



Minnesota Municipal Utilities Association

Overhead Lineworker School

September 13-16, 2016

MMUA Training Center, Marshall



Minnesota Municipal Utilities Association and our partners, Minnesota Rural Electric Association and American Public Power Association, are pleased to announce the 2016 Overhead Lineworker School.

The class lineup offers something for all levels of lineworker. Read through the information carefully and make your selection according to your interests and level of expertise.

Class, Registration and Lodging Information

General Session Topics

Sept. 13

Cyber Security

Presenter: Robb Stiffler, FRSecure LLC

The power grid is a complex, interconnected network of generation, transmission, distribution, control and communication technologies, which are susceptible to damage by natural events, like severe weather. Yet there may be an even more ominous threat—“cyber” attacks. Learn more about this very real threat, what the industry is doing and how you can help prevent disruption of your utility’s service with common-sense practices. Operational security is everyone’s responsibility.

Sept. 16

The Buried Truth Uncovered—Video and Discussion

This video describes the experiences of Eric Giguere who, at the age of 27, was buried alive while working in 6’ deep trench. Eric’s co-workers were forced to make very difficult, split-second decisions in order to save his life. The accident changed everything for Eric, including his relationships with co-workers and family. This moving story is a first-hand reminder of the importance of having an attitude of safety – in everything we do. Discussion/review of lessons learned following video.

Hands-On Training Classes

Registrants will be asked to select top choices

Class 1: Trouble Shooting & Pole Replacement

Instructors: Todd Keach, Rochester Public Utilities

This class will challenge the apprentice and first step journeyman lineworker. Students will trouble shoot a damaged 3-phase pole, which has an underground riser (primary) attached. The class will also be responsible for replacing the damaged pole by setting a new pole in the same hole—all while the overhead line is energized. Please bring your approved climbing gear/fall protection.

This class is entirely hands-on training and will cover:

- Strategy development for rubber gloving work



Schedule

Tuesday, September 13

- 12:00-1:00 Registration
- 1:00-4:00 General Session: Cyber Security
- 5:00-7:00 Pizza Reception

Wednesday, September 14

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

Thursday, September 15

- 8:30-12:00 Hands-On Training & Advanced Lineworker Classes
- 12:00-1:00 Lunch served at Training Center
- 1:00-3:00 Hands-On Training & Advanced Lineworker Classes
- 3:00 Obstacle Course Challenge

Friday, September 16

- 8:30-Noon General Session: The Buried Truth Uncovered—Video and Discussion

- Using tailgate forms to identify hazards
- Setting up a safe work zone
- Proper use of Personal Protective Equipment (PPE)
- Demonstration of proper tools and proper use
- How to place a bucket for optimal use
- How to work efficiently from belt and hooks
- Proper cover-up procedure
- Proper de-energizing and grounding procedures
- Safe energized gloving procedures from an aerial device
- Review of applicable safety rules

Class goals include:

- Properly secure damaged pole
- Safely remove underground primary riser and install on new pole
- Proper methods working with Hot Arms
- Safely remove damaged pole
- Safely install new pole

Class 2: Overhead Maintenance

Instructors: Roger Moltzan, Detroit Lakes Public Utility; Darren Weber, Elk River Municipal Utilities

Overhead system maintenance is of the utmost importance when it comes to preventing that major outage. This class will challenge the apprentice lineworker up to first step journeyman. Participants will have the opportunity to practice several different trouble shooting techniques including testing, grounding and proper rub-



ber cover up. A primary goal will be to focus on becoming proficient at system maintenance while adhering to all safe work practices and methods. Please bring your approved climbing gear/fall protection.

This class is entirely hands-on training and will cover:

- Strategy to system maintenance
- Review of applicable safety rules
- Using tailgate forms to identify hazards associated with the job
- Setting up a safe work zone
- Proper use of Personal Protective Equipment (PPE)
- Demonstration of proper tools and proper use
- Proper bucket truck placement for optimal use
- How to work efficiently from belt and hooks
- Proper cover-up procedure
- Proper de-energizing and grounding procedures
- Safe energized gloving procedures from an aerial device

Class goals include:

- Cutout change outs
- Replacing damaged cross-arms and equipment
- Lightning arrestor replacement
- Completing underground risers
- Repairing damaged overhead conductors
- Additional tasks if time permit



WHAT TO BRING

Hands-On Training Classes:

- 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. Classes generally involve climbing—required regardless of experience.

Advanced Training Class:

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

OPTIONAL OBSTACLE COURSE CHALLENGE

This Thursday event is open to all classes of line-workers. 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.

OPTIONAL EVENING ACTIVITIES (Wednesday)

(These activities at participant's expense)

- Golf
- Sporting Clay Shoot

CERTIFICATE OF ACHIEVEMENT

Participants earn 18 hours for attendance and a certificate of achievement will be available online. Watch for an email notification from MMUA.

Please note: We must have your email address on file, in order to send the certificate.

QUESTIONS?

If you have any questions on the program and its content, please contact MMUA's Cody Raveling by email at craveling@mmua.org or phone 507-380-9578.

If you have questions in regards to registration or reservations, please contact MMUA's Theresa Neddermeyer by email at tneddermeyer@mmua.org or phone 763-551-1230.

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.

Class 3: Advanced Rubber Gloving

Instructors: Russ Nelson, Austin Utilities; Miles Heide and Wade Williams, Fairmont Public Utilities

This class is designed to challenge the 3rd, 4th year apprentice including journeyman lineworkers looking to improve or enhance rubber gloving skills. This advanced class will focus its efforts on “Working it Hot.” Class participants will be asked to develop a safe strategy to approach the task of installing a new pole within an energized three phase line. This hands-on class includes digger derrick operations and related safety procedures and equipment.

Class goals include:

- Developing a safe strategy for “Working it Hot”
- Preparation for rubber glove work
- Specific rubber gloving hazards
- Understanding Minimum Approach Distance (MAD)
- Using tailgate forms to identify hazards associated with the job
- Setting up a safe work zone
- Demonstration of proper tools and proper use
- Blocking automatic reclosing (Hot Tags)
- Truck operation and setup
- Install new pole in energized three phase pole-line

Class 4: Rigging For Lineworkers – How to Safely Lift Equipment Using Ropes, Knots, Splices, Blocks and Slings

Instructor: Al Czczok, MMUA

This class is designed to challenge all levels of lineworkers. The class will start with the basics and work into the more complicated and technical knots and rigging useful for today’s lineworker. Participants in this course



will tie and rig using the appropriate knots, hitches, and rigging to accomplish many different tasks over the 2 days of this session. Participants in this class will need climbing gear; please bring your own.

Class is entirely hands-on training and will focus on lineworker rigging work methods and safe work procedures.

Class goals include:

- General safety and work practices related to rigging and knots
- Rigging principles
- Safety factors
- Understanding friction
- Mechanical advantage
- Knots, bends and hitches
- Lifting and lowering
- Working load limits
- Load control

ADVANCED CLASS

Class 5: Moving Up The Leadership Ladder – Smoothing Out The (Often) Awkward Transition

Instructors: Steve Johnson, Electric Operations Manager, Marshall Utilities; Joyce Hottinger, Assistant Human Resources Director, League of Minnesota Cities; Mike Willets, Director of Training and Safety, MMUA

Developing and promoting leaders from within the crew is often desirable with public power and can be very effective, yet the new leadership role can be somewhat overwhelming and awkward for the workers during the transition.

For the transitioning leader, adjusting to and learning the new role—how to manage friendship, asking the right (and avoiding the wrong) questions during an interview, maintaining records, fostering a healthy and safe work environment, while working to accomplish all of the duties—can be a tricky road to navigate.

The course will be taught by multiple instructors, cov-

ering a variety of themes: leadership, developing and maintaining a positive safety culture, legal responsibilities and time management to name a few.

This Advanced Class will primarily be classroom training and will cover:

- Understanding the changing dynamics of being a friend and leading a coworker
- Leadership and human resource skills
- Building a good work and safety culture
- Accident investigation
- Record keeping, safety rules and meetings
- Effective job briefings
- Preventive and reactive maintenance
- Yearly inspections
- Equipment testing
- Rules and regulations

This class is intended for the emerging new leader: The lineman with advanced responsibilities, journeyman lineman, crew leaders, foreman or others in the field seeking leadership training.

2016 Overhead School - Registration and Hotel Information

MMUA Registration Information

Registration Fees

Members

\$440 per student on or before August 24, 2016

Non-Members

\$690 per student on or before August 24, 2016

NOTE: All registration fees increase \$50 on August 25, 2016

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

Cancellations/Refunds

MMUA charges a \$25 processing fee/person for registrations cancelled on/by August 31, 2016. MMUA must be notified by 4:30 pm on August 31, 2016 to qualify.

No registrations after August 31

Sorry, no refunds issued for cancellations after August 31.

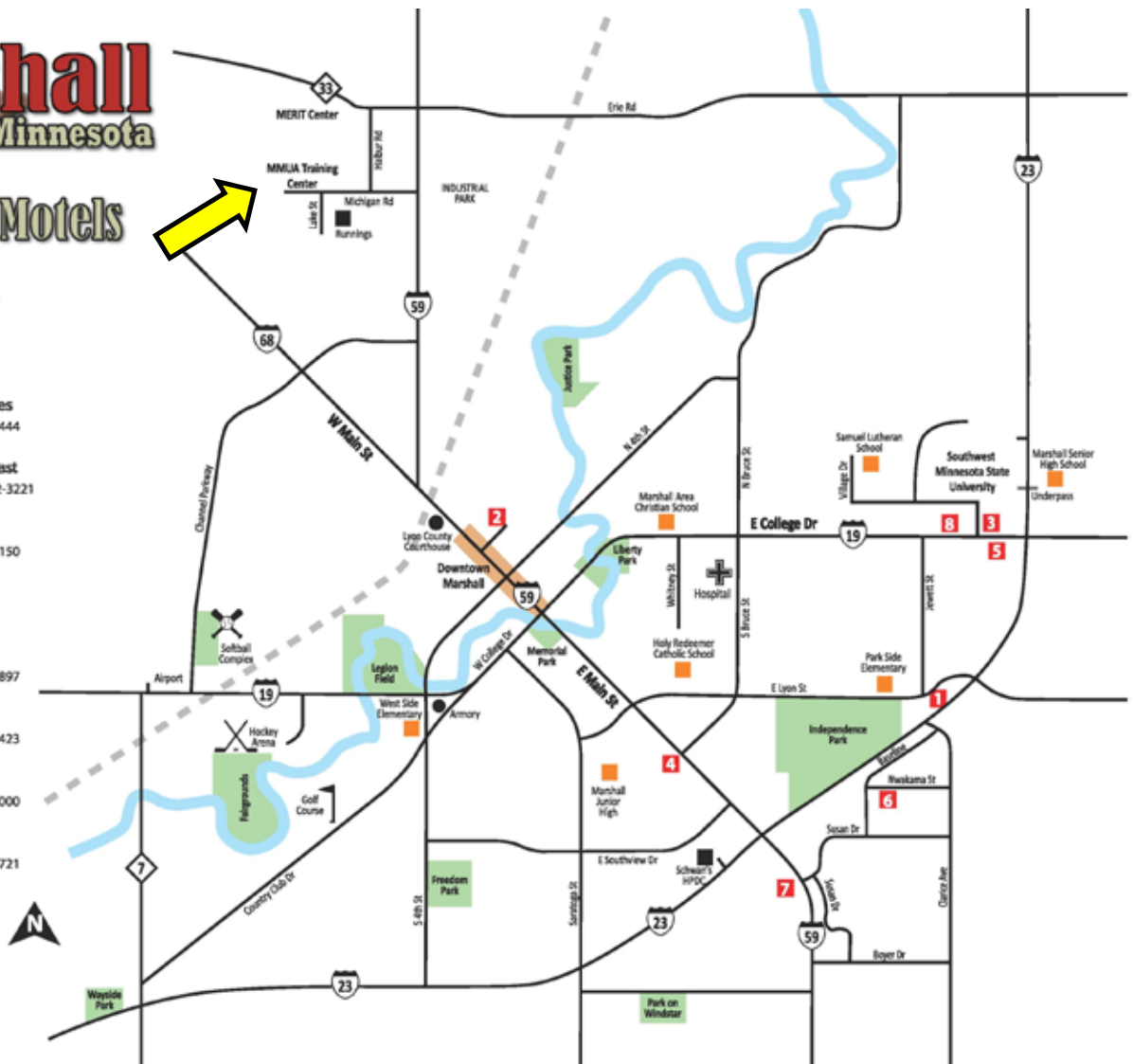
Hotel / Motel Information - Marshall, MN

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.)



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



2016 Overhead School Registration Form

4423

September 13-16, 2016

MMUA Training Center, 1004 Michigan Road, Marshall, MN 56258

Attendee Information (please use one form per person)

Name _____

Email _____

Class Selection Please indicate 1st and 2nd choice with "1" and "2."

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.

Hands-On Training Classes

_____ 1) Trouble Shooting & Pole Replacement

_____ 2) Overhead Maintenance

_____ 3) Advanced Rubber Gloving

_____ 4) Rigging for Lineworkers

Advanced Training Class

_____ 5) Moving Up the Leadership Ladder

Utility _____

Address _____

Primary Contact _____

Email _____

Phone _____

Registration Fees

On/before August 24, 2016:

Member Rate - \$440 per person

Non-Member Rate - \$690 per person

Note: On August 25, registration fees increase \$50/person.

Total Due \$ _____

Registration deadline August 31.

No registrations after August 31.

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 August 31, 2016.

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 at 763-551-1230 or email tneddermeyer@mmua.org

**Registering
Is Easy!**

Register online: Go to the 'Events' and 'Calendar' page at www.mmua.org.

Register by mail: Minnesota Municipal Utilities Association
3025 Harbor Lane North, Suite 400
Plymouth, MN 55447-5142

Register by email: tneddermeyer@mmua.org

Register by phone: 763-551-1230

Register by fax: 763-551-0459

**Fees
increase
\$50 on
August 25**