



OKLAHOMA PUBLIC POWER

A publication of the Municipal Electric Systems of Oklahoma

March 2015

MESO Monitoring Legislative Session

The Oklahoma Legislature began its 2015 session Monday, February 2, to address numerous issues and to craft a budget for the State of Oklahoma. MESO is following potential action which may impact member cities and Public Power in Oklahoma.

“The members of the legislature filed more than 2,000 bills,” said Tom Rider, MESO’s General Manager. “We are closely monitoring those that could change how our member cities do business every day – some may prove to be positive changes while others could prove to create unnecessary challenges.”

Senator Rob Standridge of Norman filed and has since voluntarily recalled from consideration SB 188. The bill called for a valuation and sale of certain Grand River Dam Authority (GRDA) assets. It excluded hydro-power electric generation and lake management which would have remained under the Authority.

“We thank Senator Standridge for withdrawing this bill,” Rider said. “We also appreciate the MESO membership who communicated the important role GRDA has in Oklahoma.”

Another, HB 1973 — a one page bill — repeals Title 11 “which



(see SESSION, page 7)

MESO Lays Out Multi-Year Plan as Part of On-Going Effort to Improve Field Skills Training and Apprenticeship Program

A new multi-year plan is part of work completed that is expected to generate improvements in the MESO Apprenticeship Training Program and field skills training for any lineworker.

“We looked at the MESO Apprenticeship Program requirements and listened to what training our members need,” said Tom Dougherty, MESO’s Director of Job Train-

ing and Safety. “We now have a multi-year program designed to let our members see what training is coming up and determine how it fits into their individual needs.”

The MESO Apprenticeship Program is designed to give lineworkers the skills and experience to achieve the rank of Journeyman Lineman. Participants in the program learn from both written curriculum and

field in addition to specialized training events. Each year training of the Apprenticeship Program is designed to provide new training while reinforcing previously learned material.

“We appreciate the guidance of our Oversight Committee and input from all of our members,” said Dougherty. “We added ‘Streetlight
(see PLAN, page 6)

In This Issue

2015 MESO Public Power Conference Offers Something for Everyone – Page 2	Invite Your Local Elected Officials to the MESO 2015 Elected Officials Conference – Page 3	Updated Mutual Aid Agreements Sent Out for Signature – Page 4	OMPA Considering Ceiling Insulation Rebate Program – Page 7
---	---	--	--

2015 MESO Public Power Conference Offers Something for Everyone

Register today for the 2015 MESO Public Power Conference which offers something for everyone in Public Power.

"We have four learning tracks this year, Superintendent, Lineworker, Customer Service, and our new Power Generation track," said Tom Rider, MESO's General Manager.

The theme of the annual meeting to be held April 26 – 28 in

Norman is "Energize the Future." Registration is now available at www.meso.org.

"We also have Sue Kelly, the CEO and President of the APPA, to report on the state of public power from a national perspective and Strata Leadership's, Dr. Nathan Mellor. He is one of Oklahoma's foremost experts on leadership."

Anyone interested in the

conference can contact Rider at (405) 528-7564 or tom@meso.org or Palma Lough at (405) 359-2514 or plough@ompa.com with any program, event or sponsorship questions.

Registration questions can be directed to Deborah Miner-Gonzalez at (405) 528-7564 or deborah@meso.org.

Register today at www.meso.org for the

2015 MESO Public Power Conference

April 26-28, 2015

Embassy Suites Hotel & Conference Center • Norman

Presenting Partners: MESO • GRDA • OMPA

MESO MEMBER UTILITIES

Altus*	GRDA*	Pond Creek*
Anadarko	Hominy*	Poplar Bluff, Mo
Benton, Ark*	Hope, Ark*	Prague*
Bentonville, Ark*	Kaw City	Prescott, Ark*
Blackwell*	Kingfisher*	Purcell*
Braman	Laverne*	Pryor*
Broken Bow	Lexington	Ryan
Burlington	Lindsay*	Sallisaw*
Byng	Mangum*	Siloam Springs, Ark*
Clarksville, Ark*	Manitou	Skiatook*
Claremore*	Mannford*	South Coffeyville
Coffeyville, Kansas	Marlow*	Spiro*
Collinsville*	Miami*	Stillwater*
Comanche*	Monett, Mo*	Stilwell*
Copan	Mooreland*	Stroud*
Cordell*	Newkirk*	Tahlequah*
Cushing*	Okeene*	Tecumseh*
Duncan*	Olustee	Tonkawa*
Edmond*	OMPA*	Wagoner*
Eldorado	Orlando	Walters*
Fairview*	Paragould, Ark	Watonga*
Fort Supply	Paris, Ark	Waurika*
Frederick*	Pawhuska*	Waynoka*
Geary*	Pawnee*	Wetumka
Goltry*	Perry*	Wynnewood
Granite*	Ponca City*	Yale*

*Job Training & Safety Participants

MESO BOARD OF DIRECTORS & STAFF

President

Dean Sherrick, Edmond

President-Elect

David Slezickey, Kingfisher

Vice President

Tim Schook, Stroud

Secretary / Treasurer

Daryl Golbek, Claremore

Directors

Mike Doublehead, Tahlequah

Phil Johnston, Ponca City

John Ramey, Okeene

Gary Pruet, Pryor

Karen Riffel, Mooreland

David Yeager, Duncan

Dan Blankenship, Stillwater

Ex-Officio Members

Drake Rice, OMPA

Grant Burget, GRDA

General Manager

Tom Rider

Director of

Administration & Accounting

Deborah Miner

Administrative Assistants

Michelle Danner

Nita LaBlue

Director of Communications

Jeff Kaufmann

Director of Training & Safety

Tom Dougherty

Training and Safety Instructors

Ray Armstrong

Terry Knox

Gary Gardner

MESO OFFICE

308 N.E. 27th Street

Oklahoma City, OK 73105-2717

(405) 528-7564 or (800) 636-MESO

(405) 524-5095 FAX

www.meso.org

Invite Your Local Elected Officials to the MESO 2015 Elected Officials Conference

MESO will hold its second annual Elected Officials Conference April 27 in Norman in conjunction with the 2015 MESO Public Power Conference.

"I encourage everyone involved with Public Power in Oklahoma to invite their mayors and city council members to attend this one-day event," said Tom Rider, MESO's General Manager. "We have a great program planned where your local, elected leaders will learn about the benefits of owning an electric utility and some of the important operational issues."

The annual MESO Elected Officials Conference is a one-day session designed for elected officials to hear from public power leaders on a wide variety of pressing issues facing municipalities today. Registration begins at 8 a.m. and the conference is scheduled to end by 4 p.m.

Elected officials attending the 2015 MESO Elected Officials Conference are invited to stop by the 2015 MESO Public Power Conference — Oklahoma's premier gathering of public power leaders from across the state and a wide variety of industry exhibitors.

The theme for the 2015 conference is "Energize the Future" and will highlight the contributions public power makes to communities served.

"By holding the Elected Officials Conference in conjunction with the Public Power Conference, your local leaders also will be able to hear the APPA President and CEO, Sue Kelly, discuss national issues which may impact our cities," Rider said.

- Remarks by Sue Kelly, President and CEO, American Public Power Association (APPA)
- Developing Electric Rates
- The Electric Reserve Fund: Benefits, Needs, Uses
- Importance of Owning Your Own Electric Utility
- Understanding Mutual Aid

Anyone interested in the conference can contact Rider at (405) 528-7564 or tom@meso.org with any program questions. Registration questions can be directed to Deborah Miner-Gonzalez at (405) 528-7564 or deborah@meso.org.



**Power
by Design**

Garver customizes energy services to meet client standards

High-voltage transmission lines	Protection and control relaying
Power distribution substations	Route-selection studies
Distribution systems	Environmental and permitting
Generation	Surveying and property acquisition
System studies	

For more information contact Alan Miner
at AEMiner@GarverUSA.com



Exceeding Expectations GarverUSA.com

Updated Mutual Aid Program Agreements Sent Out for Signature

Updated MESO Mutual Aid agreements have been sent for signature to all member cities. Signed agreements should be returned to MESO by March 17.

“The MESO Mutual Aid Program allows for member cities to call on each other for support at various times,” said Tom Rider, MESO’s General Manager. “We most often think about mutual aid after natural disasters, but it can also be used for planned maintenance or other more routine circumstances.”

The MESO Mutual Aid Program is modeled, in part, from the American Public Power Association (APPA)

Mutual Aid Playbook and was recrafted to be even more specific to better meet the needs of MESO members.

A MESO working group lead by Drake Rice, Director of Member Services, Oklahoma Municipal Power Authority, revised the MESO Mutual Aid Program. Joining him on the group are Gary Cupp, Grand River Dam Authority, Dean Sherrick and Wes Bennett, Edmond Electric, Tom Dougherty, MESO Director of Safety and Training, and Rider.

Questions about the MESO Mutual Aid Program may be directed to Rider at tom@meso.org.

Coffeyville Municipal Light & Power to Add Generating Capacity

The City of Coffeyville took a significant step toward solidifying the future of Coffeyville Municipal Light and Power (CMLP) by the recent signing of a new power purchase and sale agreement with the Grand River Dam Authority (GRDA).

As a result of the new contract, an agreement was approved with Wärtsilä North America to purchase and install an additional 56 MW of generating capacity — three 18.7 Mw generating units — at a site located in the Coffeyville Industrial Park. The cost of the three generators is approximately \$30 million.

“The generators are currently being built in Italy and are expected to be in commercial operation by January 2017,” said Gene Ratzlaff, CMLP Electric Utility Director. “We began planning this New Generation Project in May 2012. We are pleased to partner with GRDA on this project which will allow us to install additional capacity, replace our aging generating assets and provide efficient and fast starting peaking generation for our customers.”

The contract with GRDA, headquartered in Vinita, Oklahoma, will be in effect through 2042, and Coffeyville will continue to purchase all power necessary from GRDA. An amended capacity purchase agreement is included in the contract. This agreement allows for GRDA to call on CMLP to generate electricity.

Currently, Coffeyville provides GRDA with a total of 56.2 MW of generating capacity. Once the New Generation project is completed, Coffeyville will supply GRDA a total of 86 MW of generating capacity. An added benefit to this project is the ability to quick start the new generators. In the event Coffeyville lost power from GRDA, the new units would be able to be up and running and providing power to our residents



Coffeyville Mayor Jim Falkner and Gary Groninger, Wärtsilä Business Development Manager sign the agreement to purchase generators for the New Generation project

and businesses in eight minutes. The existing generators require six to eight hours to start up.

According to Ratzlaff, Burns & McDonnell from Kansas City, Missouri, has been selected as the owner’s engineer for this project. The Southwest Power Pool (SPP) will dispatch these units into the SPP integrated market which will provide an economic, flexible generation resource for all customers within the SPP region.

“We are very excited to make this announcement,” stated Mike Shook, Electric Utility Deputy Director. “The City of Coffeyville believes this new generation project will allow us to continue to serve our community by providing reliable, affordable electric service to our residents, businesses and the surrounding area for many years to come, just as we have since 1901.”

Utility Solar Leader Says Community Projects Are Best for Public Power

From the February 9, 2015 issue of Public Power Daily

By Laura D'Alessandro
Integrated Media Editor

Solar is a fast-rising area of interest for consumers and utilities alike with burgeoning popularity and declining costs. The United States added about 4 gigawatts of solar generation to the grid in 2013. Public power contributed 200 megawatts to that total.

Julia Hamm is the president and CEO of the Solar Electric Power Association, a non-profit organization focused on helping utilities integrate solar into their portfolio. Hamm recently answered some questions for Public Power Weekly about solar and public

power utilities. Read more about the best business models for integrating solar in the March-April issue of Public Power magazine.

Public power utilities may encounter solar not on their own accord but because of their customers — why are customers so interested in solar? Why should utilities follow their lead?

Solar has always appealed to a small group of customers who valued self-reliance or wanted to demonstrate environmental stewardship. As solar has become more affordable — the price of a solar PV panel has dropped by about 80 percent over the past 10 years — a growing segment of customers see solar (see UTILITY SOLAR, page 9)



As the cost of solar continues downward, more customers will seek to use it, said Solar Electric Power Association President and CEO Julia Hamm, pictured above.

Photo courtesy of the Solar Electric Power Association.

ENGINEERING & OPERATIONS



CUSTOMER CONNECTIONS



BUSINESS & FINANCE



SYSTEM IMPROVEMENT



Hometown Connections®

DELIVERING VALUE TO PUBLIC POWER

Integrated Solutions for Public Power



BUSINESS & FINANCE

For premier cost of service studies/rate design, CIS/billing/financials, workforce solutions, and energy risk management, turn to Hometown Connections for Business & Finance solutions from public power's leading consultants and software providers.

partners



970.682.4217 + www.hometownconnections.com

Plan (continued from page 1)

Maintenance’ as a topic because we heard the need from a member, and the oversight committee agreed to add it.”

The MESO Job Training and Oversight Committee. Committee members are Dougherty; Dean Sherrick, Edmond; Rodney Green, Anadarko; Dave Wetherell, Edmond; and, Micah Keeling, Stroud.

“While we continue to deliver monthly safety programs and conduct field skills training, we are working to put in place an ‘Advanced Journeyman Training’ for our more skilled, veteran lineworkers who might need some additional training,” Dougherty added.

For more information about the MESO Apprentice Program or any Job Training and Safety Training, contact Dougherty at tomd@meso.org.



Upcoming MESO Field Skills Training (2015–2020)

2015

Date	Topic (Location)
May	Transformer School (GRDA/Pryor)
August	Basic Fundamentals (MESO)
September	Construction Standards (Ponca City)
November	Underground Line Design and Maintenance (MESO)

2016

Date	Topic (Location)
January	Basic Overhead Line Maintenance (Edmond)
March	Level 1 Climbing School (TBD)
May	Street Light Maintenance (MESO)
July	Electric Line Tools (MESO)
September	Construction Standards (TBD)
November	Level 2 Climbing School (TBD)

2017

Date	Topic (Location)
January	Electric Reference Material (MESO)
March	Metering Basics (Edmond)
May	Conductor String/Sagging (MESO)
July	Underground Trouble Shooting (TBD)
September	Digger Derrick School (TBD)
November	Level 1 Climbing (TBD)

2018

Date	Topic (Location)
January	Utility Pruning Class (MESO)
March	Level 2 Climbing (TBD)
May	Basic Fundamentals (MESO)
July	Transformer Basics (Edmond)
September	Construction Class (TBD)
November	Grounding Basics (MESO)

2019

Date	Topic (Location)
January	Level 1 Climbing (TBD)
March	Basic Trouble Shooting / Underground & Overhead (MESO)
May	Street Lighting Issues (MESO)
July	Underground Design and Maintenance (TBD)
September	Digger Derrick School (TBD)
November	Metering Basics (TBD)

2020

Date	Topic (Location)
January	Performing Maintenance (MESO)
March	Level 2 Climbing School (TBD)
May	Service Installations (MESO)
July	Switches & Reclosers (MESO)
September	Construction Standards (TBD)
November	Tools of the Trade (MESO)

TBD – to be determined
 Dates and topics are subject to change

Save the date!

**2015 MESO
 PUBLIC POWER DAY
 AT THE STATE CAPITOL**

April 7, 2015
 Oklahoma City, Oklahoma

More details to come.

OMPA Considering Ceiling Insulation Rebate Program

The Oklahoma Municipal Power Authority's (OMPA) Energy Services Committee is reviewing guidelines for a possible Ceiling Insulation Rebate Program.

The rebates — pending approval by the OMPA Board of Directors — are expected to be added to the Ways I Save Energy (WISE) program and offered to residents of participating OMPA member cities.

Among the suggested guidelines presented during a February 18 Energy Services Committee meeting were that rebates will be limited to 30 percent of the total cost of insulation, rebates can be issued as a check or a bill credit, insulation may be installed by a qualified contractor or the property owner, a representative of the city must inspect the property, and a rebate application must be received by the city within 90 days of completion of the installation of the insulation.

Other specifics included requiring energy audits, requiring spray foam insulation to be installed by a qualified professional and requiring attic or roof insulation to be at least 12 inches in depth with an insulation value of R-38. New homes would not be eligible for rebates, nor would insulation above a garage, while mobile homes would be evaluated on a case-by-case basis.

Aside from the ceiling insulation rebates, the W.I.S.E. rebate program also provides customers of participating member cities rebates for energy-efficient air conditioners and electric heat pumps.

As part of the on-going review process, the committee will return comments and recommendations on the guidelines to OMPA's Energy Services Manager, Roger Farrer, by March 2.



MESO Affiliate/ Associate Members

- Allgeier, Martin & Associates, Inc.
- Altec
- APPA
- CIA Machinery
- Equipment Technology, Inc.
- ESC Engineering
- Finley & Cook, CPA's
- Fred Oberlender & Associates
- Garver, LLC
- Grand River Dam Authority
- Green Equipment Company
- Guernsey
- Hometown Connections
- Irby
- Kriz-Davis Company
- Local Government Testing Consortium
- M.W. Bevins Company
- Marathon Electric Co.
- Northwest Transformers Co., Inc.
- Oklahoma Municipal Power Authority
- Protective Equipment Testing Laboratory
- Solomon Corporation
- Sooner Meter Sales & Service
- Southwestern Power Administration
- Southwestern Power Resource Association
- Stanley Consultants
- T&R Electric Supply Co., Inc.
- Techline
- United Systems Technology, Inc. (USTI)

Session

(continued from page 1)

relates to rights of municipalities." The potential impact is that cities may be unable to conduct routine business such as operating a utility.

"These are but two of the measures we are tracking through their life in the Legislature," Rider said. "We will work closely with all municipal interests on any bill that has a negative impact on municipalities and municipal operations." Currently, MESO is tracking 128 specific pieces of proposed legislation.

The 2015 Legislative Session is expected to adjourn no later than 5 p.m. Friday, May 29. Questions about legislation may be directed to Rider at tom@meso.org.

Editor's Note: The legislative process is fluid and things can and will change quickly. The information in the article above was accurate at the time of submission.



Northwest Transformer Co., Inc.
 2 SE 29th • Oklahoma City, OK 73129
 (405) 636-1454
 Fax (405) 636-0127 • 1-800-633-1613
 "Transformer Sales & Service"
 "OCR Repair"

GRDA Meets with Customers

New generation, the ten-year financial forecast, ongoing engineering projects and updates on other issues were on the agenda in mid-February when the Grand River Dam Authority held its annual meetings with customers.

These gatherings have become a February tradition in recent years as they bring together representatives from the municipalities, electric cooperatives and industrial operations that purchase electricity from the Authority. Delivering low-cost, reliable power to these customers 24/7/365 is a primary task, but providing them with information, updates and a chance for open dialogue is also an important part of the Authority's mission.

GRDA Chief Executive Officer Dan Sullivan opened the meetings with a discussion of several of the topics at the top of the Authority's agenda, including an overview of the important credit rating upgrades GRDA received

prior to its bond issues in the fall of 2014. Funds from those issues will be used to construct the new Unit 3 combined cycle generation plant.

During the municipal customer meeting, Sullivan also discussed GRDA's stance on Senate Bill 188 (which proposed as sale of GRDA assets), and told the group that GRDA planned to take part in the American Public Power Association (APPA) Legislative Rally in Washington, DC in March. At that rally, Sullivan (who is a member of the APPA Board of Directors) said public power leaders from across the country would be discussing several key issues, including the impact of EPA's carbon dioxide regulations on utility operations and tax-exempt financing.

Other members of GRDA management also presented



GRDA Chief Engineer Jeff Tullis updates customers on ongoing GRDA engineering projects during a customer meeting on February 12.

customers with information on the Unit 3 construction project, emissions control upgrades on Unit 2 (coal fired unit), GRDA's current activities in the Southwest Power Pool (SPP) energy market and ongoing engineering and construction projects. Finally, the updated ten-year financial forecast was also presented.

Tragedy Should Remind Us All of the Importance of Safety

MESO asks all members to keep the family of Dustin Galyan's family in your thoughts and prayers. He was recently electrocuted while working on a power line near Liberty, OK.

He was part of the larger line-worker family and worked for Texhoma Power Line Company of Sayre. He left behind one child, a mother and grandmother.

According to news reports, wit-

nesses at the scene say Galyan was working in an extended bucket attempting to put an armor guard on the line, but had failed to wear the provided safety rubber gloves. He contacted the live line and fell back into the bucket.

Save the date!

**2015 MESO
LINEWORKERS
RODEO & SAFETY TRAINING**

**October 14 & 15, 2015
Ponca City, Oklahoma**

 **Fred Oberlender & Assoc., Inc.**
Dallas • Fort Worth • Houston • Austin • Tulsa • Oklahoma City
www.oberlender.com

Proudly representing the following manufacturers:

Aluma-Form, Inc. • AmeronInternational • Armorcast
Basler Electric Company • CG Power Systems Americas • Cantex
Cementex • ERICO, Inc. • GE Lighting Systems
GE Lamps • Hastings • Kerite/Hendrix • Mehta Tech, Inc.
Pascor • Power Delivery Products, Inc. • Power Monitors, Inc.
S&C Electric Company • Sabre Tubular Structures • Schneider Electric
Tech Products • Trench • Unifin • Union Metal • Utilco

Doug Osborn • Territory Manager
Mobile (918) 630-2782 Email: dosborn@oberlender.com

Gene Peavler • Oklahoma City Office
Mobile (405) 833-8647 Email: gene@oberlender.com

Sue Trammel • Inside Office Support for Tulsa & Oklahoma City
Office (918) 627-4200 Email: sue@oberlender.com

Utility Solar

(continued from page 5)

as an economic choice. A 2013 survey by The Solar Foundation revealed that 74 percent of people who chose to invest in solar did so because they perceived that solar would save them money or that solar was competitive with utility rates. As the cost of solar continues to drop, more customers will seek out solar for economic reasons.

Since all utilities are different, the right model for solar can vary from place to place. Some business models are better than others – any favorites for small, locally owned utilities? What’s your advice for public power utilities approaching solar?

We believe that public power utilities across the country would be wise to look first at community solar. It is proving to be a popular and successful way for non-profit, community-based utilities in particular — public power and electric co-ops — to actively engage customers in solar. A utility-managed community solar project allows the utility to provide customers a voluntary means to access solar. The utility can control the location and the size of the system to meet customer demand. One electric co-op CEO recently told me, "In my 35 years in the utility business, I have never seen anything close to the positive reaction we received for launching our first community solar project."

The impact of distributed generation on the utility business model is a big question facing the industry. Where do you see the utility business model in 5 years and 10 years and how is solar a part of that?

There is an undeniable trend to a more decentralized grid, and solar is just one element driving this change. While baseload, central station power will continue to be the backbone, the rise of distributed energy sources is going to command a lot of attention as it puts pressure on the utility to manage the grid differently. Utilities are the key to the successful integration of distributed energy, just as they are to serving new customer loads such as electric vehicles. We believe that utilities can make the management of resources like solar, wind and energy storage a viable part of the business model of the utility in the very near future.

Solar is clearly all the rage right now. As a result, some folks have said it’s just a flash in the pan trend. What’s your take on that and how should utilities proceed?

It is always wise to be cautious about the 'next big thing.' In the case of solar, we do not see a retreat from the fundamental progress that has been made in reducing the cost of manufacturing a photovoltaic module from north of \$5-a-watt to well less than \$1-a-watt. The scale, sophistication and efficiency of manufacturing is well-established and markets are expanding around the globe. Solar PV is a relatively simple, straightforward technology with very low operating costs and proven reliability. It cannot "do it all" as it is inherently a variable resource, limited by the availability of sunshine. Utilities are in the perfect position to capture the highest value of solar by integrating it with other resources. At SEPA, our mission is to help utilities work through these changes and discover how solar can become a positive asset to the utility and its customers.

public power



Partnering with municipalities since 1928 providing quality engineering, architectural and consulting services throughout the United States.

Guernsey primarily works closely with electric cooperatives and municipal electric systems. Beyond traditional substation, transmission and distribution design services, we provide technical consulting services, such as power system planning, supervisory control and data acquisition/load management, relay coordination, renewable generation, Certificates of Convenience and Necessity, and environmental/regulatory compliance.



guernsey
ENGINEERS
ARCHITECTS
CONSULTANTS



REALIZE THE DIFFERENCE
405.416.8100 | guernsey.us

- Financial & Rate Analysis
- Power/Fuel Supply
- Restructuring
- Strategic Planning
- Market Analysis
- Load Forecasting
- Power Contract Negotiation
- Gas & Electric Acquisition
- Substation
- Transmission
- Distribution
- Architecture
- Power Engineering
- Environmental Services
- Security

HEADQUARTERS
5555 NORTH GRAND BOULEVARD OKLAHOMA CITY, OK 73112

UPCOMING MESO & APPA EVENTS

March 9 – 12, 2015
APPA Legislative Rally
Washington, D.C.

April 26 – 28, 2015
MESO Public Power Conference
Norman, Oklahoma

May 16, 2015
APPA Lineworkers Rodeo
Sacramento, California

May 17 – 20, 2015
APPA Engineering and & Operations Technical Conference
Sacramento, California

May 27, 2015
Transformer Class
(part of the MESO Apprenticeship Training Program)
Pryor, Oklahoma (GRDA Facility)

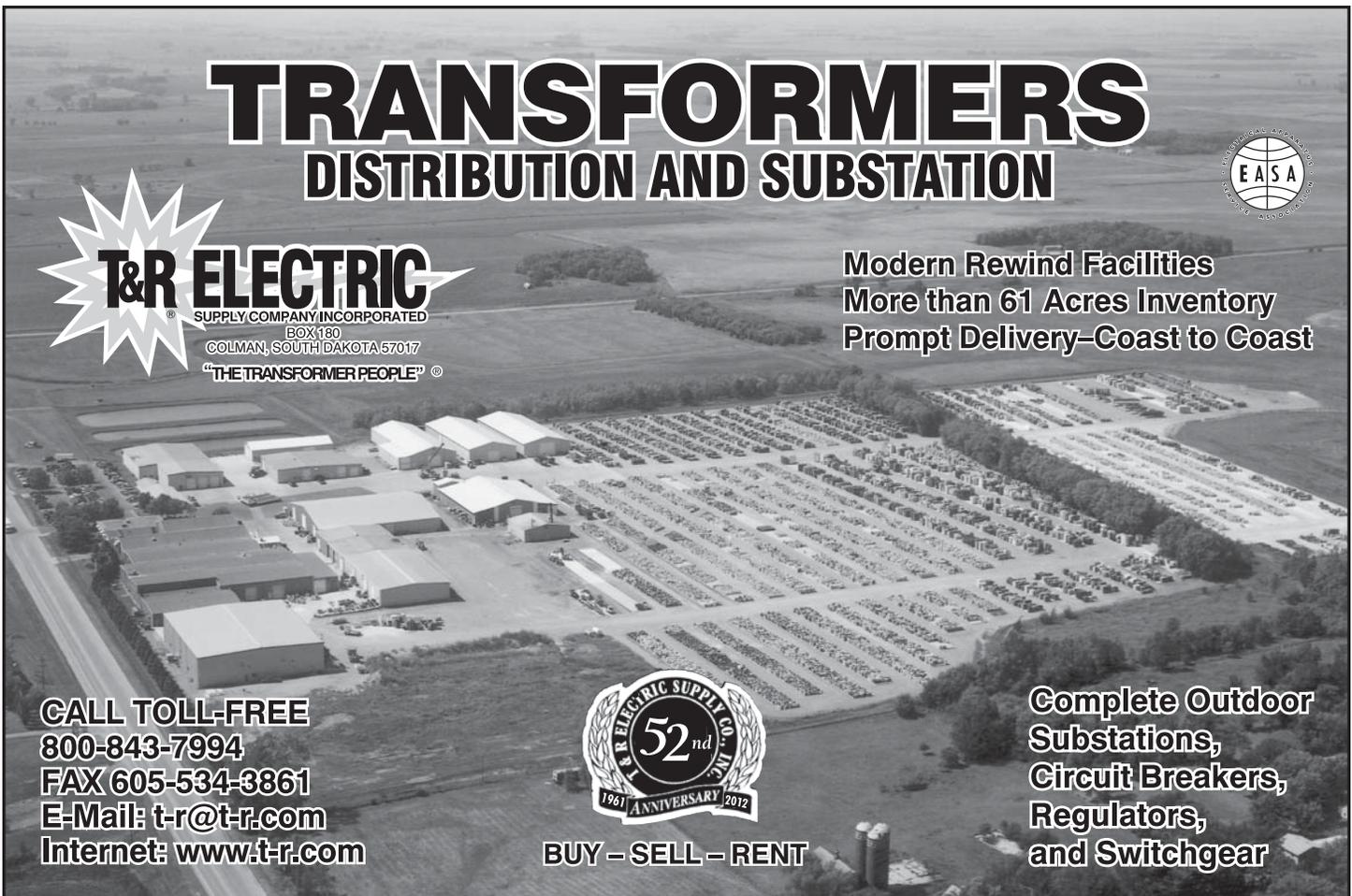
July 15, 2015
Overhead Electric Basics
(part of the MESO Apprenticeship Training Program)
Edmond, Oklahoma (MESO's Training Field)

September 14 – 18, 2015
Line Design Build
Location TBD

October 14 – 15, 2015
2015 MESO Lineworkers Rodeo
Ponca City, Oklahoma

November 15, 2015
Underground Basics
(part of the MESO Apprenticeship Training Program)
Edmond, Oklahoma (MESO's Training Field)

Schedule subject to change



TRANSFORMERS

DISTRIBUTION AND SUBSTATION



T&R ELECTRIC
SUPPLY COMPANY INCORPORATED
BOX 180
COLMAN, SOUTH DAKOTA 57017
"THE TRANSFORMER PEOPLE" ©

Modern Rewind Facilities
More than 61 Acres Inventory
Prompt Delivery—Coast to Coast

CALL TOLL-FREE
800-843-7994
FAX 605-534-3861
E-Mail: t-r@t-r.com
Internet: www.t-r.com



BUY – SELL – RENT

Complete Outdoor Substations, Circuit Breakers, Regulators, and Switchgear

Rate Studies

SCADA Systems

Substation Designs

Grounding Networks

Power Supply Studies

Optical Fiber Systems

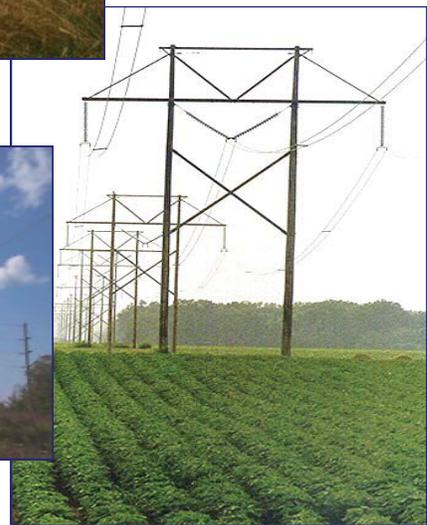
Distribution Line Design

Protective Relaying Systems

Gas and Diesel-Fired Generation

Regulatory Compliance Assistance

System Mapping and GIS Services



www.amce.com



For more information,
scan the QR code
or contact us at
mail@amce.com.



ALLGEIER, MARTIN AND ASSOCIATES, INC.

Consulting Engineers and Surveyors

Corporate Office: 7231 East 24th Street - Joplin, MO 64804 - 417.680.7200

Rolla Office: 112 West 8th Street - Rolla, MO 65401 - 573.341.9487

Contact Dave Garrison, P.E. at 918.638.7857



Kriz-Davis Co.

WHOLESALE ELECTRICAL SUPPLIES

“An Employee Owned Company”



GROVE DIVISION

63201 E 290 Road
Grove, OK 74344
918-791-9600

JOPLIN DIVISION

1027 Virginia Avenue
Joplin, MO 64801
1-800-798-0118

WICHITA DIVISION

3800 West Dora
PO Box 13281
Wichita, KS 67213-3281
1-800-766-5654

DODGE CITY DIVISION

2303 West Frontview Street
P.O. Box 1088
Dodge City, KS 67801
1-888-408-9179