics for Utility Personnel - Ethics is not always black and white or good and evil. Often simple situations such as going to lunch with someone can be considered a breach of ethics. Using realistic examples, the presentation will discuss possible pitfalls when working with vendors, government officials, consumers, etc. and offer methods to avoid such situations.	Free	
11.	November 13 – Primer on Current Demand Side Management Practices - Demand side management is employed with various goals and methods which can include sustainability, improving load factor, reducing generation requirements, reduction in transmission congestion, and reducing wholesale power costs. This webinar will address the tools used in the industry to manage the system demand. The advances in communication such as RF mesh radio systems and smart thermostats have increased the number and types of tools available for deployment.	Free	

Please check all or the individual webinars you are interested in, complete the information below, and email to : jennifer@amea.com - 334-387-3502 - 80 TechnaCenter Drive, Montgomery, AL 36117

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