

2022 Conference Agenda

Agenda times and listings subject to changes and updates

Wednesday, September 7

7:00am-4:00pm **Registration** Whitebirch Lobby

8:00am-Noon **Boiler Operator (Special Engineer License Level) Review**, Ben Weekley; *Pelican*

8:00am-Noon **Boiler Operator (Higher Level License) Review**, State of MN Instructor; *Heartland 1&2*

1:00pm-3:30pm **Boiler Exam – All Levels**; *Pelican*

Plan ahead: You must apply in advance with the State of MN Dept of Labor and Industry to take a boiler exam onsite; Pelican

11:00am-12:00pm **Keynote Address**

“Never Give Up- The Survivor Way”, Holly Hoffman, author, speaker, and Survivor finalist, *Whitebirch*

Session objectives: The importance of taking opportunities, How to deal with adversity and change, Understanding the value of relationships

12:00-1:00pm **Lunch** *Dockside (Lakeside Ballroom if inclement weather)*

1:15-2:05pm **Breakouts:**

Lead Simply – Leadership Workshop, Holly Hoffman; *Whitebirch*

Session Objectives: The Importance of creating a team, your framework for leadership, leadership does not have to be complex

Sustainability – Good Cop/Bad Cop, Paul Henderson and Calenn Heppner, Leo A Daly; *Heartland 1 & 2*

Sustainability is generally a good thing but there are times when it just doesn't make sense to push an item and can have a negative impact for the project or environment. This presentation will look at both sides of sustainability through a simulated debate with a pro-sustainability and an anti-sustainability person. We will cover all areas of sustainability from building systems, water, energy, materials, energy generation, EVs, etc. The end goal of this presentation is to show that sometimes it makes sense to say no to a sustainable option just to check a box if it doesn't actually provide any environmental benefit.

Plumbing Preventive Maintenance Lori Baur, Climate Makers & Amy Satterfield, IEA Inc.;

Heartland 3 & 4, Preventive maintenance on your plumbing systems such as RPZ's, water heaters, domestic water testing, rain leaders and drains.

2:15-3:05pm **Breakouts:**

Taking control of your controls, Part 1: Creating a roadmap for Building Automation Systems upgrades, Don Horkey and Jonathan Mesik, DLR Group; *Whitebirch*. *Building Automation*

Systems (BAS) are a fundamental and critical component in our buildings for managing energy use, maintaining high levels of occupant comfort, and providing a healthy learning environment. This interactive workshop session will demonstrate how to plan and implement a district-wide BAS upgrade and consolidate existing systems on to a new open protocol, non-proprietary controls system. Presenters will also discuss next generation of building controls and diagnostics to optimize energy efficiency and occupant comfort.

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3:05-3:15pm

Break *Whitebirch*

3:15-4:05pm

Breakouts:

Taking control of your controls, Part 2: Leveraging your Building Automation System to gain actionable data insights for improving energy performance, IAQ, occupant comfort and operational efficiency, Don Horkey and Jonathan Mesik, DLR Group; *Whitebirch*

Upgrading your district's Building Automation System provides an opportunity to gain deeper insights into how your buildings are really operating and a powerful ability to harvest actionable data to save energy, inform capital planning, maintain occupant comfort, increased IAQ, and a more streamlined and proactive approach to operations and maintenance.

This interactive workshop session will demonstrate how to leverage the data already available from your building automation systems, smart meters, sensors, and devices in your facility. Participants will work interactively via their smartphones on a demo project, navigating best practices for each step, and potential pitfalls/rewards toward smarter facilities operations.

How to Manage Your Parking Lots and Other Pavements, Michael Remington, P.E., INSPEC; *Heartland 1&2*
Have potholes in your parking lots? Uneven sidewalk panels that pose a tripping hazard to pedestrians? Learn how to properly evaluate and manage your parking lots and sidewalks from a Pavement Engineer with over 30 years of experience. This presentation will cover common problems and proper methods of maintenance including pavement repairs, seal coating, overlays, and pavement reclaiming, and provides a great overview of both asphalt and concrete pavements for facility managers. This presentation will help you manage your pavements in the most cost-effective manner.

Disaster Restoration: How to Prepare and Find the Right Partner for Recovery, Joe Holman, Insight Restoration; *Heartland 3 & 4*

What is your plan to recover from the next man-made or natural disaster event? A sprinkler burst, fire damage, frozen pipe break, storm damage, mold and flood damage...these are just a few disasters that you need to be prepared for at your schools. In this course we will discuss some helpful tips on how to best prepare for these events before they happen. This includes how to find the right disaster restoration partner to fit YOUR needs. A school district with 50 buildings is going to have different needs than a district with 3 buildings. A district in rural Minnesota is going to have different needs than a district in the Twin Cities Metro Area. Together, we will discuss and go through some helpful tips on how to find the right partner for YOU!

5:00-6:00pm **President's Reception, Dockside**

6:00-7:00pm **Dinner, Dockside**

7:30-8:45pm **Boat Cruise on the Breezy Belle and Bonfire at Dockside Beach, weather permitting**

Thursday, September 8

7:00-8:30am **Breakfast Marina II (service available starting at 6:30 am)**

7:30-10:00am **Registration Whitebirch Lobby**

8:00-9:30am **Department Breakouts: Minnesota State – Whitebirch 1, DOC – Pelican, DHS – Heartland 1&2, MDVA – Heartland 3&4, Additional Work Groups – Governor's Room**

9:00am-2:00pm **Trade Show Set Up Minnesota Room**

9:45-11:45am **2 Hour Continuing Education for Registered Electricians (RE) and Power Limited Technicians (PLT); Al Pfeilsticker, MCF – Red Wing. Pelican *Sign in required for CEUs, sign in sheet at session***

9:00-11:00am **Showcase: Hands on trailers & expo, Main Parking Lot (non-trailer items will move inside in case of poor weather)**

- Grainger Industrial
- Trench Safety and Confined Entry Trailer – South Central College
- BSI Boiler Trailer
- Insight Restoration Titan 500 Desiccant Dehumidifier and new drying tech
- Fall Protection and Safety Gear
- RM Cotton – working boilers and water heaters trailer

11:00 – 11:10am **Break Whitebirch Lobby**

11:10am-12:00pm **Breakouts:**

Combining Electrical Maintenance and Your Electrical Safety Program. ARE YOU PREPARED? Joe

Schommer, Resa Power; *Whitebirch*

The world of electrical Maintenance, electrical hazard protection and accident prevention can be a confusing place. Learn best practices in regards to insuring that your Electrical Maintenance Program and your Electrical Safety Programs are working in concert with each other. Be prepared by arming yourself with the knowledge of the types of Preventive and Predictive Maintenance being implemented within the electrical power distribution systems throughout our industries.

Indoor Air Quality for a New World, Glen Bergman & Matthew Gore, G&B Environmental, Inc. *Pelican*

The high importance of indoor air quality (IAQ) has become more understood in recent years, particularly in light of the SAR-CoV-2 pandemic, which is now entering its third year. This presentation will include basic ways for facilities and companies of all sizes to improve their indoor air quality during a time when facility managers and engineers are bombarded with an unprecedented number of "solutions" for their indoor air quality problems. The presentation will also include information on the essential practices endorsed by ASHRAE and NAFA to help mitigate the spread of harmful particles and contagions indoors, as well as hands-on demonstrations of indoor air quality monitoring that attendees will be able to participate in directly.

12:00pm

Lunch *Lakeside Ballroom*

12:30pm

Guild Business Meeting (held during lunch) *Lakeside Ballroom*

Agenda:

President's Message, *Al Pfeilsticker*

5 Minute Update on Hot Water Supply Boiler Inspection Changes, *Howard Berny*

Guild Business Report, *MNCEG Staff*

Thank you and consider board or committee service, *Al Pfeilsticker and Kurt Heideman*

1:00-1:50pm

Breakouts:

Energy Codes and Beyond: Balancing Energy Efficiency, Air Quality, Occupant Comfort, Operational Efficiency and Sustainability goals in new construction and renovation projects, Nathan Kegel &

Scott Birney, DLR Group; *Whitebirch*

Specifying and installing an energy-efficient system is no longer the only consideration for new or renovation projects. Increasing demands of minimum mandatory state energy codes, COVID 19, Indoor Air Quality and occupant comfort are met with more sophisticated tools for tracking and reporting operational and embodied carbon – within budget limitations.

This interactive workshop will provide a hands-on approach to selecting building systems, striking the right balance between these sometimes-opposing factors. The winning teams will find the best balance between best practices for Air Quality, Ventilation Effectiveness, Energy Efficiency, Occupant Health & Comfort, First Costs, First/Operational Costs, and impact on our planet's resources!

Improper Use of Storefront Window Systems Leading to Costly Repairs, Jason Popovich, INSPEC; *Pelican*
Budget is oftentimes a major factor in the design and construction of facilities. All too often, efforts to reduce upfront costs lead to much larger expenditures down the road. Examples of cases where this has occurred can be heard being shared by professionals in all areas of construction. While some of them are obvious, others are not. Building envelopes are no exception. This case study presents one such case where a building owner struggled with moisture intrusion around windows over a period of years, the identified cause, as well as realized and unrealized costs associated with the attempt to reduce budget during original construction.

Confined Space Entry Training, Presented by Customized Workforce Education at South Central College; *Trailer*

Limited to 15 participants, sign up at the registration desk

1:00pm

Vendor Meeting *Minnesota Room*

2:00-4:00pm

Trade Show *Minnesota Room*

5:00-6:15pm

Reception and Networking *Dockside*

6:30-8:00pm

Banquet *Whitebirch*

8:00-10:00pm

Games4Grads Event: *Whitebirch*, A time to network, raise money for our scholarship fund, and have a little fun!

Games start at 8:00pm, Silent Auction winners announced at 9:15pm, prize drawings at 9:30pm.

Friday, September 9

7:30-8:30am **Breakfast Marina II** (service available starting at 6:30 am)

8:30-9:30am **Breakouts:**

Understanding Available Fault Current in Building Power Systems, Philip Haataja, SafeHandSystems;
Whitebirch

Maximum available fault current from a utility transformer is one of the key factors used for calculating arc flash energy. The available fault current is also needed for the proper selection of rooftop units, control panels, breaker panels, and most other electrical equipment.

Upon successful completion of this course, learners will:

- Understand the impact of available fault current on equipment that is incorrectly rated*
- Learn about the effect of wire size and wire length on available fault current*
- Understand the relationship between available fault current and short circuit current rating*
- Understand how maximum available fault current affects the selection of electrical equipment*
- Learn how to get accurate utility information for each of their buildings*

Each learner will be supplied with a non-branded form they can use to solicit their own utility transformer information from their power company for each of their facilities.

9:30-9:45am **Break Whitebirch Lobby**

9:45-Noon **Capstone Session:**

“We’re just here to fix \$h!t: Is duct tape a valid leadership tool...and other leadership questions you always wanted to ask!” Brad Kramer, Provenio and Kris Langworthy, Impact Zone Strategies, *Whitebirch*
In this presentation, we’re going to get hands on and use plenty of humor to identify the leadership traits that are necessary to manage a building & grounds maintenance in a public facility, including workplace politics, developing employees, culture, retention and recruitment, and training leaders. And yes, we will be using duct tape!

Noon **Closing, Grand Prize Drawing, Adjourn - Grab and Go Lunch Whitebirch Lobby**

