



Technical & Operations Conference

December 15 - 17, 2015
Holiday Inn & Suites, St. Cloud, Minnesota



This conference is designed to offer useful information to superintendents, managers, supervisors and crew leaders about the upcoming challenges utilities are going to face with the economy, employee retention, and preserving the craft of the electrical industry. It is also designed to create great leaders within the municipal utility industry.

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.*

Minnesota Municipal Utilities Association

3025 Harbor Lane North, Suite 400
Plymouth, MN 55447

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www.mmua.org

15th Annual Technical & Operations Conference

GENERAL SESSIONS

Building & Leading Successful Teams

Kit Welchlin, Welchlin Communication Strategies

Having to work with others is a fact of life. Working well together is a necessity. Working together can be a challenging and complicated task. Most people are unaware that how they communicate can affect the dynamics of the team and the team's effort. Learn how as a new team member to build supportive teams. Learn tools for individually preparing for successful team meetings and the functional roles to play. Learn how to participate effectively on a team and build cohesiveness. Learn the phases of team development and understand the positive role of conflict.

Error Management; What Safety Leaders KNOW – What High-Performing Employees DO!

Lisa Haen, Safety Leader Consulting, LLC

Error management is an essential element in creating a safe workplace. Focused on how leadership principles and organizational core values contribute to desired outcomes, Lisa Haen provides insight to error management from a human performance perspective. Join us as we take a close look at what effective safety leaders know and what high-performing employees do to prevent incidents in the workplace.

Safety Lessons from the North Pole

John Huston, Polar Explorer

Drawing on stories from his unsupported expedition to the North Pole, John discusses methods that you can use to create a culture of safety within your team. He describes how he manages life-threatening situations on the ice and how he constructs safety routines to handle extreme and unpredictable environments. John also describes his expedition mentality, an absolute commitment to safety and work quality, which he and his teams bring to big challenges. This presentation includes stunning imagery and emotional accounts of safety successes, mishaps, and near misses.

MANAGER TRACK

Developing & Maintaining Your Rate Structure

Dave Berg, Dave Berg Consulting

Dave Berg will address why it is important to have an electric rate structure that reflects the cost basis and policy goals of the utility. The utility service landscape is changing due to new technologies and customer preferences. He will talk about rate structure related issues such as 1) why cost of service matters; 2) different structures and their applications; 3) how rates impact distributed generation; 4) policy issues impacting rate design and other pertinent items.

APPA Mutual Aid Plan Framework—Update

Mike Willetts, MMUA

Mike will explain in detail how the Minnesota public power utilities fit within APPA's National Mutual Aid Program. Utilities' commitment to helping each other on a national level was most evident in 2012 when Superstorm Sandy caused widespread damage to the Northeast and Mid-Atlantic states.

The American Public Power Association (APPA) works with its utility, state association, and joint action agency members, as

MANAGER TRACK (continued)

Mutual Aid (continued)

well as other industry associations and federal agencies to enhance communication during preparation for and recovery from disasters. APPA formed the Mutual Aid Working Group (MAWG) to establish a mutual aid network. MAWG developed the *Public Power Mutual Aid Playbook* to outline the step-by-step plan to refer to before and during a disaster.

A Collaborative Approach to Emergency Preparedness

Graham Nelson, Veracity Asset Management Group

With aging infrastructure, physical vandalism, and extreme weather events, utilities just be prepared for emergencies and critical equipment failure. Industry collaboration and enhanced mutual aid programs are necessary to promote local, regional and national readiness. Veracity Asset Management Group will provide a presentation on how MMUA members can work collaboratively to plan for, prepare for and improve the response to both localized and widespread outages, by adopting a Collaborative Approach to Mutual Aid and Critical Spares Management.

MPCA Clean Power Plan—Update

Bob Jagusch, MMUA

The final Carbon Pollution Emission Guidelines for Existing Stationary Sources, Greenhouse Gas Emissions Standards from New, Modified, and Reconstructed Stationary Sources, and the Proposed Federal Plan and Model Trading Rules have been released by the EPA. What does it all mean for Minnesota's utilities and customers? We will discuss the changes from the proposed rule and look at several scenarios that could play out as the Minnesota Pollution Control Agency develops the state plan.

CREW LEADER/FOREMAN TRACK

Using Energy Storage to Improve Reliability and the Effectiveness of Photo-Voltaic

Troy Miller, S&C Electric

In this presentation, S&C Electric will cover a number of case studies drawn from their more than 10 years' experience in energy storage. The case studies will focus on using storage to improve reliability and increase the effectiveness of PV by both shifting and smoothing the PV output. S&C Electric installed the first grid scale energy storage installation in the state of Minnesota—a 1MW, 6MWH Sodium Sulfur battery in Luverne.

Transformer & Power Cable Specifications

Chad Rasmussen, DGR Engineers

Review of important considerations when developing specifications for distribution system transformers and power cable. The presentation will include discussion on life cycle costs, equipment sizing, and various product options.

AMI, Going Beyond the Readings

Kirk Peterson & Bob Meyer, HD Supply

So you've chosen an AMI system. Now what? We'll take an in-depth look at what a two-way AMI system can offer to a utility beyond just getting meter readings.

(continued on next page)

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PCB Spills & Containment

Joe Steffel, Buffalo Municipal Utilities

It's your responsibility to know. Now is a good time to audit your organization's PCB management program including your compliance with state and federal guidelines before receiving the notice of an audit. This brief overview will assist in the development of an effective approach to identifying, using, and managing PCBs.

New Product Showcase

This session will give you a rapid-fire look at the latest in goods and services for the utility industry. We give each participating vendor a few minutes; they give us their best shot.

Reception & Trade Show

Be sure to join us for our product show. There is always a lot of good information changing hands at the show. This is a great place to see what is new to the industry and also provides an opportunity to make new connections.

Registration

The cost to attend this conference is \$440 per person. The registration fee covers tuition, materials, refreshment breaks, admission to the reception and trade show on Tuesday and lunch on Wednesday.

Registration deadline is **December 1, 2015**. All fees will increase \$50 on or after December 2. Cancellations are subject to a \$25 charge per person if received by 4:30 pm on December 1. No refunds given after that date.

Hotel Information

MMUA's room block at Holiday Inn and Suites in St. Cloud, Minnesota has standard rooms at \$82.95 or suites for \$99.95+ tax, single/double occupancy. Call the hotel directly at 320-253-9000 for reservations or call 1-800-HOLIDAY toll free. Be sure to ask for the MMUA room block when you call. Hotel reservations must be made no later than **November 14, 2015**. The hotel will continue to accept reservations after the cut-off date on a space availability basis at prevailing rates.

Conference Program

Tuesday, December 15

noon - 1:00	Registration
1:00 - 1:15	Welcome & Opening Remarks
1:15 - 3:00	Building & Leading Successful Teams <i>Kit Welchlin, Welchlin Communication Strategies</i>
3:00 - 4:00	New Product Showcase
4:30 - 7:00	Trade Show & Reception

Wednesday, December 16

8:30 - 11:20	Error Management; What Safety Leaders KNOW – What High-Performing Employees DO! <i>Lisa Haen, Safety Leader Consulting, LLC</i>
11:30-noon	Apprentice Lineworker Recognitions <i>Mike Willetts, MMUA</i> <i>Don Harbuck, Northwest Lineman College</i>
noon - 1:00	Luncheon

The afternoon will offer a choice of two tracks.

Manager Track

1:00 - 1:45	Developing & Maintaining Your Rate Structure <i>Dave Berg, Dave Berg Consulting</i>
1:45 - 2:30	APPA Mutual Aid Plan Framework—Update <i>Mike Willetts, MMUA</i>

Manager Track (cont.)

3:00 - 3:45	A Collaborative Approach to Emergency Preparedness <i>Graham Nelson, Veracity Asset Management Group</i>
3:45 - 4:30	MPCA Clean Power Plan <i>Bob Jagusch, MMUA</i>

Crew Leader/Foreman Track

1:00 - 1:45	Using Energy Storage to Improve Reliability and the Effectiveness of Photo-Voltaic <i>Troy Miller, S&C Electric</i>
1:45 - 2:30	Transformer & Power Cable Specifications <i>Chad Rasmussen, DGR Engineering</i>
3:00 - 3:45	AMI, Going Beyond the Readings <i>Kirk Peterson & Bob Meyer, HD Supply</i>
3:45 - 4:30	PCB Spills & Containment <i>Joe Steffel, Buffalo Municipal Utilities</i>

Thursday, December 17

8:30 - 9:30	Safety Lessons from the North Pole <i>John Huston, Polar Explorer</i>
10:00 - 10:30	APPA Lineworker Rodeo “We Are Public Power” <i>Mike Willetts & Leadership Team</i>
10:30 - noon	MMUA Update <i>MMUA Staff</i>

Dates: December 15-17, 2015
Location: Holiday Inn & Suites
75 South 37th Avenue
St. Cloud, MN 56301
Phone: 320-253-9000



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Attendee Information

Name : _____
Title: _____
Email : _____

Name (2) : _____
Title (2): _____
Email (2) : _____

Name (3) : _____
Title (3): _____
Email (3): _____

Name (4) : _____
Title (4): _____
Email (4): _____

Utility/Co.: _____
Address: _____

Main Contact: _____
Email: _____
Phone: _____

Registration Fees

On/before December 1, 2015:

- Member Rate - \$440 per person

Note: On December 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

REFUND: MMUA will issue a refund (less \$25 processing fee per person) provided MMUA is notified of the cancellation by 4:30 pm on *December 1, 2015*. Sorry, no refunds after *December 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 pieces (both electronic and print). I understand that I will not be paid for giving this consent.

QUESTIONS: Please contact Rita Kelly by email rkelly@mmua.org or phone 763-746-0707.



- Register online:** www.mmua.org/event/2015-tandoconf
- Register by mail:** Minnesota Municipal Utilities Association
3025 Harbor Lane North, Suite 400
Plymouth, MN 55447
- Register by email:** rkelly@mmua.org
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