



MINNESOTA MUNICIPAL UTILITIES ASSOCIATION

# Overhead Lineworker School

September 15-18, 2015

MMUA Training Center, Marshall, MN

Sponsored by:

Minnesota Municipal Utilities Association

Minnesota Rural Electric Association

American Public Power Association

Minnesota Municipal Utilities Association and our partners, Minnesota Rural Electric Association and American Public Power Association, are pleased to announce the 2015 Overhead Lineworker School. The class lineup this year has something for all levels of lineworker. Read through the information carefully and make your selection according to your interests and level of expertise.



## Minnesota Municipal Utilities Association

3025 Harbor Lane North  
Suite 400  
Plymouth, MN 55447-5142

Phone: 763-551-1230  
Fax: 763-551-0459  
[www.mmua.org](http://www.mmua.org)

**MMUA Training Center Mission:** To promote, perform, and enhance safe work environments in our municipal utilities, with the willingness to learn and pass on the passion of the craft.

# 2015 Overhead School – Overview of Classes

## **GENERAL SESSIONS**

### **2016 APPA National Lineworkers Rodeo**

*Instructor: Mike Willetts, MMUA*

For the first time ever Minnesota is hosting an APPA National Lineworkers Rodeo! The big event takes place April 2, 2016 at Canterbury Park in Shakopee. With the full support of our members it's sure to be an awesome event! Mike will share the plan on how we collectively can make this rodeo one of the finest events ever. We'll also have several past rodeo competitors share their experience and expertise.

### ***Beginning The Journey On The Road To Success***

*Instructor: Ryan Mihalak, MMUA*

Lineworkers diligently prepare for the risks they take daily when working around energized equipment. But all that preparation is useless if you don't make it to the jobsite safely. MMUA's Ryan Mihalak, a former Commercial Vehicle Inspector for the MN State Patrol, will do a refresher session on load securement, CMV regulations and CDL regulations.

### ***Arc Flash— A Conversation With Russell Good***

This is a unique opportunity to listen to and learn from one of our own—Russell Good. Russell experienced an electrical contact that dramatically affected his life. He feels deeply about sharing his story so that others can learn from it. There will be additional discussion about accidents that have occurred in Minnesota.

## **HANDS-ON TRAINING SESSIONS**

Students will take one of the following course options. Please indicate first and second choices on the Registration Form. We strive to fulfill the first choice, but there are times when a class fills and we must assign the second choice.

### **Class 1: Capacitor Bank Installation and Maintenance**

*Instructors: Chuck Floeter and Steve Fiek, Rochester Public Utilities*

Placing power factor correction and passive harmonic filtering equipment on an electrical system needs to be properly designed and maintained. This class will cover:

- What is a capacitor
- Why do we need them
- Installation of fixed and switched capacitor banks
- Proper testing on capacitor banks
- Proper fusing on capacitor banks
- The dangers associated with capacitor banks
- Safety precautions to be taken when working around capacitors

## **HANDS-ON TRAINING SESSIONS** (continued)

### **Class 2: Trouble Call Best Practices & Restoration**

*Instructors: Trent Hawkinson, Brainerd Public Utilities; Scott Thoreson, Elk River Municipal Utilities*

This class is designed for both apprentice and journeyman lineworkers. Troubleshooting is an essential aspect of the lineworker's duties. To become effective and confident with the troubleshooting experience one needs time in the field working on different scenarios to gain the knowledge to identify the critical factors that lead to a safer and quicker trouble call restoration.

With this class lineworkers will experience hands-on trouble call restoration simulations related to wind storms, blue sky events and that ever so common "mystery" outage. Crews will be dispatched to trouble calls within the MMUA Training Center field and will be challenged to diagnose and fix outages. During the trouble call restoration MMUA instructors will influence student restoration activities with essential best practices, safety and experiential tidbits gained first-hand from years of tracking down trouble calls and outages.

### **Class 3: Overhead Maintenance**

*Instructors: Roger Moltzan, Detroit Lakes Public Utility; Russ Nelson, Austin Utilities; Jeff Becthold, MRES; and John Egan, Sauk Centre Public Utilities*

This class is designed for apprentices and first step journeyman lineworker. Participants will practice lineworker safety procedures, testing, proper cover up and grounding. The focus will be on performing safe work practices and methods.

The task training will include:

- Cutout change outs
- Replacing wood arms
- Lightning arrestor replacement
- Completing underground risers
- Repairing damaged overhead conductors
- Additional tasks if time permits

# 2015 Overhead School – Overview of Classes

## **HANDS-ON TRAINING SESSIONS** (continued)

### **Class 4: Digger Derrick Qualification— Phase One and Phase Two**

*Instructor: Al Czczok, MMUA*

This class was created by MMUA to keep employees who operate or work around digger derrick/boom trucks current with the new OSHA crane standards.

This class will cover Phase One and Phase Two of the Digger Derrick Qualification program.

Note: Participants will need to complete Phase Three at another time using your utility's/company's digger derrick.

Covered topics include:

- Knowing and understanding the APPA safety manual hand and verbal signals
- Written & practical performance based testing with hand and verbal signals
- Digger Derrick setup and operation principles
- Rigging principles
- Load control—weight, center of gravity
- Lifting hardware application
- Use and inspection of chain, wire and synthetic slings



## **ADVANCED LINEWORKER CLASS**

### **Class 5: Becoming the Effective Crew Leader System Maintenance and Best Practices**

*Instructor: Bob Rumbaugh, American Municipal Power, Inc.*

Becoming an effective crew leader is of the utmost importance to the success of any electric utility and line crew. Leading a line crew can be a daunting task, but with the appropriate tools and training, a crew leader can be very effective and earn the respect needed to cultivate and motivate a productive and safe line crew. This advanced leadership class will focus on system maintenance and repairs best practices used by some of the finest leaders in the electric utility business.

This session will cover:

- Record keeping safety rules and meetings
- Building a good work and safety culture
- Leadership skills
- Effective job briefings
- Time management
- Preventive and reactive maintenance
- Yearly inspections
- Equipment testing
- Flame Resistant clothing

# 2015 Overhead School – At-A-Glance

## **LINEWORKER RODEO: Obstacle Course**

This event is open to all classes of lineworker from the first-year apprentice to the advanced lineworker. The obstacle course will consist of climbing up through and over crossarms, transitioning to a new position at a different level. At each level there will be another task to perform before proceeding on to the next.

This is a fun event which demonstrates good climbing skill and safe working practices. A trophy plaque will be awarded to the person with the best time and the fewest infractions.

A sign-up sheet will be available at registration on-site.

## **EVENING ACTIVITIES**

*Included in registration:* Tuesday evening Pizza Reception. The reception offers participants the opportunity to network and meet/reconnect with other students.

*Optional activities at participant's expense:* Wednesday evening Sporting Clays or Golf. Sign up form available on-site.

## **WHAT TO BRING**

### ***Hands-On Training Class:***

- Hard Hat
- Safety Glasses
- Work Gloves
- Work Boots (*no tennis shoes allowed*)
- High Visibility Clothing—appropriate for the weather
- Rain Gear (*just in case*)
- Fall Restraint (*if you plan to climb*). Required regardless of experience. MMUA has a limited number of fall restraint devices available for the student to use.

### ***Advanced Training Class:***

- Note Pad and Pen/Pencil
- Calculator
- Hard Hat
- High Visibility Clothing—appropriate for the weather

## **CERTIFICATE OF ACHIEVEMENT**

Participants earn hours for attendance and a certificate of achievement will be available online. Watch for an email notification from MMUA.

## **Schedule**

### **Tuesday, September 15**

- 12:00-1:00 Registration  
1:00-1:45 General Session: 2016 APPA Rodeo  
2:00-4:00 General Session: Beginning The Journey On The Road To Success  
5:00-7:00 Pizza Reception

### **Wednesday, September 16**

- 8:30-12:00 Hands-On Training Sessions & Advanced Lineworker Session  
12:00-1:00 Lunch served at Training Center  
1:00-4:00 Hands-On Training Sessions & Advanced Lineworker Session  
5:00 Golf or Sporting Clay Shoot  
(at participant's expense)

### **Thursday, September 17**

- 8:30-12:00 Hands-On Training Sessions & Advanced Lineworker Session  
12:00-1:00 Lunch served at Training Center  
1:00-3:00 Hands-On Training Sessions & Advanced Lineworker Session  
3:00 Lineworker Rodeo

### **Friday, September 18**

- 8:30-10:00 General Session: Arc Flash  
10:00-11:00 Brunch served at Training Center  
11:00-12:00 General Session continued  
12:00 Closing Comments & Wrap Up

## **QUESTIONS?**

If you have questions regarding the program and its content, please contact Pete Wyffels at MMUA by email [pwylfells@mmua.org](mailto:pwylfells@mmua.org) or telephone 507-380-9578.

If you have questions or problems with registration or reservations, please contact Theresa Neddermeyer at MMUA by email [tneddermeyer@mmua.org](mailto:tneddermeyer@mmua.org) or telephone 763-551-1230.

# 2015 Overhead School – Registration & Hotel Info

## MMUA Registration Information

### Registration Fees

#### Members

\$440 per student on or before September 1, 2015

#### Non-Members

\$690 per student on or before September 1, 2015

NOTE: All registration fees increase \$50 on September 2, 2015

Registration fee includes workshop tuition, materials, Tuesday evening pizza, Wednesday and Thursday lunch, Friday brunch, refreshment breaks, and a certificate of attendance.

### Cancellations/Refunds

MMUA charges a \$25 processing fee/person for registrations cancelled on/by September 1, 2015. MMUA must be notified by 4:30 pm on September 1, 2015 to qualify. Sorry, no refunds issued for cancellations after September 1.

## Hotel / Motel Information - Marshall, MN

AmericInn and Ramada offer special pricing for participants. Just ask for MMUA's reduced rate when making your reservation. (Note: Yellow arrow indicates location of MMUA Training Center.)

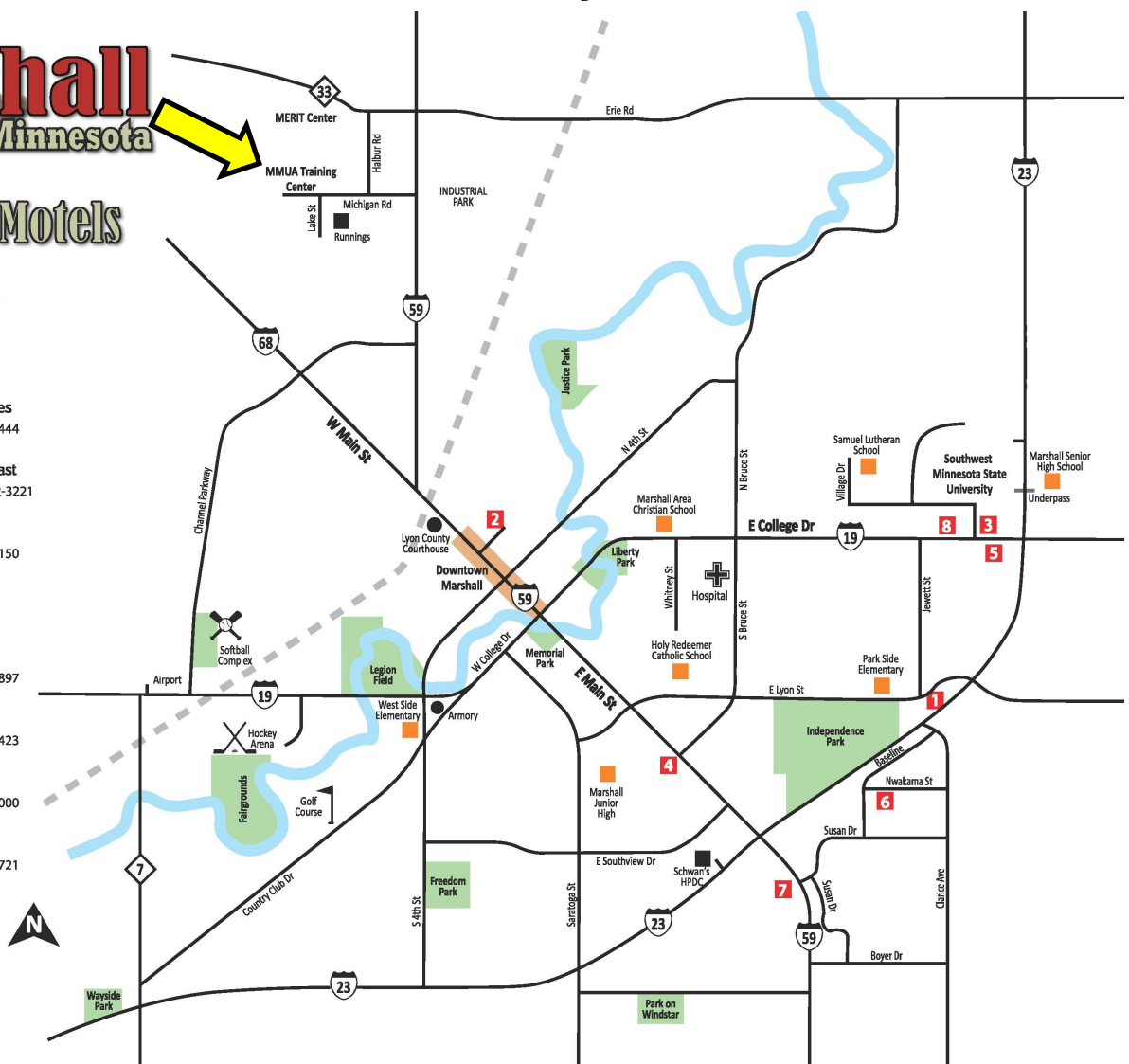
# Marshall

Southwest Minnesota

## Motels

### Hotels

1. AmericInn Motel & Suites  
507-537-9424 or 800-634-3444
2. Arbor Inn Bed & Breakfast  
1500 E. College Dr., 507-532-3221
3. Comfort Inn  
507-532-3070 or 800-228-5150
4. Delux Motel  
507-532-4441
5. Ramada Marshall  
507-532-3221 or 800-422-0897
6. Sleep Inn  
507-337-0103 or 877-424-6423
7. Super 8 Motel  
507-537-1461 or 800-800-8000
8. Traveler's Lodge  
507-532-5721 or 800-532-5721



# 2015 Overhead School Registration Form

4423

**Dates: September 15-18, 2015**

**Location: MMUA Training Center  
1004 Michigan Road  
Marshall, MN 56258**



Minnesota Municipal Utilities Association  
3025 Harbor Ln N #400, Plymouth, MN 55447  
Phone 763-551-1230 / Fax 763-551-0459  
[www.mmua.org](http://www.mmua.org)

## Attendee Information (please use one form per person)

Name \_\_\_\_\_

Email \_\_\_\_\_

**Class Selection** (Please indicate 1st and 2nd choice using "1" and "2"; see note below for additional information.)

### Hands-On Training Classes

- \_\_\_\_ 1) Capacitor Bank Installation & Maintenance
- \_\_\_\_ 2) Trouble Call Best Practices & Restoration
- \_\_\_\_ 3) Overhead Maintenance
- \_\_\_\_ 4) Digger Derrick Qualification (Phase One and Two)

### Advanced Training Class

- \_\_\_\_ 5) Becoming the Effective Crew Leader; System Maintenance and Best Practices

Please note: We will make every effort to accommodate the first choice selection, however if the number of registrations for a particular class exceeds our maximum limit we may need to assign the second choice.

Utility \_\_\_\_\_

Address \_\_\_\_\_

Primary Contact \_\_\_\_\_

Email \_\_\_\_\_

## Registration Fees

### On/before September 1, 2015:

- Member Rate - \$440 per person
- Non-Member Rate - \$690 per person

**Note: On September 2, registration fees increase \$50/person.**

Total Due \$ \_\_\_\_\_

## Payment

- Check Payable to MMUA
- Bill Utility/Company
  - Purchase order \_\_\_\_\_
- Credit Card
  - Visa    MasterCard    Discover

\_\_\_\_\_  
Name as it Appears on Card

\_\_\_\_\_  
Cardholder's Signature

\_\_\_\_\_  
Credit Card Number

\_\_\_\_\_  
Expiration Date      \_\_\_\_\_  
Card Code on Back

**REFUNDS:** MMUA will issue a refund (less \$25 processing fee per person) provided MMUA is notified of the cancellation by 4:30 pm on *September 1, 2015*. *Sorry, no refunds after September 1.*

**PHOTOGRAPHS:** By registering for this conference, I, the attendee named above, authorize Minnesota Municipal Utilities Association (MMUA) to photograph me at this event and use such photographs in MMUA marketing materials (both electronic and print). I understand that I will not be paid for giving this consent.

**QUESTIONS:** Please contact Theresa Neddermeyer by email [tneddermeyer@mmua.org](mailto:tneddermeyer@mmua.org) or phone 763-551-1230.

**Registering  
Is Easy!**

- Register online:** <http://www.mmua.org/event/2015-overhead-school>
- Register by mail:** Minnesota Municipal Utilities Association  
3025 Harbor Lane North, Suite 400  
Plymouth, MN 55447-5142
- Register by email:** [tneddermeyer@mmua.org](mailto:tneddermeyer@mmua.org)
- Register by phone:** 763-551-1230
- Register by fax:** 763-551-0459

