



Minnesota Educational Facility Management Professionals

The Messenger

SEPTEMBER 2012 NEWSLETTER

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"Riding the Waves Of Change & Challenge" MASMS 2012 Conference Theme

If you have not registered for the 2012 MASMS Conference yet, there still is time. Just contact the MASMS Office!

Conference Highlights

- 17 Educational Sessions on Thursday
- Wednesday Evening Ben the Chalk Guy
- Thursday's Keynote Speaker Ben the Chalk Guy will Inspire
- Visit with and learn from 160+ Vendors at the Trade Show
- Relax at Thursday Evening's President Reception
- Honor Your Peers on Thursday Evening at the MASMS Banquet
- Thursday Evening Enjoy the MASMS Family Feud!
- Select from 10 Round Table Discussions on Friday Morning
- Enjoy Enlightened Discussions at the Friday Morning Panel Discussion

*This is the only place you
will be able to network with
200+ of your peers,
exchanging ideas
and information!*

Educational Sessions

- Leadership & Staff Development
- Communication & Presentations for School Boards
- Playground Safety
- Outdoor Tracks and Tennis Courts
- Creating a Culture of Energy Efficiency
- Boiler Information
- Financing Capital Projects
- Health & Safety Basics
- Dos & Don'ts of Field Maintenance
- Master Planning
- The Green Floor
- Stormwater Management
- Indoor Air Quality
- Masonry Walls
- Enrollment Trends & Open Enrollment. Are your buildings an asset or a liability?
- Capital Planning
- Tree Health, Frequent Concerns & Practical Solutions

Round Table Discussions being held on Friday October 5th, 2012

- ▶ Welding, Potential Hazards
- ▶ Building Operator Certification Information
- ▶ MASMS Certification Information
- ▶ Health & Safety Funding
- ▶ Recycling
- ▶ Water Quality Management
- ▶ Communication with School Boards
- ▶ Grounds Issues
- ▶ Energy Efficiency

EDUCATION!

2012 Conference Keynote Speaker!
Thursday October 4th—8:00 AM
“Ben the Chalk Guy”

Ben Glenn is a speaker, author, comedian, and amazing **chalk** artist. Ben Glenn was diagnosed with Dyslexia and other Learning Disabilities while in grade school. As an adult he also learned that he has ADHD and suddenly everything about his life made perfect sense.

Ben's ADHD-adventure filled messages of inspiration and hope are both entertaining and educational.

Find membership and conference registration forms on the MASMS web site:
www.masms.org
or contact the MASMS office
at 1-888-429-3884 or
ruth@masms.org



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Learn more at CenterPointEnergy.com/MNeducation

Paul Albinson, Key Account Manager for CenterPoint Energy and John Gate's Shakopee Independent School District



Welcome New Members!

Educational Members

Doug Meyer, Butterfield-Oden Schools
Kurt Ketterl, Lake Audubon Schools
James Smith, Moorhead Schools
Tim Wychgram, Winona Area Schools

Dan Henry, Holdingford Schools
Barrett Sharp, Lake Audubon Schools
Patrick Kenneally, St. Paul Schools

Business Members


Michael Stewart, 3M Building & Commercial Services
Bruce Prevost, B & L Utility Maintenance LLC
Rod Bloom, Brin Northwestern Glass Company
Nicolette Grieco, CBC America
Mike Piper, General Energy Brokerage & Consulting Inc.
Andy Morcomb, Jaytech, Inc.
Jeff Martin, Johnson Controls
Tom Sullivan, Master Electric
Jon Brad, NAC Mechanical Electrical Services
Christine Hanson, Recycle Technologies, Inc.
Vic Schultz, Safety Enterprises
Deb Bounds, Servpro of Bemidji, Grand Rapids & Hibbing
Nate Voye, Summit Fire Protection/Mechanical of MN
Tony Coda, URETEK ICR Northern US
Jeff Halabert, VTI Security

Rick Benson, American Time & Signal
Terri Kayoum, Belfor
Melody Kruckenberg, Budget Blinds of Detroit Lakes
Brent Kohler, Cole Papers
Allen Grazzini, Grazzini Brothers & Company
Michelle Hauptert, Jaytech, Inc.
Amy Anderson, Kimberly Clark
Randy Dykhoff, Minnesota Elevator, Inc.
Kim Karnitz, Procter & Gamble Professional
Andrew Deitschel, Safe Schools
Wade Wiken, Seminole Energy Services
William DeSchepper, St. Cloud Overhead Door Company
Jay Kessler, Summit Fire Protection/Mechanical of MN
Jean Stammeyer, US Energy Services

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2012 MASMS CONFERENCE SCHEDULE

Wednesday— October 3, 2012

Dollars for Scholars Golf Tournament Supporting the MASMS Scholarship Program

8:00 & 9:00am Courtesy Bus to Wapicada Golf Course
 8:30-9:30am Golf Registration at Wapicada
 10:00am Shotgun Start
 4:30pm Dinner, Wapicada Golf Course
 5:30 & 6:30pm Return bus starts from Wapicada

Thursday —October 4th, 2012

7-9:00am Conference Registration
 7:00am Continental Breakfast
 7:00am Program for 1st Time Attendees

Educational Sessions

8:00am Keynote Speaker
 8:50am MASMS Certification Roll Out
 9:10am Educational Sessions
 10:20am Educational Sessions
 11:20am Educational Sessions

MASMS Luncheons

11:30am Vendor Lunch
 12:20pm Member Lunch
 12:40pm Vendor Business Meeting

MASMS Trade Show

1:00pm—4:30pm MASMS Trade Show

Reception & Banquet

5:45pm President's Reception
 6:30pm MASMS Banquet
 7:15pm Awards & Scholarships
 8:00pm Dessert & Entertainment
 9:00pm Grand Prize Drawings

Friday —October 5, 2012

7:00am Breakfast Buffet
 8:00am Small Group Discussions
 10:00am Panel Discussions
 11:00am State Updates
 12:00pm Lunch & Grand Prize Drawing

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 materials to provide cost
 benefits and long-term
 solutions



Traction footwear: a means to ending slips and falls*Submitted by: SFM-The Work Comp Experts*

"Custodian, Joe Smith, fell on ice while shoveling. He suffered a severe sprain to low back and deep contusion to right shoulder," the employer wrote on the First Report of Injury.

SFM's experience is that winter season slip-and-fall injuries are costly, often severe and occur at a higher rate of incidence than they should, given the effort a district can make to avoid them.

This accident would most likely not have happened if Mr. Smith had been wearing traction footwear while shoveling snow.

While you might not eliminate slips-and-falls all together, you can reduce the number of incidents and their severity by:

- Understanding how slip-and-fall accidents happen.

- Identifying problem areas.

- Increasing employee awareness of the hazards.

- Implementing specific prevention tactics like a traction footwear program.

What is traction footwear?

According to Joe Morin, SFM Loss Prevention Technical Leader, "Traction footwear are devices that are worn over your shoes or boots, or in place of your shoes or boots. They provide additional traction on ice and snow with small spikes or other friction points in the sole of the device."

Traction footwear is not new. However, through ongoing research and development, the devices are now more effective and efficient to use. Traction footwear is readily available. It's inexpensive. It's easy to put on and remove. And when properly used, traction footwear will virtually eliminate the risk of slipping and falling on ice.

"What amazes me is that all custodians are not required to wear these devices when shoveling snow or performing other outdoor tasks. In fact, Playground Paras, Bus Drivers, Crossing Monitors and others should also be wearing traction footwear when working outdoors during the winter months. The return on investment in terms of injury prevention is virtually guaranteed," said Morin.

Make traction footwear part of your prevention plan

- Determine which employees could benefit from traction footwear.
- Research for your best options. There are many styles to choose from.

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A NOTE ON ENERGY USE INTENSITY (EUI) TARGETING AND ENERGY MODELING

Submitted by: Trevor Gilbertson, P.E., LEED® AP, Hallberg Engineering, Inc.

Energy modeling (the use of software tools to simulate building energy performance over time) is an important component of the design/construction process for a new building project targeting high energy performance. Energy modeling can be used during design, construction, and post-construction in order to help predict building energy performance, make design decisions, and develop a baseline for comparing future building energy performance. Energy modeling can be used to predict energy performance over time, however, a means of quantifying the simulated performance is required in order to measure progress on the individual project level and society level.

In the construction industry “Energy Use Intensity” or “Energy Use Index” (also known as EUI) is a measurement of building energy performance. EUI is represented in units of energy consumed per unit building area per year (kbtu/sqft-yr). Organizations and government programs are in a continual process of developing EUI targets for different building types. Some programs and legislation, such as MN2030 and the Minnesota Sustainable Building Guidelines (MSBG), require that an EUI target is identified in the early design stages of a project and updated and pursued as the project runs through the entire design process.

An EUI target is important in today’s high-performance energy design and looks to play an even larger role in the future of building design and energy modeling. EUI targeting presents benefits and challenges to the construction industry:

The Benefits

New procedures and standards can be developed to help guide the construction industry to produce more energy efficient and sustainable buildings. Each member of the design team can have more vested interests in decisions made by other disciplines, promoting better design team coordination. Building owners will have an easy, quantifiable way to select and compare building energy performance.

The Challenges

EUI targets represent one point out of a range of possible results for a building on any given year. Communicating to building owners where EUI target sits on a range of possible EUI performances can help generate reasonable expectations for everyone.

EUI targets now present easier to quantify expectations for building performance and building owners will expect these results. Keeping the entire design team informed of the energy modeling process. A lack of understanding early in the project could result in unrealistic expectations later in the post-construction process.

Energy models predicting EUI are created using inputs which come from the owner, architect, equipment providers, weather, etc. Examples of these inputs include: building occupied hours, building temperature control set points, receptacle loads, equipment efficiencies, etc. If input data is incorrect in the model, then the predicted building EUI could be substantially different from actual EUI.

Energy model data that predicts occupant behavior (people, receptacle loads, room usage, etc.) can change. Occupant behavior is volatile and can have a significant impact on EUI.

The benefits of EUI targeting outweigh the efforts to address the challenges presented. The first step in addressing the challenges is keeping the design team and building owner involved in the EUI targeting process. Involvement by all parties can lead to an acceptable expectation from the building owner and design team.

Helpful References:

http://www.mn2030.umn.edu/benchmarks_nc.html

http://www.energystar.gov/ia/business/tools_resources/new_bldg_design/2003_CBECSPerformanceTargetsTable.pdf

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Proactive Action Plans Discourage Bed Bug Problems

Bed bugs are on the radar at many school districts. More than 1,000 people registered for US Environmental Protection Agency (EPA) Region 2's June webinar, "[Bed Bugs go to School](#)." The [presentation](#) covered basic facts about bed bugs and tips for keeping them from becoming a problem in schools.

Bed bugs remain a growing problem nationally. However, breeding populations of bed bugs have not been reported in schools. Rather, bed bugs are "introductions," arriving in staff and student belongings including clothing or book bags. Unless a school is a boarding facility, or also serves as a shelter where people are staying overnight, schools do not offer feeding opportunities at night which are critical for establishing bed bug infestations.

Long before a bed bug is found, school districts should create a policy and action plan for responding to a bed bug detection. All staff should be aware of their responsibilities in the event of a confirmed bed bug specimen. A policy and plan can help avoid confusion and overreaction when a bed bug is discovered.

There is no need to close the school or send any students home when a bed bug detection is confirmed. Instead, districts should have a comprehensive procedure in place, which includes:

Discretely remove the affected student from class so the school nurse can check the student's clothing and belongings.

Remember that bed bugs are very seldom found on the body.

The nurse or school principal should contact the student's parents or guardian to inform them of the situation.

The student should not be excluded from school activities.

Send [additional bed bug information](#) home with the child, including basic information about bed bugs and how they are controlled.

Schools should educate students, parents, faculty and staff about basic bed bug biology and habits and how to recognize all life stages of bed bugs. Let parents know the school has a bed bug action plan in place and send an [awareness flier](#) home to educate them on how to avoid sending bed bugs to school with their children.

Tried and true IPM approaches can discourage all pests, including bed bugs, cockroaches, rodents and ants from setting up shop:

Inspect rooms regularly. Tools of the IPM trade include a magnifying glass, strong LED flashlight, plastic zip-bags or clear tape for collecting specimens, a probe (like a cut credit card) and tools for removing outlet and light switch covers. Encourage staff to reduce clutter by at least half, focusing on anything that hasn't been used in the last two years.

Clean and vacuum regularly. For classrooms where bed bugs have been confirmed, vacuum up a small amount of talcum powder to discourage any bed bugs that are inside the vacuum from crawling back out.

Isolate all student belongings in clear plastic bags or bins, especially if there has been a bed bug detection in a particular classroom.

Reduce items brought back and forth from home to school. Identify items that can be left at school or at home until the end of the year.

pesticide treatments are not needed in typical school environments. A dryer can be used to heat belongings to the lethal temperature for bed bugs. For boarding schools, dormitories or other educational facilities where people sleep at night, a variety of heat treatments are very effective including hot boxes to treat infested furnishings, books, etc., whole-room hot air generators and application of steam to potential harborages. Avoid steam treatments to electrical outlets or fixtures.

Bed bug dogs can be effective tools, but can also be expensive and performance can be variable. Given schools are typically not harboring breeding populations of bed bugs, canine inspections have limited value. If used, children should not be in the school while the dog is working to reduce distractions for the dog team.


EPA has developed a collection of [additional information](#) on bed bug prevention and management, including tips on hiring pest management professionals, identifying and treating bed bug infestations, and common bed bug myths.



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MASMS UPCOMING EVENTS

October 3rd, 2012 MASMS Scholarship Golf Event, St. Cloud, MN
 October 4th —5th, 2012 MASMS Conference & Trade Show, St. Cloud, MN
 October 9th, 2012—MASMS Metro Chapter Meeting
 October 24th, 2012—MASMS Southern Chapter Meeting
 October 25th, 2012— MASMS Northern Chapter Meeting
 November 13th, 2012—MASMS Metro Chapter Meeting
 November 15th, 2012—MASMS Northern Chapter Meeting
 December 11th, 2012—MASMS Metro Chapter Meeting
 December 19th, 2012—MASMS Southern Chapter Meeting
 December 20th, 2012—MASMS Northern Chapter Meeting

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