



## The “Tool Box” for Educational Facility Management Professionals

### May 13th, 2014—MASMS State Meeting Two Great Educational Sessions

**#1 Options for Interior Security Systems.** Getting back security with too many keys in public hands, “panic buttons”, rekeying, fob uses and restricting access to sections of a school after hours.

**Presented by:** Jason McNutt, Allegion (formerly Ingersoll Rand Security Technologies)

**#2 The Safety Test: Creating Safe Learning Environments.** For learning to occur and flourish, a safe learning environment needs to exist for students and teachers. This educational session will share strategies to consider in creating a safe culture, deterring violence in existing buildings as well as design factors for new schools that won't break the bank or have your school being mistaken for a prison. Lessons learned from a past school shooting will also be shared. The presenter was leading the project team for the building addition to the Red Lake Schools just before the shooting occurred and had the unique opportunity to present findings across the country.

**Presented by:** Troy Miller, Education Market Leader, TSP Architects and Engineers

**Date:** Tuesday May 13, 2014

**Location:** The Crowne Room, 20500 South Diamond Lake Road, Rogers, MN 55374

**Schedule:**

8:30 AM	Coffee & Registration
9:00 - 10:15 AM	<u>Educational Session</u>
10:15 - 10:30 AM	Break & Networking
10:30 - 11:45 AM	<u>Educational Session</u>
11:45 AM - Noon	Networking & Business Meeting
Noon	Lunch

**On-line registration preferred:** Go to [www.masms.org](http://www.masms.org), and click on **Login**. Your user name is your first initial of your first name followed by your last name (example: jsmith), and your password is masms (unless you have changed it). Then click **Meeting**

**Registration**, select State Meeting, enter your information and press **Submit**.

### MASMS 2014 Custodial/Maintenance /Grounds Appreciation Day

You and your staff are invited to participate in the 2014 MASMS  
Custodial, Maintenance & Grounds Day

### Educational Sessions & Vendor Showcase

#### METRO CHAPTER

Oak-Land Junior High School, Lake Elmo, Minnesota  
Wednesday June 18, 2014 OR Thursday June 19, 2014

#### NORTHERN CHAPTER

Lincoln Elementary School, Hibbing, Minnesota  
Tuesday June 24, 2014

#### SOUTHERN CHAPTER

Mankato East High School, Mankato, Minnesota  
Thursday June 26, 2014

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#### INSIDE THIS ISSUE:

State Meeting	1
Custodial Days	1
Potholes	2
New Members	2
Capital Projects	3
Fire Marshall Divisions	4
Electrical Areas	5
School Pests	6
Memo Board	7



#### MASMS OFFICE

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Executive Administrator

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To register go to [www.masms.org](http://www.masms.org) to download the forms, or just contact the MASMS office at 320-685-4585 or [ruth@masms.org](mailto:ruth@masms.org). We look forward to seeing you and your staff at this event!

## WELCOME NEW MEMBERS

### Educational Members

Scott Zehnder, Intermediate Dist #917

Craig Most, New Prague Schools

### Business Members

Mark Prange, Bark L Consulting Engineers

Chris Knutson, Forbo Flooring

Christopher Bauer, BASF Construction Services

### Looking for information and answers from your fellow MASMS Members?

Just email the MASMS office with the question and it will be put out to Membership.

### Long Winter/Late Spring Results in More Potholes

*Submitted by Inspec*

The long winter and late spring of 2012/2013 was hard on many asphalt pavements in the northern part of the United States, and resulted in more potholes than usual.

Potholes are caused by excess moisture in the base aggregate and subsoils that freeze and thaw with each freeze/thaw cycle. When the temperatures are below freezing, the moisture turns to ice and expands which can push the asphalt pavement above it upward. When the temperatures are above freezing, the excess moisture tends to weaken the strength and support that the base aggregate and subsoils provide for the overlying asphalt pavement.

This movement and/or weakening of the asphalt pavement results in potholes when heavy vehicles travel over these weakened areas.



## New Company Name!

# Allegion

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## Net Present Value - Beyond Capital Projects

By: Ben Klawitter, Filtration Systems Inc.

When you sit down with an engineering company to discuss energy saving projects for your district there are a several metrics used to compare what will deliver the biggest bang for the buck. One of the more common metrics is Net Present Value - which quantifies the value of spending money on something. After the project is complete and the maintenance program starts the components used within the maintenance program usually do not undergo this same evaluation. So if you install a great new HVAC system, why not take this same evaluation of the components you use to maintain the equipment to *maximize the value of your investment*?

To illustrate how you can use these metrics in comparing higher quality components are actually worth the added expense here is an example of how you can use NPV for HVAC components. The example building just installed new HVAC systems and these systems will need 100 air filters per change with two changes per year. To set a baseline it will be assumed that the current filters cost \$4ea. and energy modeling determines the filter uses \$77.72 in energy per year to move air through the filters.

NPV Example Calculation: A more energy efficient filter that meets the MERV specification is proposed, but the cost is \$6 more each (\$1,200 in extra costs per year), but will only consume \$46.63 in energy per year using the energy modeling formula as the baseline. The discount rate used is 4.25% which is current prime rate plus 1%. Inputting these values into the NPV formula that extra investment of \$1,200 in better performing components has a Net Present Value of \$2,982.25 which is a *net gain* of \$1,782.25 more than double the increased expenditure.

In today's world of tighter and tighter budgets and a focus on lowering purchase prices on "component" or "commodity" items routinely used in maintenance programs they are often times hurting the District's capital budgets – further delaying the ability to implement other projects. Given the choice we all want to use the best products on the market because it makes our lives easier. Being able to show in multiple ways how your district will financially benefit can make it easier for you to get approval for better products.



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## State Fire Marshall Divisions School Inspection Regions

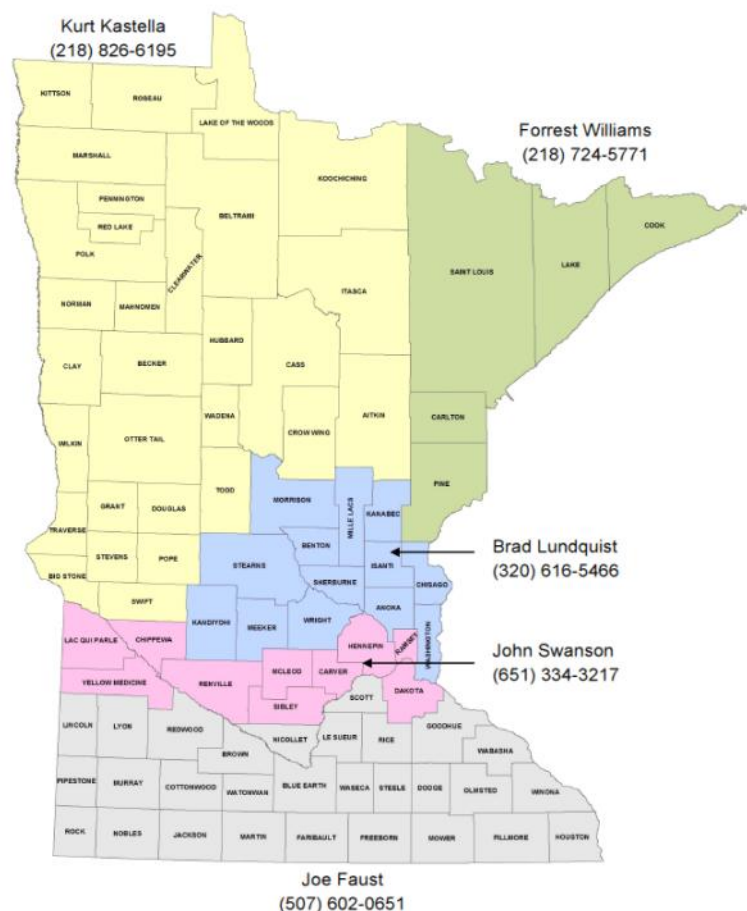
Forrest Williams, Supervisor—(218) 724-5771  
Randi Samuelson, Clerical Support—(651) 201-7212

The vacant school inspector position for the Northwest region, formerly held by Clint Halvorson (retired), has been filled.

The new Deputy State Fire Marshal School Inspector for the NW Region is Kurt Kastella. Kurt has been with the State Fire Marshal Division for the past 26 years as a Health Care Inspector, so we are very pleased that Kurt has accepted a position with the School Inspection Team.

Kurt's inspection territory includes the following counties: Kittson, Roseau, Lake of the Woods, Koochiching, Beltrami, Marshall, Polk, Pennington, Red Lake, Clearwater, Itasca, Cass, Hubbard, Mahanomen, Norman, Clay, Becker, Aitkin, Crow Wing, Wadena, Otter Tail, Wilkin, Traverse, Grant, Douglas, Todd, Pope, Steven, Big Stone and Swift.

Please feel free to contact Kurt with any questions.



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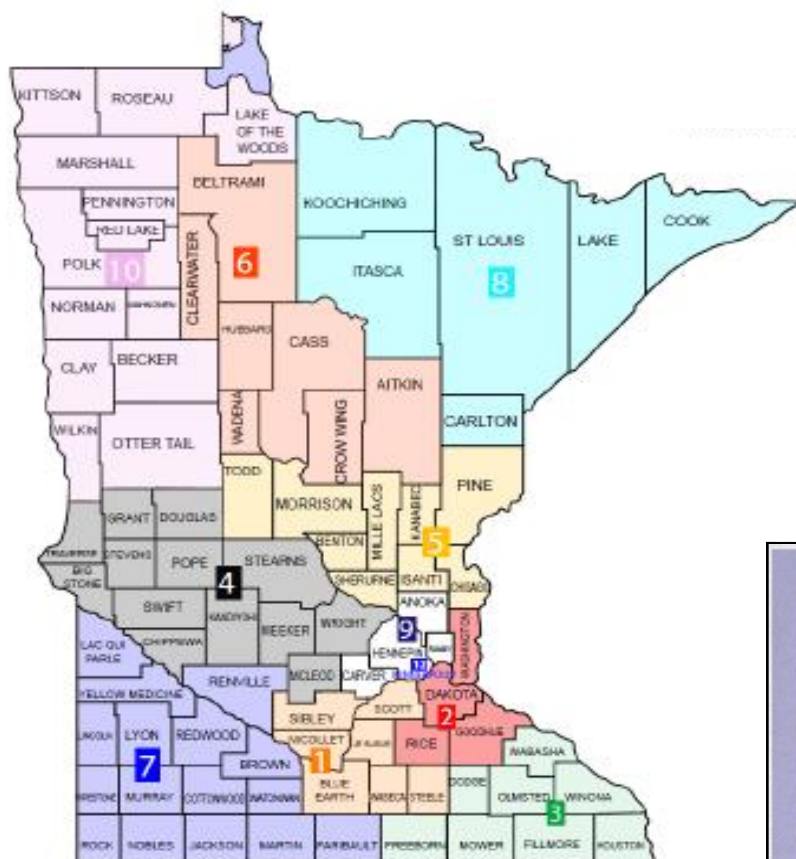
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## Electrical Area Representative Districts

Construction Codes and Licensing Division  
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443 Lafayette Road N., St. Paul, MN 55155  
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This map approximates boundaries.  
Some counties are served by more than one representative.

**DISTRICT 1 Marty Kurnm**  
Phone: (952)440-7455 E-mail: [marty\\_kurnm@state.mn.us](mailto:marty_kurnm@state.mn.us)

**DISTRICT 2 Steven Dudley**  
Phone: (507) 595-3313 E-mail: [steven.dudley@state.mn.us](mailto:steven.dudley@state.mn.us)

**DISTRICT 3 Scott Higgins**  
Phone: (507) 437-9506 E-mail: [scott.higgins@state.mn.us](mailto:scott.higgins@state.mn.us)

**DISTRICT 4 Donald Nemeth**  
Phone: (320)354-4514 E-mail: [Donald.nemeth@state.mn.us](mailto:Donald.nemeth@state.mn.us)

**DISTRICT 5 Michael Theisen**  
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**DISTRICT 6 Sheldon Monson**  
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**DISTRICT 7 Wade Schlie**  
Phone: (507) 794-5048 E-mail: [wade.schlie@state.mn.us](mailto:wade.schlie@state.mn.us)

**DISTRICT 8 Wayne 'Chip' Jespersen**  
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**DISTRICT 9 Marlin Ignatowicz**  
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### Boot Camp—July 9th & 10th, 2014

The MASMS Boot Camp is specifically designed to provide training for facility professionals. The institute will be of great value for newly employed facilities managers or seasoned veterans.

The following topics will be covered:

Standards—Best Practices—Training—Equipment Needs  
Management Tools—Inspections/Checklist  
Budgets—Staff Management and Development

To Register or if you have questions contact Ruth at the MASMS office. Ruth @ masms.org or 320-685-4585

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## Stop School Pests A National Standard for IPM Training

Where can you go for school IPM training materials or curricula? The number of information resource sites can be overwhelming. From a trainer's point of view, spending valuable time sifting through hundreds of web pages and hard copy resources to construct training materials can be frustrating.

Stop School Pests - A National Standard for IPM Training project was initiated to address the need for standardized, peer-reviewed training. Dawn Gouge of the Stop School Pests Development Committee reports, "We've needed freely available, science-based training materials for instructors to use. There are children's environmental health advocates everywhere, many of who would readily serve as educators if materials and support were available. One of the greatest limitations of school IPM expansion has been the limited number of trainers available to provide meaningful education events for stakeholders. The Stop School Pests initiative will change that."

Building largely on existing "best-of-the-best" material, the National Standard IPM Training programs offer training materials that can be used across the country. The program provides recognition to those that complete the training, either through a certificate or certification. Training modules will include general introductory materials as well as specific lessons for custodians, maintenance staff, nurses, teachers, administrators, grounds staff, facility managers, food service staff and pest management professionals.

All learning lessons are evaluated by a Review Committee of 32 professionals from a wide variety of backgrounds including extension, government and non-governmental agencies. The resulting teaching and exam materials will be field tested in schools and refined pursuant to trainers and trainee criticism. If you are interested in getting involved with this project please email [Marisel Snyder](mailto:Marisel.Snyder@usda.gov) for more information. The effort is funded by the USDA North Central IPM Center and the US EPA Office of Pesticide Programs.

## MASMS CALENDAR

**Tuesday, April 8, 2014**

Metro Chapter Meeting

**Wednesday, April 16, 2014**

Southern Chapter Meeting

**Thursday, April 17, 2014**

Northern Chapter Meeting

**Tuesday, May 13, 2014**

State Meeting



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