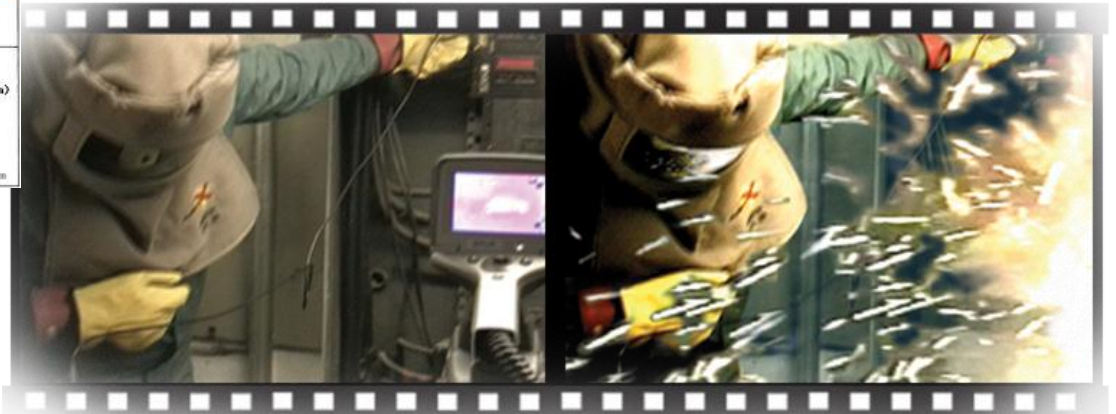


WARNING

**Arc Flash Hazard
Appropriate PPE Required**

Equipment Type	600V Switchgear
Grounding	Grounded
Work Distance	23 Inches (600 mm)
Available 3-Ph Bolted Current	45 kA
Flash Protection Boundary	200 inches
Incident Energy at 23 inches	28.95 cal/cm ²
PPE Level	4

Label created and printed from www.arcadvisor.com



NFPA-70 E Compliance

Arc Flash Training

**Petroleum Club
Crowne Plaza Hotel
27 North 27th Street
Billings, MT 59101**

May 23, 2013

8:00 am to 5:00 pm

SEMINAR INFORMATION

You will learn:

- ✓ Importance and frequency of electrical maintenance
- ✓ De-energized and energized maintenance procedures
- ✓ Trending of maintenance data
- ✓ Personal protective equipment requirements
- ✓ Noise control for electronic equipment for reliability

Standards that will be discussed:

- ✓ NFPA-70B
- ✓ NFPA-70E
- ✓ NEC
- ✓ IEEE 1100, C62, 519

Who should attend?

Facility Managers, Plant Engineers, Maintenance Supervisors, Electricians, Energy Accountants, safety and all other technically oriented decision makers.

Materials Provided

The seminar workbooks are designed to function as a valuable resource, not only during the presentation, but also on the job. Attendees will receive a certificate of participation, which can be submitted to a professional licensing organization for CEU credits. Montana State approved for .8 CEU's

Meals

Breakfast Buffet
Lunch & Afternoon Snacks

Registration fees

\$225 If registered on or before April 19th
\$250 on or after April 20th
Registration Deadline May 14th

Courtesy of:



This workshop series will be conducted by Joseph D. Gierlach Jr., the Vice President of Technical Training and Support for TEGG. Mr. Gierlach has obtained broad technical knowledge and has benefited from a wide range of experiences. He has spent 4 years in the United States Air Force as an Aerospace Ground Support Equipment Technician and has performed testing and electrical maintenance in various mine and plant locations. Mr. Gierlach is skilled with process controls, DCS and DDS systems, PLC process design, installation, programming, and commissioning. He has written several articles related to technical issues, electrical maintenance, and technical training. He is an ITC Level III Certified Thermographer and has obtained a UE Systems Level II Airborne Ultrasound Certification. As Vice President of Technical Training and Support, Mr. Gierlach is responsible for the development and implementation of the TEGG's Operations Initial Training program. He is a classroom instructor for operations and technical sales education programs, develops "hands-on" technical experiments to simulate real-world deficiencies, and provides on-site field support for network locations.



Seminar Outline

NFPA-70E-Arc Flash

- Causes and Consequences of Arc Flash
- Arc Flash Boundary Limits
- Arc Flash Calculations
- Personal Protection Equipment (PPE)

Electrical Preventive Maintenance

- Frequency of Electrical Maintenance
- Energized Testing Procedures
- De-energized Testing Procedures
- Trending of Maintenance Data

REGISTRATION FORM

Mail registration forms to: Mechanical Technology Inc. PO Box 1376, Billings, MT 59103 406-245-8340

Fax: 406-245-0114

Email: sales@mticontrols.com

Company Name: _____ Phone: (____) ____-_____

Attendee Name(s): _____ Fax: (____) ____-_____

Street: _____ City: _____ St: ____ Zip: _____ Email: _____

Name on Credit Card: _____ Credit Card Type: _____

Credit Card Number: _____ Expiration Date: _____

CVV Code: _____ (3 digit number on back of card) Number of attendees: _____

Would you like to purchase an NFPA 70 B or 70 E Book? ____ Yes ____ No \$75.00 per book