

MV-HV INDUSTRIAL ELECTRICAL MAINTENANCE/ SAFETY PRACTICES

May 1-2, 2017 - Richmond, BC
May 4-5, 2017 - Edmonton, AB
May 9-10, 2017 - Winnipeg, MB
May 11-12, 2017 - Toronto, ON
May 15-16, 2017 - St. John's, NL



**2-DAY
COURSE** **\$799**

The Electrical Maintenance Training Course Includes:

- 130+Page Digital Electrical Testing and Maintenance Handbook (Value \$20)
- An Electricity Forum Coupon (Value \$100) to be used against any future 2017/2018 Electricity Forum event (restrictions apply)
- A FREE Magazine Subscription (Value \$50)
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COMPLETE COURSE DETAILS AT

WWW.ELECTRICITYFORUM.COM/FORUMS/ELECTRICAL-MAINTENANCE-TRAINING.HTML

INTERESTED IN ON-SITE ELECTRICAL MAINTENANCE TRAINING?

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- Course Customization
- Flexibility of Schedule
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THE
ELECTRICITY
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www.electricityforum.com/catalog

DAY ONE

Part 1

Why Establish an Electrical Preventive Maintenance (EPM) Program

- Value and Benefits of a Properly Administered EPM Program EPM and Energy Conservation

Part 2

What is an EPM and What Are its Benefits?

- Planning an EPM Program
- Personnel Safety
- Equipment Loss
- Production Economics
- Main Parts of an EPM Program
- Programmed Inspections
- Recordkeeping
- Training for Safety and Technical Skills

Part 3

Planning and Developing a Program

- Survey of Electrical Installations
- Data Collection
- Single Line Diagrams and Data
- Electrical Equipment Installation Change
- Lighting System Diagrams
- Ventilation
- HVAC
- Control and Monitoring
- Emergency Procedures
- Test and Maintenance Equipment
- Identification of Critical Equipment
- Establishment of a Systematic Program
- Inspection Frequency
- Forms, Planning, Records

Part 4

Personal Safety

- Qualification, Tools, Equipment, Training, Arc Flash, NFPA 70e, PPE

Part 5

Fundamentals of Electrical Equipment Maintenance

- Scheduling, cleaning, environmental concerns, equipment additions and retrofits

Part 6

Substations and Switchgear Assemblies

- Insulators
- Conductors
- Air-Disconnecting Switches
- Grounding Equipment
- Enclosures
- Switchgear Assemblies
- Air Circuit Breakers
- Arc Interrupters
- Oil Circuit Breakers
- Interrupter Switches
- Gas-Insulated Substations and Gas-Insulated Equipment
- Maintenance and Repair of the GIS and GIE
- Surge Arresters
- Instrument Transformers and Auxiliary Transformers
- Protective Relays, Meters, and Instruments
- Ground-Fault Indicators
- Network Protectors

...and more

DAY TWO

Part 11

Molded-Case Circuit Breakers

- Types of Molded-Case Circuit Breakers
- Phase-Fault Current Conditions
- Ground-Fault Tripping
- Special-Purpose Breakers
- Inspection and Cleaning
- Loose Connections
- Mechanical Mechanism Exercise

Part 12

Ground Fault Protection

- Personal and Equipment Protection
- Part 13
- Fuses
- Fuses Rated 1000 Volts or Less
- Fuses Rated over 1000 Volts
- Installing and Removing Fuses
- Inspection, Cleaning and Servicing
- Replacement

Part 14

Rotating Equipment

- Maintenance, cleaning, Testing
- Stator and Rotor Windings
- Brushes, Collector Rings, and Commutators
- Bearings and Lubrication

Part 15

Lighting

- Cleaning, Relamping, Disposal

Part 16

Wiring Devices and Portable Tools

- Heavy-Duty Industrial-Type Plugs, Cord

Connectors, and Receptacles Periodic Inspection of Crucial Wear Points Employee Training Cord and Attachment Plug Care

Part 17

Testing and Test methods

- Acceptance Tests and Maintenance Tests
- Frequency of Tests
- Special Precautions and Safety
- Qualifications of Test Operators
- Insulation Testing
- Dielectric Absorption
- Protective Device Testing
- Circuit Breaker Tests
- Transformer Turns-Ratio and Polarity Tests
- Impedance Testing of Equipment Grounding Conductor
- Infrared Inspection
- Meggaring, Continuity, Hi-Pot testing of equipment

Part 18

Uninterruptible Power Supply (UPS) Systems

- UPS System Maintenance Procedures General
- System Tests, Routine Maintenance, Special Tests

Part 19

- Power Quality
- Harmonics
- Transients (Surges)
- Voltage Sags and Swells

...and more

FOR COMPLETE PROGRAM DETAILS VISIT: WWW.ELECTRICITYFORUM.COM/FORUMS/ELECTRICAL-MAINTENANCE-TRAINING.HTML

COURSE INSTRUCTOR:

JOHN ROBIN, ARC FLASH/ELECTRICAL MAINTENANCE/
SAFETY CONSULTANT, THE ELECTRICITY FORUM

The registration fee to attend the 2-Day MV-HV INDUSTRIAL ELECTRICAL MAINTENANCE/SAFETY PRACTICES training course is \$799.00 + Tax.

Register and prepay 14 days before forum date and receive an early bird registration fee of \$749.00 + TAX

SPECIAL PROMOTION: Register 3 delegates at the full price of \$799 each, and get a 4th registration FREE!

The fee includes Course presentation materials, refreshments, Lunch is Included with this course.

CANCELLATION AND REFUND POLICY Registration fees are refundable only upon receipt of written notification 10 days prior to the conference date, less a 10 per cent service charge. Substitution of participants is permissible. The Electricity Forum reserves the right to cancel any conference it deems necessary and will, in such event, make a full refund of the registration fees.

WAYS TO REGISTER



1 (855) 824-6131



ON-LINE:

www.electricityforum.com/forums/electrical-maintenance-training.html

WHEN & WHERE

Richmond, BC - May 1-2, 2017

Holiday Inn Vancouver Airport
10720 Cambie Road
Richmond, BC
Tel: 604-821-1818

Toronto, ON - May 11-12, 2017

Hampton Inn and Suites
3279 Caroga Drive,
Mississauga, ON
Tel: 905-671-4730

Edmonton, AB - May 4-5, 2017

Sawridge Inn Edmonton South
4235 Gateway Blvd NW
Tel: 780-438-1222

St. John's, NL - May 15-16, 2017

Comfort Inn St. John's Airport
106 Airport Road
Tel: 709-726-3408

Winnipeg, MB - May 9-10, 2017

Sandman Hotel & Suites
Winnipeg Airport
1750 Sargent Ave.
Winnipeg, MB
Tel: 204-775-7263