



# Introduction to Substations

February 8, 2017  
Pryor, Oklahoma

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Electricity passes through substations every day as it moves from the power plant to your customers' homes and businesses. Regardless of whether you are responsible for maintenance, this one day workshop will provide Public Power Professionals an overview and understanding of this important part of the electric grid.

The topics covered will benefit workers at any skill level. All MESO training is safety driven, so your employees will learn safe work practices.

### **An overview of “Introduction to Substations”:**

- Review of devices found in substations and their purpose to include transformer features and name plate information.
- What do protective relays do – electro – mechanical relay and solid state – electronic relays.
- Substation Maintenance Program – weekly; annual oil testing; and relay / equipment / transformer testing.
- Procedure for transferring load from one feeder to another or from one transformer to another?
- What steps to take to re-energize a feeder after a fault? What steps to re-energize a transformer after a fault?
- FR clothing in substations?
- Substation tour

**Registration deadline is February 1, 2017**

**Class size is limited - register today!**

**[Click here](#) to register online**

**Attendees are required to bring the following equipment:**  
**Hard hat, long-sleeved FR shirt, and eye protection (safety glasses).**

### **Cost:**

\$99 per person (includes lunch)

### **Instructors/Facilitators:**

#### **Choya Shropshire, GRDA Superintendent of Substation Operations**

Choya has more than 40 years of power industry experience. In his current role, he has been involved with installs and maintaining various types of equipment from 15KV to 345KV including transformers, breakers, regulators, capacitors, CTs, PTs, CCVTs, and various types of switches.

#### **Tom Dougherty, MESO's Director, Training and Safety**

A public power systems veteran with three decades of service, Tom's experience includes being a serviceman, lineman, lead lineman, and crew chief. He's worked with both overhead and underground systems and focuses on safety first. Tom and his team lead all of MESO's on-the-job and safety training.

### **Class Schedule:**

8:30 a.m. – Registration

9 a.m. – Class Room Session

11:45 a.m. – Lunch (provided)

1 p.m. – Substation Tour

2:45 p.m. – Q&A

### **Location:**

GRDA Pryor Facility

635 OK-69A

Pryor, Oklahoma 74361

### **Questions:**

For more information about the training session contact Tom Dougherty by telephone at 405-528-7564 or by email at [tomd@meso.org](mailto:tomd@meso.org).

**[Click here](#) to register online**

Registration Form  
**Introduction to Substations**

February 8, 2017

Pryor, Oklahoma

Cost: \$99.00 per person. (Includes lunch).

[Click here](#) to register online

**Please register the following:**

City or Company:		\$99/registrant*
Name/Title:	Email:	
TOTAL:		

Payment Enclosed \_\_\_\_\_ Purchase Order # \_\_\_\_\_ Bill me \_\_\_\_\_

**Send Billing to:**

Name/Title:	Email:
Address:	
City/State/Zip:	
Phone:	Fax:

**Mail Registration to:**  
MESO/OMUSA  
308 N.E. 27th Street  
Oklahoma City, OK 73105-2717

**FAX Registration to:**  
405-524-5095

For more information about the workshop and training, contact **Tom Dougherty** at [tomd@meso.org](mailto:tomd@meso.org). For registration or billing information contact **Deborah Miner-Gonzales** at [deborah@meso.org](mailto:deborah@meso.org).

**\*GRDA Employees and ESD Participants contact Deborah at MESO for your registration codes.**

**REFUND/CANCELLATION POLICY**

Registrants who cancel five (5) working days prior to the date of the workshop (or event) are entitled to a full refund. A fifty percent (50%) refund is available to registrants cancelling at least two (2) working days prior to the workshop or event. There is no refund for cancellations made the day before or the day of the workshop (or event) or for no-shows. To notify of cancellation, please contact MESO by phone at 800-636-6376; fax at 405-524-5095; or, email at [deborah@meso.org](mailto:deborah@meso.org). MESO recognizes circumstances outside of the registrants control may impact attendance at a workshop (or event). If a registrant has a unique situation, please contact MESO, and we will consider exceptions to the policy on a case-by-case basis.

