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SUMMER 2023

NEWS

MI-ACE 2023



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The Michigan Water Works News is a quarterly publication of the Michigan Section, American Water Works Association.

The deadline for submitting articles for the Fall 2023 issue is August 11, 2023.

Material may be submitted through the website at www.mi-water.org/publications.

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HAPPY SUMMER!

Kelly Gleason, Editor

Welcome to the summer issue of *Water Works News*! I'm sure loving the warmer weather!

We have an issue full of information and updates. There are many training opportunities available, including the Annual Conference; please see the calendar on page 67.

I would love to hear about what you have been up to in the water world. You can send pictures, stories, and updates to kelly.gleason@lbwl.com with the subject line *Water Works News* or through the MI-AWWA website at www.mi-water.org/publications. 💧

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LISTENING TO UNDERSTAND

Wayne Jernberg, Chair

Have you ever heard something that sticks with you for a lifetime? It may be something your parents or grandparents often tell you or something from a friend. For me, I think back many years to a pastor who would say things that just stuck with me. You see, my wife and I have attended the same church now for nearly 25 years, and our first pastor there would always end every sermon with the same message, "Let those with ears, let them hear!" Those familiar with biblical passages will know this passage and that it occurs in multiple locations in the New Testament.

As I think about this phrase, I can't help but see the relevance to what we do every day. For some, the phrase will prompt thoughts of getting the audience to understand what their message is. And for others, it will be about understanding what the audience is telling us. Both perspectives are incredibly important, yet, for those in our industry, it can be incredibly difficult

to understand what our customers (or even our data) are telling us. This is where active listening can help.

Active listening is a challenging skill to develop for most people as it requires not only listening to what is being said but also understanding the meaning and intent behind the words and actions used. It requires reflection on what has been said as well as listening to understand rather than listening to respond. Asking reflective questions about what you have heard is another excellent tool to help you become fully engaged in the conversation.

Interacting with and understanding your customers is just one area where active listening can be applied in our industry. The customer has a voice that needs to be understood to effectively assess your operations, and it is important that we work hard to raise the customer's voice.


I have been fortunate to work with the State's Drinking Water Advisory




Council (SDWAC) over the past few years and see the active listening and understanding that has occurred in the development of the lead-in-water awareness toolkit, 'Know Your Water.' The team from GÜD Marketing is largely responsible for developing this toolkit, and in order to do so, they worked with numerous groups and individuals. Whether through multiple rounds

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"WATER AND SEWER AFFORDABILITY, INCLUDING ASSISTANCE PROGRAMS, ARE EXAMPLES OF WHERE ACTIVE LISTENING AND UNDERSTANDING ARE KEY IN DRIVING POSSIBLE SOLUTIONS."

of random surveys of water system customers across Michigan, interaction and meetings with professional organizations, or reviewing the toolkit with local water councils, they made sure

to listen, collect, and understand all of the information to help guide their work in developing the toolkit. They were also excellent at asking difficult follow-up questions to further clarify the provided

information. Throughout the process, the feedback they received drove the messaging that has been developed and will be available soon. If you are interested in learning more about the 'Know Your Water' toolkit, the SDWAC meets regularly, and the schedule can be found at www.michigan.gov/egle/about/groups/statewide-drinking-water-advisory-council.

Water and sewer affordability, including assistance programs, are examples of where active listening and understanding are key in driving possible solutions. It just happens that this is a topic where the Section has been and is currently quite active. The Section's work group has been discussing this topic with a wide range of subject matter experts, as well as state legislators, to help those most in need to be able to afford essential water and sewer services. While no specific solutions have been implemented as of yet, active listening and understanding of the issues have been critical in the development of options that may be able to help ease the burden of the cost of water and sewer service. If you are interested in participating in those discussions and learning more about the Section's ongoing efforts in the assistance and affordability, reach out to our Section staff at www.mi-water.org to learn more.

As I get close to wrapping up my year as Chair of the Section, I want to reflect on the concept of TEAM one more time. You may remember I mentioned that TEAM referred to 'Together, Everyone, Always, Matters.' While 'Everyone' can cover a wide spectrum of people, it is critical that we understand who that is in our own part of the water industry. That is where we must ensure that we complete the latter half of TEAM through active listening and understanding so that everyone is always heard, their voice is understood, and that voice will always matter. We do such a great job of this within the Michigan Section of AWWA, and I am grateful to be of our TEAM. 💧



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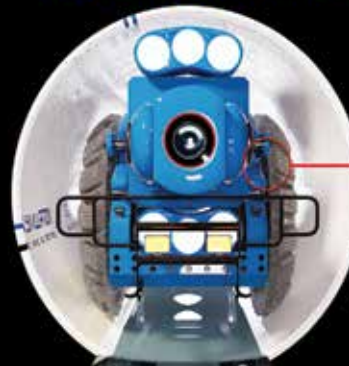
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Christine Spitzley, Director

"Change is the law of life, and those who look only to the past or present are certain to miss the future."

– John F. Kennedy

As our industry continues to transform, we have no choice but to change. We have lessons from the past and today's challenges on our minds, but the ones on the horizon need our attention.

AWWA continues to transform and work to serve members in new and evolving ways while staying true to its core services. The Association committed to formally reviewing and assessing its programs to ensure they are relevant, provide value, and support investment in the future through the recent establishment of the Program Review Advisory Committee (PRAC). The PRAC is led by Treasurer Jon Eaton and is comprised of nine members, including myself. The PRAC meets biweekly with the target of reviewing all AWWA programs and projects over the next five years. At each meeting, both the PRAC and program owner(s), both staff and volunteer, review and discuss the selected program and project using a modified Tecker review method. After the meeting, a final report is generated highlighting program details, review comments, and any suggested program changes or ideas. The goal of the PRAC is to provide a comprehensive review of projects and programs to ensure AWWA resources are being used to the highest benefit for our members. The PRAC will also work to identify additional opportunities to support our members as they face emerging challenges, and we continue to work together to build a better world through better water.

In Michigan, we are also working to continually improve the member experience, value, and involvement. The MI-AWWA Board, staff, and volunteers are committed to a better Michigan through better water.

As Michigan's Director, I Chair the Nominations Committee. There are changes to the MI-AWWA Board every year as members roll off and new members are elected. Recruiting, vetting, and selecting the annual slate of officers is a months-long process. I am grateful to those who served the Section as members of this Committee and to the candidates who have agreed to serve for the next three years. As an organization, we continue to work to bring

a diversity of thought and perspective to the Board. Each of this year's candidates will bring unique experiences, skills, and viewpoints, providing fresh ideas, new connections, and challenges to the status quo. Each candidate is making a substantial commitment by offering to serve. Please take a moment to learn more about our 2023 candidates Rick Solle, James Cassel, and Dan Sroka, on page 49.



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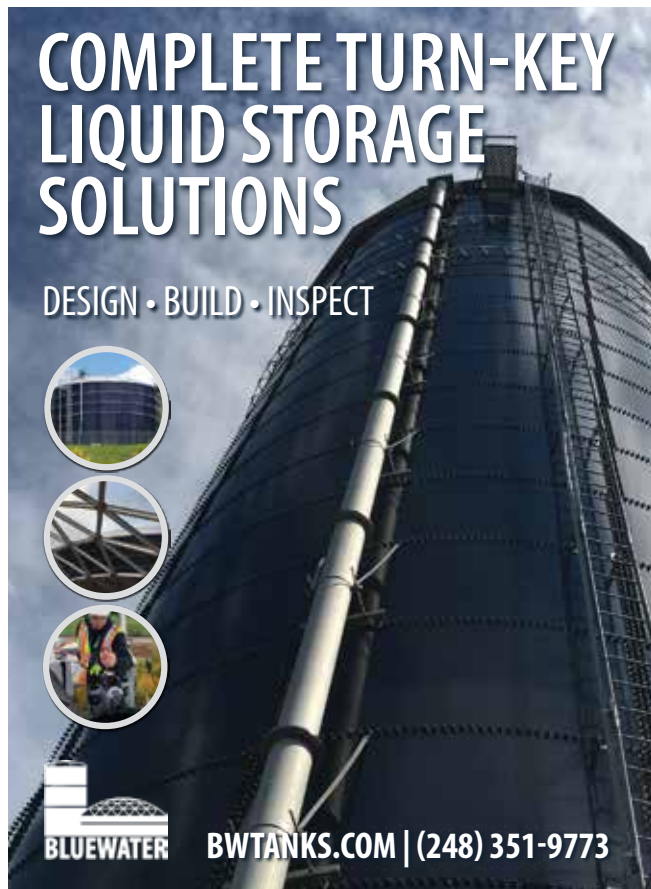
"IN THE LAST SIX MONTHS, THE 'OWNED IDEAS' HAVE THRIVED. WE HAVE AN INCREASED SOCIAL MEDIA PRESENCE, NEW MI-AWWA SWAG IS AVAILABLE, PURSUED NEW FUNDING, NEW PARTNERSHIPS HAVE BEEN FORGED, AND A NEW COHORT-STYLE TRAINING PROGRAM FOR THOSE NEW TO WATER."

Continuing the theme of innovation, new ideas, and a look to the future, in January, MI-AWWA hosted its first Revenue Workshop. While the title could have been more appealing, the participants were quite inspired. Twenty-five people gathered to propose and take ownership of innovative ways to increase revenue, improve operations, and leverage resources. I was once again inspired by the creativity, passion, and dedication our members bring. But I worried the spark of the day's discussions would wear off, and the good ideas would never see implementation. As often happens, my worry was wasted. The rule of the day was 'every idea is owned.' We have all been part of meetings where great ideas are proposed but, over time, seem to drift away only to re-emerge in the future. Happily, this has not been the

outcome of this event. In the last six months, the 'owned ideas' have thrived. We have an increased social media presence, new MI-AWWA swag is available, pursued new funding, new partnerships have been forged, and a new cohort-style training program for those new to water.

The experience reminded me of my early days in MI-AWWA. I quickly learned that most of the time, if you have an idea, project, or program that will benefit membership that you are willing to own, there is a way to make it happen, and MI-AWWA leadership, staff, and members will work to support you.

Churchill said, "To improve is to change; to be perfect is to change often." If you have an idea or suggestions to improve MI AWWA that you are willing to own, please reach out to me or any member of the Board or staff. 💧



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BECOMING A WATER AMBASSADOR

Bonnifer Ballard, Executive Director

I've been hearing a lot lately that workforce development is a critical issue that water supplies, consultants, and suppliers are struggling to address. However, there are also a number of organizations that have created some really terrific programs to help feed their pipeline. And there are several committees within MI-AWWA working to address this issue.

I think one of the big strategies we can implement immediately is becoming

ambassadors for the water sector. Yes, that's part of my job. But I think it can and should be all of our jobs.

This is a fabulous sector to be a part of. Water professionals are resilient, creative, and hard-working. They care deeply about delivering clean, safe water and protecting public health. I've met so many people during my tenure with MI-AWWA that have amazing stories to tell. And telling stories is really the best way to get the message out about the great career someone could have

in water. And it's a really easy way to become a water ambassador.

I know someone who was a Navy brat and grew up moving around. They never knew that a job in water was an option. So, they happened to apply for a job at a local water plant and got it. Now, they've been in the water industry for more than 20 years.

I know another person who grew up in a small town; they were looking for a good-paying job. So, they applied for a job with the city, mowing parks. They moved through different positions and ended up working on distribution, repairing water mains, flushing hydrants, and more. Now, they're also excellent at problem-solving customer complaints.

There are so many great stories we could tell. And telling our story (or even that of colleagues) is an easy way for us to become water ambassadors.

What is your water story? Practice pulling it out, telling it, and maybe if we all do that more often, we can build greater awareness for the amazing career someone could have in water while actually building our pipeline of future workers.





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- Connect with your water peers
- Equip you with ideas to bring back to your team
- Learn what's on the horizon for Michigan water professionals

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MI-ACE promises to be another fun and informative conference, full of great information to help you with the challenges you face every day. We look forward to welcoming you to a new conference location for the Section, the Blue Water Convention Center in Port Huron, this September!



REASONS TO ATTEND MI-ACE 2023



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Take the **opportunity to meet leaders** and find mentors



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Stay ahead of **industry trends** and the competition



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TUESDAY, SEPTEMBER 12

10:30 am – 4:30 pm **Golf Outing Fundraiser with Lunch**

12:00 pm – 3:00 pm **Lake Huron Plant Tour –
Fort Gratiot (lunch included)**

6:15 pm – 7:30 pm **MI-AWWA Board of Trustees and
Sponsor Dinner (by invitation)**

7:30 pm – 9:00 pm **Opening Dessert Reception**

WEDNESDAY, SEPTEMBER 13

7:15 am – 8:00 am **First Timers' Breakfast**

7:15 am – 8:00 am **Breakfast in Exhibit Hall
(premium ticket access)**

8:05 am – 8:20 am **Opening Remarks and Awards**

8:20 am – 10:05 am **Wednesday Morning General Session**

10:05 am – 10:20 am **Networking Break in Exhibit Hall**

10:20 am – 11:30 am **Wednesday Morning General Session
(continued)**

11:30 am – 1:00 pm **Lunch in Exhibit Hall**

1:00 pm – 3:15 pm **Track 2, 3 & 4**

3:15 pm – 3:30 pm **Networking Break in Exhibit Hall**

3:30 pm – 4:35 pm **Wednesday Afternoon General Session**

4:35 pm – 6:15 pm **Happy Hour in Exhibit Hall**

Registration & Information Hours:

Tuesday, September 12 • 4:00 pm – 8:00 pm

Wednesday, September 13 • 7:00 am – 6:00 pm

Thursday, September 14 • 7:00 am – 4:00 pm

Friday, September 15 • 7:00 am – 10:30 am

THURSDAY, SEPTEMBER 14

7:15 am – 8:00 am **Women on Water
(additional ticket required)**

7:15 am – 8:00 am **Attendee Breakfast
(premium ticket access)**

8:05 am – 8:30 am **Business Meeting and Awards**

8:30 am – 9:30 am **Thursday Morning General Session**

9:35 am – 10:05 am **Track 7, 8 & 9**

10:05 am – 10:20 am **Networking Break**

10:20 am – 11:25 am **Track 7, 8 & 9 (continued)**

11:30 am – 1:30 pm **Fuller Lunch
(premium ticket access
or additional ticket required)**

1:35 pm – 3:15 pm **Track 10, 11 & 12**

3:15 pm – 3:30 pm **Networking Break**

3:30 pm – 4:35 pm **Thursday Afternoon General Session**

4:35 pm – 6:00 pm **Rest and Refresh**

6:00 pm – 8:30 pm **Networking Dinner and Yard Party
(premium ticket access
or additional ticket required)**

FRIDAY, SEPTEMBER 15

7:15 am – 8:00 am **Attendee Breakfast
(premium ticket access)**

7:15 am – 8:00 am **Leadership Breakfast
(by invitation)**

8:05 am – 10:05 am **Friday Morning General Session**

10:05 am – 10:30 am **Networking Break**

10:30 am – 12:00 pm **Closing General Session**

12:00 pm – 12:15 pm **Closing Remarks**

EXHIBITORS

2023 Exhibitors (as of June 7, 2023)

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ENTERTAINMENT AND NETWORKING

GOLF OUTING FUNDRAISER

Golfers will enjoy the Port Huron Elks Golf Club. A playable course for all levels of golfers; challenging enough to ensure strategic play but rewarding enough to bring you back for more. Practice on the irons-only driving range by playing the Water Drive, where you try to hit a ball into the kiddie pool for a chance to win one of three prizes. Mulligans are also available so you can have a couple of do-overs on the course, and prizes are awarded for the lowest score, highest score, longest drive, and closest to the pin. Enjoy lunch before the noon shotgun start. Network while helping to raise money for Safe Water in Ecuador and AWWA's Water Equation.

- Registration – \$125
- Hole Sponsorship – \$250
- Water Drive – 3 balls for \$5
- Mulligans – 2 do-overs for \$5

Separate registration is required.

FUNDRAISING BENEFICIARIES

Safe Water in Ecuador (SWIE), a program of MI-AWWA, works to bring clean, safe drinking water to indigenous communities in Ecuador. **Water Equation**, a program of AWWA, offers training scholarships and leadership development to young professionals.



FULLER LUNCHEON

A time-honored tradition, the Fuller Luncheon honors Michigan Water Utility Hall of Fame inductees, the Raymond J. Faust Awardees, and the George Warren Fuller Awardee. Enjoy lunch and celebrate the titans of the water sector in Michigan. Faust and Fuller awardees are announced during the luncheon.

- Ticket – \$45*

WOMEN ON WATER NETWORKING

The WOW Networking Breakfast event is an opportunity for women attending MI-ACE to join in shared camaraderie as women working in the water sector. This year's WOW event will feature AWWA President-Elect Cheryl Porter, the first woman of color and first African American woman to be AWWA President, and AWWA Vice-President Christine Spitzley, currently the Michigan Section Director.

- Ticket – \$25

LAKE HURON WATER TREATMENT PLANT TOUR AND PILOT PLANT DEMONSTRATION

Tuesday, September 12, 2023
12:00 PM - 3:00 PM

The Lake Huron Water Treatment Plant began full-scale operations in 1974 and meets the needs of the population north of Detroit. The plant's current pumping capacity is 400 MGD. Take a plant tour through the treatment process, including treatment units, monitoring and instrumentation, and residuals handling. Experience the newly added pilot plant facility. Units are scaled to mimic full-scale treatment plant performance but with shorter total detention and travel time through the system allowing for the testing of new or modified treatment schemes. Tour attendees will see the pilot plant in action, including witnessing the filter columns in backwash mode.

- GLWA security requires all visitors to provide their personal information, including driver's license information, prior to site access.
- Ticket – \$50 (lunch included)
- CECs – 0.2

FIRST-TIME ATTENDEE ORIENTATION AND BREAKFAST

Those attending MI-ACE for the first time are invited to attend a breakfast before the Opening General Session. Leaders of MI-AWWA will provide you with some tips for how to get the most out of attending. This is a great opportunity to get acquainted with water professionals prior to sessions starting. RSVP is required.

SWIE CHANCE AUCTION

Chance Auction items are displayed in the exhibit hall and have a basket placed near them. Place your ticket in the basket of the item you most want to win. Winners are drawn randomly from each basket for each item. There is no limit to the number of tickets you can place in any basket. The SWIE Chance Auction is open Wednesday, September 13, from 7:15 am - 5:15 pm in the Exhibit Hall.

- Tickets – 3 for \$10 and 10 for \$20
- The SWIE Committee is seeking items for the Chance Auction. To donate an item, please send an email to info@mi-water.org.

Thank you in advance to our item donors!

THURSDAY NIGHT NETWORKING DINNER AND YARD PARTY

Spend the evening eating, relaxing, and networking while looking over the beautiful St. Clair River. Then, try your hand at corn-hole or a few other lawn games.

- Ticket – \$55*

** included with Premium Conference Ticket purchase*

Conference App

Download the conference app and be plugged into all the happenings. Track your CECs*, meet the speakers, and receive conference update notifications.



**subject to confirmation*

AWARDS AND RECOGNITION

SCHEDULE OF RECOGNITION

Wednesday, September 13, at 8:00 AM

Silver Water Drop Award
Gold Water Drop Award
Life Member Status Award
EGLE Edward Dunbar Rich Award

Wednesday, September 13, at 10:20 AM

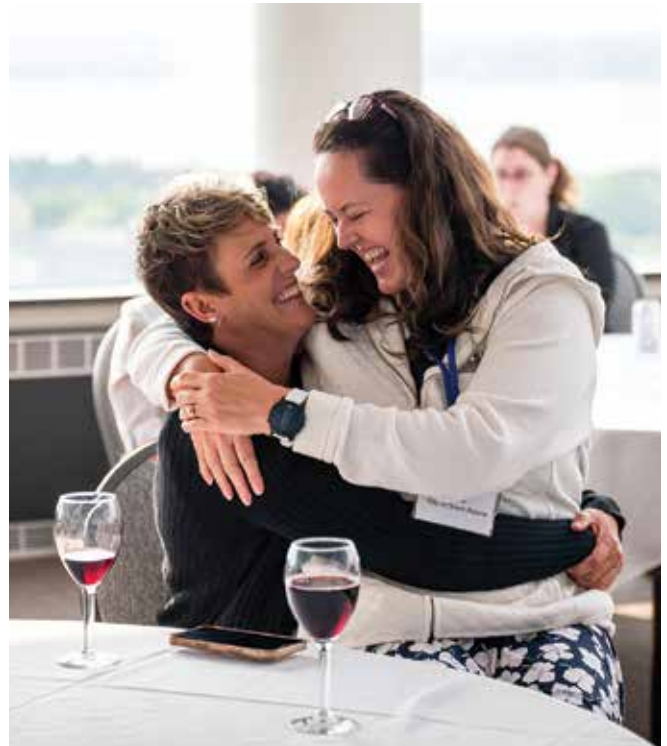
Professional Excellence Award – Organization
Professional Excellence Award – Individual
Operator Meritorious Award
Richard Husby Public Awareness Award

Thursday, September 14, at 8:00 AM

Executive Director Award
Van der Kolk Volunteer of the Year
Young Professional of the Year

Thursday, September 14, at the Fuller Luncheon

Michigan Water Utility Hall of Fame
Raymond J. Faust Award
George Warren Fuller Award



VOLUNTEERING AT MI-ACE

Did you know the Section relies on the generous time and efforts of volunteers to make MI-ACE a success? Consider lending a helping hand at MI-ACE 2023! Volunteers are needed for registration, session moderating, the member booth, and more. A volunteering form will be available this summer. Please contact staff at info@mi-water.org to be added to the list of prospective volunteers.

TECHNICAL PROGRAM

WEDNESDAY GENERAL SESSION

8:05 AM

1.1. Opening Remarks and Awards

8:20 AM

1.2. Water 2050

Christine Spitzley, OHM Advisors

AWWA's Water 2050 initiative seeks to establish a long-term vision of the future of water. Ultimately, Water 2050's influence will extend beyond the water community, fostering partnerships and cross-sector collaboration for mutual and global benefit. Water 2050 explored Sustainability, Technology, Economics, Governance, and Social Demographics. Learn the conclusions of this exploration and begin the discussion of how we can apply Water 2050 to the challenges and opportunities in Michigan.

9:00 AM

1.3. A City Manager's Perspective

James Freed, City Manager Port Huron

Most community water supplies have a decision making person or body that governs the water budget. Hear from the host city about the challenges they face and the choices they've made to ensure clean safe water for everyone in Port Huron.

9:30 AM

1.4 Michigan Water Infrastructure Condition and Future Needs – Water Asset Management Council

Carrie Cox, Oakland County

Water Resources Commissioner's Office

The presentation will outline the current condition of water assets across the state and the future water infrastructure needs, along with tools and training available to assist utilities on their asset management journey.

10:20 AM

1.5. MiWARN: A Necessary Option in an Emergency

Wayne Jernberg, City of Grand Rapids Water System

Tim Neumann, Michigan Rural Water Association

In the middle of a water security crisis or natural disaster, MiWARN Network is there to provide specialized aid to help restore operations and public confidence. Learn how you can get your community to become a member of MiWARN, giving you access to critical assets like equipment, materials, and personnel in an emergency.

10:55 AM

1.6. Safe Water In Ecuador Updates

Mark De Haan, Life Giving Water International

Julie Wildschut, Calvin University

A new water quality method was developed by a local organization in Ecuador to consistently improve water quality for rural communities in Andean countries of South America. Many of these communities with distribution networks are not chlorinated, increasing the risk of water-borne pathogens. This new technique builds on the strengths of traditional subterranean spring captures while employing several design improvements that will be highlighted in the presentation. Case studies were performed, and water quality data was collected that supports this new method that consistently provides high-quality water with substantially reduced levels of water-borne pathogens compared to the traditional spring capture methods.

TRACK 2 – WEDNESDAY AFTERNOON

1:00 PM

2.1. Operational Challenges at the Lake Huron Water Treatment Plant while Isolated from the GLWA Water Transmission System

James Messineo, PE, Arcadis

Andrea Miller, Great Lakes Water Authority

The Lake Huron Water Treatment Plant (WTP) was isolated from the GLWA water transmission system due to a 120-inch water main break, creating a need for new operational procedures to be quickly developed and implemented to maintain water quality.

1:35 PM

2.2. Multi-Sector Coordination to Maximize Water System Improvements

Lindsey Kerkez, Southeast Michigan

Council of Governments (SEMCOG)

Rachael Barlock, Southeast Michigan

Council of Governments (SEMCOG)

The coordination of infrastructure projects across public and private sectors is a long-standing challenge. It is critical for these different asset owners to coordinate infrastructure projects to leverage funds, save on long-term costs, and minimize disruptions to local residents. SEMCOG is working across infrastructure owners to develop a planning framework for early coordination and project selection. Institutionalizing this process in alignment with the existing public transportation planning process will identify early opportunities for water infrastructure systems to leverage strategic investments. Water utilities can take advantage of that construction process to inspect, repair, and replace their infrastructure at the same time.

2:10 PM

2.3. Microplastics:**Human Health Impacts and Source Reduction****Mala Hettiarachchi, Environmental Resources Group**

Microplastics are plastic particles ranging from 1 micrometer to 5 millimeters. They enter the aquatic, terrestrial, and atmospheric environments through various transport mechanisms. Microplastics enter human bodies via ingestion or inhalation or dermal contact and may create negative human health impacts. Recent peer-reviewed studies demonstrate the detection of microplastics in human blood, vascular tissues, placenta, and lung tissues. Therefore, reducing macro and microplastics entering the environment is one of the best methods to protect human health.

2:45 PM

2.4. Affordability Update**Jaime Fleming, City of Wyoming**

This presentation will highlight the legislative landscape, policy activities, education opportunities, and partnership building that MI-AWWA has engaged in this year.

TRACK 3 – WEDNESDAY AFTERNOON

1:00 PM

3.1. Finances, Affordability, and Rate Setting for Small Communities**John A. Sullivan, Michigan Technological University**

Financial basics for the small community – the Utility Financial Statement, the balance sheet, and the cash flow statement. A discussion and comparison of depreciation of assets versus asset management planning. Discussion of utility budget preparation, water and wastewater rate analysis, and reserve fund contributions. The use of financial ratios to track financial viability. The sources of funding for major infrastructure projects.

1:35 PM

3.2. Conscientious Communication with Community**Samarhia Giffel, City of Grand Rapids Water Systems****Izamar Contreras, City of Grand Rapids Water Systems**

This presentation will give you a guide to creating a communication and engagement program for your community. The City of Grand Rapids will show you how the conscience nature of past practices can disrupt innovation. Are you prepared to go through steps to help you break away from past practices and build steps that will instill trust? Be prepared for an interactive, high-energy session intended to move you to impact your community. Come prepared to share innovative ideas and obstacles to avoid.

2:10 PM

3.3. Trends In Project Finance and Funding**Andy Campbell, CPA, Baker Tilly Municipal Advisors**

In-depth discussion of project funding possibilities, including the State Revolving Fund, USDA Rural Development, Broker and Banks. Pros and cons of each option, interest rates, financial differences, process differences, grants, etc. In addition, discussion regarding proactive planning in terms of user rates and financial cash flows to best position your community for funding and stability going forward. Lastly, a discussion on how to better cash fund the utility system to avoid debt, when possible.

2:45 PM

3.4. OSHA Safety Compliance Training**David Maloney, CGS Safety Training, Inc.**

Get your Supervisors and Operators up-to-date on OSHA and MIOSHA requirements. PPE, Lockout, Ladder Safety, and more will be covered in gruesome detail. Be prepared for that MIOSHA inspection – because it's coming.

TRACK 4 – WEDNESDAY AFTERNOON

1:00 PM

4.1. In The Loop –**Corrosion Control Evaluation for the City of Saginaw****Susan McGrattan, Hazen and Sawyer****Tia Sova, City of Saginaw Water Treatment**

In response to the Lead and Copper Rule (LCR) revision that will take effect in 2025 and lower the lead action level (AL) from 15 ppb to 12 ppb, the City of Saginaw plans to target a trigger level of 5 ppb in the future and is exploring strategies to achieve this. The City is also interested in learning whether transitioning from the current pH and alkalinity adjustment strategy to an orthophosphate-based approach could reduce lead levels even further below the action level (AL) than they currently observe. The corrosion control study was arranged using equipment available at the Saginaw WTP and focused on observing the potential impacts of adding an orthophosphate corrosion inhibitor to the current treatment process, with the goal of reducing 90th percentile lead levels to 5 ppb or less. An existing pipe loop apparatus at the Saginaw WTP was modified by plant staff to incorporate an additional loop harvested in February 2023 from the distribution system for testing to observe changes in the amount of lead and copper transferred from the loops to the effluent as a result of simulated adjustments in the treatment process and plant conditions. Preconditioning was followed by weekly lead and copper sample collection and analysis under three conditions: 1) one month of baseline testing to establish metrics for comparison, 2) one month of orthophosphate addition at varying doses, and 3) two months of pH adjustment.

1:35 PM

4.2. Surveying Costs on the PFAS Roadmap

Daniel Farley, Black & Veatch

This presentation will present the results of the cost model developed as part of AWWA's Water Infrastructure and Technology Action Fund Project 56. It will explore costs of individual and national treatment costs using several scenarios based on actual PFAS contamination cases and validated by actual treatment costs. Capital, annual recurring, and life-cycle costs will be presented for each technology, reflecting the level of treatment required to comply with the anticipated PFAS rule under each scenario. Developing methods to rapidly assess and compare the best-performing adsorptive media and important non-monetary factors affecting technology selection for a particular water source will also be reviewed.

2:10 PM

4.3. PFAS Contamination in Michigan: Impact of Regulation and What Utilities Can Do

Ken Sansone, SL Environmental Law Group PC

Harmful PFAS substances are an urgent public health and environmental issue. The EPA is actively implementing its Strategic Roadmap, including the release of federal standards for PFAS in drinking water. This presentation will discuss the impact of the new regulation on Michigan water suppliers, what recourse utilities have to cover clean-up costs, updates on current legal action that many water systems are already taking to shift costs to PFAS manufacturers, and the implications for other water providers who may be interested in it.

2:45 PM

4.4. Planning Your Future Workforce

Pat Staskiewicz, Ottawa County Road Commission – Moderator
Molly Maciejewski, Ann Arbor Public Services
Dan Sorek, Prein & Newhoff

Join Pat Staskiewicz as he leads a discussion with Molly Maciejewski of Ann Arbor and Dan Sorek of Prein & Newhoff about their respective approaches to helping build their future workforce. Building a program to raise awareness about careers in public works and the water sector takes a bit of vision and a lot of patience. Listen to the discussion to gain ideas for how you might be able to improve your organization's workforce development success.

TRACK 5 – WEDNESDAY AFTERNOON GENERAL SESSION

3:30 PM

5.1. From a Global to Community Perspective

Paul Rush, New York City Department of Environmental Protection Bureau of Water Supply

Paul Rush, AWWA Board member, will provide an overview of trends happening in the water sector around the world and will provide a synopsis of research being conducted by the Water Research Foundation. Then, he will dive into the details of a large repair project happening in New York City, which delivers more than 1 billion gallons of water per day.

THURSDAY MORNING GENERAL SESSION

8:05 AM

6.1. Annual Business Meeting and Awards

8:30 AM

6.2. Lessons from the Great Lakes News Collaborative

Lester Graham, Michigan Radio

Through a grant, a unique partnership between Michigan Radio, *Bridge Magazine*, *Great Lakes Now*, and *Circle of Blue* was created to focus on stories in the Great Lakes Region around water affordability, water quality, aging infrastructure, and source water protection. Reporter Lester Graham will share highlights as well as lessons learned from stories done through the Collaborative.

9:00 AM

6.3. Hot Topic

MI-AWWA Leadership

The MI-AWWA leadership join together to discuss the latest challenges facing the water sector in Michigan. A game show style session, listen as the moderator throws rapid fire questions to members of the MI-AWWA leadership.

TRACK 7 – THURSDAY MORNING

9:35 AM

7.1. Detroit River Phytoplankton

Balvinder Sehgal, Great Lakes Water Authority (GLWA)

Phytoplankton communities are sensitive bioindicators of change in aquatic systems, so they can be used as a measure of aquatic ecosystem health. The challenges harmful algal blooms (HABs) pose has increased interest in studying phytoplankton in regions such as the Great Lakes. This study generates an update on the Detroit River phytoplankton community, compares recent findings with published historical Detroit River phytoplankton records, and identifies possible Detroit River abiotic factors that may cause shifts in Detroit River phytoplankton communities.

10:20 AM

7.2. GLWA Pilots New Opportunities at Lake Huron for Research, Training, and Innovation

*Dienye Tolofari, Great Lakes Water Authority (GLWA)
Lynn Williams-Stephens, Brown and Caldwell*

The Great Lakes Water Authority (GLWA) has built a new water innovation center/pilot plant at the Lake Huron Water Treatment Plant (LHWTP) for training, research, and innovation. This project was delivered through a fixed-price design-build contract with Brown and Caldwell. The presentation will share how this facility was developed, designed, constructed, and commissioned and the utilization of the facility for applied research, operator training, and innovation purposes. It will also share the initial pilot testing that will be embarked upon by GLWA.

10:55 AM

7.3. LBWL Dye WCP Lime Slaker Upgrade 2023 – DWSRF Compliance – It Takes a Village

Matt Coulthard, PE, Black & Veatch

The Lansing Board of Water & Light (BWL) secured funding support through the Drinking Water State Revolving Fund (DWSRF) program to complete to upgrade of the lime-slaking equipment at the John F. Dye Water Conditioning Plant. BWL retained Black & Veatch to complete the design and bid phase services associated with this critical capital improvements project. By working closely and collaboratively, BWL and B&V went from kickoff to 90% deliverable to EGLE in 2.5 months and are looking forward to construction this fall.

TRACK 8 – THURSDAY MORNING

9:35 AM

8.1. Strategic Planning for Small Systems

Gregory Pearson, MBA, Michigan Technological University

Attendees will learn how to construct a strategic plan for their system and how to assess the capacity and strategic position of their utility. Related topics covered include effective utility management; analytical tools to assess management, financial, and operational functions; and how to use benchmarking.

10:20 AM

8.2. Constructive Conversations with Community: Learning from Experience

*Jennifer Read, University of Michigan Water Center – Moderator
Kelsey Cooke, Oakland County Water Resources
Commissioner's Office*

*Pastor Douglas P. Jones, Greater Pontiac Community Coalition
Samarhia Giffel, City of Grand Rapids Water Systems
Wende Randall, Kent County Essential Needs Task Force*

In a recent (University of Michigan 2021) report examining statewide water affordability, key stakeholders representing community groups, water utilities, and municipal and state government shared their experience, expertise, and observations about water affordability and revealed often

starkly differing perspectives. This panel will tackle the importance of restoring trust between community and utility – why that trust is important, what value utility leaders and community members take from renewed/restored trust, and its overall importance to the holistic operation of the water service enterprise in a given community. Building on the affordability discussion at MI-ACE 2022, this panel session brings together utility leadership and community representatives to discuss the importance and operational value of investing scarce resources into deliberate and ongoing community engagement.

10:55 AM

8.3. WaterOperator.org – Online Support and Resources for Water & Wastewater Operators

Steve Wilson, University of Illinois

WaterOperator.org provides free resources from nearly 900 organizations (federal and state agencies, technical assistance providers, associations, etc.) that serve the water and wastewater industry. There are links to over 15,000 resources (handbooks, videos, manuals, guides, and websites) that cover every aspect of operations, compliance, capacity development, regulations, and best practices for both water and wastewater operators. The calendar provides links to every operator event in Michigan that provides continuing education credit all in one place. All information is free and publicly available for download. Additional resources include information about water industry careers, a free class about managing your groundwater supply wells and source water protection for groundwater aquifers (2 CEUs in Michigan), and a newsletter that provides useful links to vetted information every two weeks.

TRACK 9 – THURSDAY MORNING

9:35 AM

9.1. Water and Wastewater Policy Update

Mike Compagnoni, Midwest Strategy Group

Hear from Midwest Strategy Group about the state of water and wastewater policy in Michigan and how factors such as term limits and the turn of the majority have impacted the legislation that effects Michigan professionals most.

10:20 AM

9.2. Private Well Study Near Power Station

TBA, HDR Consulting, Inc..

A groundwater investigation has been conducted to evaluate the potential for groundwater to be impacted by the Coal Combustion Residuals ('CCR' or 'ash') impoundments at a retired power station in Lansing. Over 50 private wells were sampled, with the primary focus being on boron, lithium, and molybdenum, as these are commonly associated with coal ash. Other water quality parameters were analyzed to compare with analyses conducted at monitoring wells on the power station site.

10:55 AM

9.3. Valve Exercising 101: A Key Practice for Water Utilities to Ensure Optimal Performance and Water Quality

Deryck Freudeman, Xylem – Wachs Water Services

Water distribution system infrastructures are aging and becoming less reliable, leading to increased costs, risks, and reduced customer satisfaction. To address these challenges, many utilities are initiating asset inventory programs that use proven management strategies to improve efficiency and reduce failures. Some utilities have teamed up with experts in asset assessment to kick-start their renewal program, resulting in immediate improvements. These programs aim to document assets and improve operational intelligence to establish sustainable, predictable, and dependable system performance. The end game is to create a well-defined program that can be sustained by the utility.

TRACK 10 – THURSDAY AFTERNOON

1:35 PM

10.1. CSI: Fort Gratiot (GLWA's Forensic Investigation of the 120-inch Transmission Main Failure)

Scott Jauch, HDR

Olivia Olsztyn-Budry, Great Lakes Water Authority (GLWA)

Jerrold Wade, Great Lakes Water Authority (GLWA)

Great Lakes Water Authority (GLWA) owns one of the largest Prestressed Concrete Cylinder Pipe (PCCP) inventories in North America. Since leasing the system from Detroit Water and Sewer Department (DWSD) in 2015, GLWA has experienced multiple high-profile failures. In August 2022, GLWA experienced a main break on the largest transmission main in their system, their 120-inch PCCP transmission main, located in Port Huron, Michigan, and constructed in the late 1960s. This presentation will focus on the emergency repair and the forensic investigation into the failure, including onsite investigation and assessment of more than four miles of the 120-inch water main. In addition to a physical assessment of the pipeline, GLWA completed laboratory material analyses and a review of structural information to determine the root cause of the failure.

2:10 PM

10.2. How GLWA is Using Applied Science and Innovation to Improve and Extend the Life of Their Linear Assets

Susan Donnally, HDR's Water Business Group

Graham Bell, PhD, PE, University of Tennessee

John Norton, PhD, PE, Great Lakes Water Authority (GLWA)

The Great Lakes Water Authority (GLWA) strives to be an industry leader when it comes to the management of their buried infrastructure. This is evident based on the recent implementation of their Linear System Integrity Program (LSIP), which is focused on maximizing the life of their water transmission and wastewater collection piping through proactive assessment and repair. For the past five years, GLWA has been partnering with the University of Michigan (UM)

and Wayne State University (WSU) to advance the pipeline management industry through a collaborative research effort through the LSIP. The effort has included piloting several non-invasive techniques for managing their transmission system, allowing them to collect important data on the condition of their buried infrastructure while minimizing the impact on their member partners. This presentation will discuss how the collaborative research efforts by GLWA with UM and WSU may result in overall cost savings for the LSIP, as well as additional reliability within their transmission system.

2:45 PM

10.3. The Science of Mixing and Improving Water Quality in Water Storage Tanks

Mike Duer, Red Valve Co.

Kris Chenette, Red Valve Co.

David Purvis, DeZurik

Deterioration of water quality in finished water storage facilities is one of the most important issues facing water utilities, mostly due to recently promulgated regulations. The most common problem in reservoirs is the loss of disinfectant residual resulting from hydraulic short-circuiting, poor mixing and circulation, poor turnover, thermal stratification, and excessive detention time. This presentation discusses the fluid dynamic processes of short-circuiting and mixing in water storage tanks. Computational Fluid Dynamics (CFD) and physical scale modeling results will be presented to illustrate these characteristics.

TRACK 11 – THURSDAY AFTERNOON

1:35 PM

11.1. Lansing Board of Water & Light Wellfield Condition Assessment Program – Data Wrangling and Tool Development

Britton Evans, PE, Black & Veatch

Lansing Board of Water & Light continues to prioritize condition assessment and implementing measures to ensure their water production assets are maintained, and water is provided to their customers. Black & Veatch has proudly been a partner in these efforts since 2019, including the latest phase of evaluating BWL's supply wells. This phase culminates with the development of tools to organize the myriad of data and present it in digestible and meaningful ways to assist BWL in planning and improvement efforts now and into the future.

2:10 PM

11.2. The Deep End: Learning to Swim not Sink in Water

Rachel Zywieczynski, City of Grand Rapids Water System

Are you a manager who wants to invest in your new hire's water knowledge base but can't seem to find the time to teach them the basics? Are YOU a new hire wishing your boss would throw you a life ring to save you from drowning in the deep end that is the learning curve of this industry? Consider this session your own personal life jacket.

2:45 PM

11.3. Inflation Reduction Act (IRA) Project Funding Opportunities*Andy Campbell, CPA, Baker Tilly Municipal Advisors*

The Inflation Reduction Act (IRA), signed in August 2022, brought sweeping changes to how water and wastewater utilities evaluate project opportunities as the United States continues to push the energy transition. The IRA is the largest energy incentive legislative effort in US history, providing unique opportunities for public and private utilities. These tax credits can total as much as 50% or more of the qualifying project costs. Examples of qualifying projects are solar for water or wastewater treatment plants, waste energy recovery for wastewater treatment plants, and more. This presentation will provide an overview of the IRA, the utility sector's approach, and general trends as it relates to the IRA in the early stages.

TRACK 12 – THURSDAY AFTERNOON

1:35 PM

12.1. Lessons Learned from Compliance Sampling Under Michigan's Revised Lead and Copper Rule*Elin Betanzo, Safe Water Engineering, LLC*

In 2018, Michigan revised its Lead and Copper Rule (LCR) compliance sampling requirements to better represent the potential lead contribution from lead service lines (LSLs). The first year of compliance sampling revealed statistically significant higher detected lead levels, both at individual sample sites and in some water system 90th percentiles. In 2019, the percentage of public water systems with LSLs exceeding the lead action level (15 ppb) increased to 13% compared to 2% under the previous sampling protocol. This presentation provides an update on compliance sampling results and implications for compliance with the federal Lead and Copper Rule Improvements, as well as the reduction in the Michigan Lead Action Level to 12 ppb in 2025.

2:10 PM

12.2. Water System Partnerships: How Establishing a Committee Could Be the Bridge Between All Parties*Kayala Thomas, Metro Consulting Associates – Moderator**Damon Garrett, Metro Consulting Associates**Wayne Jernberg, City of Grand Rapids Water Systems**Brian Thurston, EGLE**Ronald Liscombe, Miller Canfield*

Kayala Thomas will facilitate a discussion focusing on the history of water infrastructure regionalization in Michigan, the negative opinions surrounding water infrastructure, and the creation of a water committee to oversee all aspects of the finalization of water regionalization.

2:45 PM

12.3. Tapping into the Urban Water Cycle for Youth Education Initiatives*Hillary Caron, City of Grand Rapids Water System**Alyssa Olson, Fishbeck*

The MI-AWWA/MWEA Youth Education Committee is dedicated to making access to water education equitable and engaging for all. Post-pandemic, the Committee has designed and implemented several water education materials and tools for water professionals to utilize. These include educational posters, a virtual water classroom, and a traveling water festival kit.

TRACK 13 – THURSDAY AFTERNOON GENERAL SESSION

3:30 PM

13.1. Water Partners*Jaime Fleming, City of Wyoming**Panelists, TBA*

The panel will focus on topics such as: how to identify areas of convergence and tension; how to lean into 'hard' conversations to build relationships and trust; how sharing information and personal experiences can help develop investment and shape policy; how to communicate effectively about water, infrastructure, and affordability; and how to create meaningful community engagement and support for water.

FRIDAY MORNING GENERAL SESSION

8:05 AM

14.1. Great Lakes Water Authority's Response to a Water Main Break on a 120-inch Water Transmission Main*James Messineo, PE, Arcadis – Moderator**Cheryl Porter, Great Lakes Water Authority (GLWA)**Michelle Zdrodowski, Great Lakes Water Authority (GLWA)**Todd King, Great Lakes Water Authority (GLWA)**Terry Daniel, Great Lakes Water Authority (GLWA)**Biren Saparia, Great Lakes Water Authority (GLWA)**Dave Miller, Shelby Township*

GLWA's ability to successfully manage an unprecedented 120-inch water transmission main failure connecting its Lake Huron Water Treatment Facility (WTF) to its member partner communities in the northernmost section of its water service area. The obstacles, solution development, and implementation will be examined for each facet of GLWA's main break, including member communities, operations of its WTFs and water system, execution of the repair, and how it was all communicated with member partners and the public.

9:05 AM

14.2. Engineering Ethics

Bill Fritz, City of Rochester Hills

Michigan Licensed Professional Engineers are required to earn at least two hours of continuing education in ethics during the 24-month renewal period. This presentation will satisfy 30 minutes of that two hours.

9:35 AM

14.3. Building Redundancy and Reliability into the City of Flint's Drinking Water System

Jason Kenyon, Wade Trim

The City of Flint continues to rebound from the 2014 public water crisis by completing needed improvements to its City-wide water system infrastructure. One major objective, to build long-term redundancy and reliability into the City's water system, was achieved in early 2022 with the construction of the secondary water supply. In addition, the City, in partnership with the State of Michigan, GLWA, Genesee County, and the Karegnondi Water Authority (KWA), constructed a new 5.5-mile pipeline to connect to a secondary water source. The new connection included infrastructure modifications for water blending at the City's water treatment plant as well as upgrades for flow monitoring and control, metering, instrumentation,

and SCADA for operations and joint monitoring by the City, County, and GLWA. This presentation will highlight the history, key issues, challenges, and stakeholder collaboration that took place over the multiple phases of the project, from concept to design to construction to operation.

10:30 AM

14.4. Detroit Water and Sewerage Department's Accelerated Lead Service Line Replacement Program

Bryan Peckinpugh, Detroit Water and Sewerage Department

The Detroit Water and Sewerage Department (DWSD) estimates there are more than 80,000 lead service lines delivering water to homes in Detroit. It has worked aggressively to develop a plan to replace those service lines – locating the lead service lines, securing funding to replace them, and enacting a service line replacement program that simplifies the process for residents to participate. These steps will allow DWSD to be well-positioned to comply with EGLE's 2040 deadline for replacing all lead service lines in Michigan.

11:00 AM

14.5. EGLE Regulatory and Department Update

Brian Thurston, EGLE

Update on priorities and activities at EGLE Drinking Water and Environmental Health Division.

11:30 AM

14.6. The West Michigan Water Career Program: A Year in Review

Hillary Caron, City of Grand Rapids Water System

In 2022, Grand Rapids Community College received a \$500,000 US Environmental Protection Agency grant focused on Water Infrastructure Workforce Development. Partnering with the City of Grand Rapids and Bay College, the Grand Rapids Public Services Departments created an innovative and equitable internship program and redesigned its K-12 education program to help build the talent pipeline for the water industry. Three major initiatives were implemented in the Grand Rapids community, The West Michigan Water Career Program, The Water Career Camps for 6th-9th graders, and Water Pool-ooza 2023! This presentation will discuss the successes and lessons learned and inspire water professionals across the state in ways to bring excitement to the water field in their own community!

12:00 PM

14.7. Closing Remarks

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GENERAL INFORMATION

Introducing the premium ticket – a one-stop conference option including meals. Additional registration options are available. Log in and see which registration is right for you. A late fee will be applied for registrations made after August 31, 2023.

Registration Type	May 1 - August 31, 2023 Member	May 1 - August 31, 2023 Non-Member
Full Conference – Basic	\$420	\$510
Full Conference – Retiree	\$300	-
Full Conference – Small System	\$300	-
Full Conference – Premium <i>Includes Wed/Thu/Fri Breakfast, Wed/Thu Lunch, and Thu Dinner</i>	\$600	\$690
Full Conference – Speaker <i>Speakers receive complimentary registration on the day of presentation only</i>	\$300	\$390
Exhibit Space	\$650	\$750
Exhibit Space with Conference Upgrade	\$750	\$850

Cancellation

Complete Substitution: If you are not able to attend, complete substitutes are permitted. No partial substitutions are permitted. Please email the substitution request to info@mi-water.org. Rates are based on membership status, so additional fees may apply.

If you must cancel, please notify MI-AWWA by email to info@mi-water.org.

1. If canceled by 4:00 pm on or before August 15, you will receive a full refund, less a \$35 processing fee.
2. If canceled after 4:00 pm on August 15 but before 4:00 pm August 31, you will receive 50% of the registration fee paid. There is no refund for purchased meals or special activities.
3. If canceled after 4:00 pm on August 31, or if you are a conference no-show, there will be no refund.

Continuing Education Credit

Continuing education credit approval is pending. When approved, attendees will be able to earn up to 1.6 CECs.

Event	Category	CECs	PDHs
Conference Sessions	Technical	1.6	16
Exhibit Hall	Other	0.1	1

Lodging Information

A block of rooms has been reserved at each of the following hotels:

DoubleTree Hotel is attached to the Blue Water Convention Center. Use code "MAW" to receive the conference rate. Call 810-984-8000 or visit www.porthuron.doubletree.com to reserve a room. Rate available until August 18, 2023, or until room block is sold out.

Fairfield Inn by Marriott is located 1.5 miles from the Convention Center. To reserve, call the hotel direct at 810-982-8500 and mention MI Section – American Water Works Association to receive the event rate. Rate available until September 5, 2023, or until room block is sold out.

Holiday Inn Express is a 5-minute drive from the Convention Center. To reserve, call the hotel direct at 810-662-3400 or visit the MIACE conference webpage for a direct link to the hotel's reservation page. Use code "WWA" to receive the event rate. Rate available until August 20, 2023, or until room block is sold out.

Hampton Inn is located 1.5 miles from the Convention Center. To reserve, visit the lodging link on the MI-ACE website (www.mi-water.org/mi-ace). The hotel also has a limited number of government-rate rooms. Rates are available until August 11, 2023, or until sold out.



REGISTRATION FORM

First Name _____ Last Name _____

First Name for your Name Badge _____ Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Email Address _____

Are you a first-time attendee? ☐ Yes ☐ No

Please select all that apply

☐ Yes – Drinking Water CECs (Include your DW Op ID)

☐ Yes – PDH

☐ No – I do not need CECS or PDH

Op ID _____

Would you like to be involved with a MI-AWWA Committee? ☐ Yes ☐ No ☐ Already Involved

I want to receive exhibit or sponsoring company materials via email ☐ Yes ☐ No

ADA/Diet Requests _____

Emergency Contact _____ Emergency Contact Phone _____

Consent for Use of Images

Attendance at or participation in MI-AWWA Trainings, Conferences, Social Events, and other Section activities constitutes consent by the registrant to permit American Water Works Association – Michigan Section to use and distribute both now and in the future the attendee's image and/or voice in photographs, videos, and audiotapes in print or electronically of such events and activities for any purpose consistent with the mission of the Section without limit or liability.

Cancellation Policy can be found online at www.mi-water.org/page/policyregcanx.

Ticket Type	Non-Member Fee before August 31	Member Fee before August 31	Cost
Attendee			
Full Conference			
<input type="checkbox"/> Premium	\$690	\$600	
<input type="checkbox"/> Basic	\$510	\$420	
<input type="checkbox"/> Small System Operator	\$300	\$300	
<input type="checkbox"/> Retiree	\$300	\$300	
One Day			
<input type="checkbox"/> Wednesday	\$350	\$300	
<input type="checkbox"/> Thursday	\$330	\$280	
<input type="checkbox"/> Friday	\$200	\$150	
Exhibitor			
<input type="checkbox"/> Space Only	\$750	\$650	
<input type="checkbox"/> Space + Full Conference Basic	\$850	\$750	
<input type="checkbox"/> Lead Retrieval	\$125 – add on	\$125 – add on	
Speaker/Moderator			
<input type="checkbox"/> Full Conference Basic	\$390	\$300	
One Day			
<input type="checkbox"/> Wed <input type="checkbox"/> Thu <input type="checkbox"/> Fri	\$0	\$0	
Opening Dessert Reception	<input type="checkbox"/> I plan to attend		included
Wednesday Happy Hour in Exhibit Hall	<input type="checkbox"/> I plan to attend		Included
MI-AWWA Annual Business Meeting	<input type="checkbox"/> I plan to attend		Included
George W. Fuller Luncheon (incl. w/ Premium)	\$45		
Women on Water Networking Breakfast	\$25		
Thursday Evening Networking Dinner and Yard Party (incl. w/ Premium)	\$55		
Total			

Please send the registration form and check to: MI-AWWA • Dept 6091 • PO Box 30516 • Lansing, MI 48909

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History in the Making

Michigan Leads

Michelle Zdrodowski, Trustee, and Stacey Kukkonen, Communications Coordinator

History was made at the American Water Works Association's annual winter meeting when the Board of Directors elected two women from Michigan to lead the Association, with one being the first African American president to date.

Cheryl Porter of the Great Lakes Water Authority was selected as the incoming President-Elect, and Christine Spitzley of OHM Advisors was chosen as a Vice-President at the annual meeting in Santa Fe, New Mexico. Both terms began in June at the AWWA Annual Conference & Exposition in Toronto, Canada.

"Cheryl brings to AWWA a wide range of experience, having superlative knowledge and skills from a technical, managerial, and business perspective," current AWWA President Joe Jacangelo said. "Her foresight and vision will be instrumental in guiding our Association's Water 2050 initiative and assuring success in meeting future water community challenges."

ABOUT CHERYL PORTER

Porter is the fourth person from Michigan to be elected to this position, in addition to being the first woman of color and first African American in the organization's 180-year history.

She is the chief operating officer of GLWA's Water and Field Services Area, where she oversees five water treatment plants and water transmission to the authority's member partner communities, ensuring GLWA's water consistently meets and exceeds all water quality standards and regulations.

Porter is an active member of AWWA, serving as a Michigan Section trustee (2018-2021) and sitting on the Section's Government Affairs Council. Porter also served as AWWA's Vice-President (2021-2022) and on AWWA's Board as Director-at-Large (2019-2022), as well as on its Finance Committee (2018-2021). In 2017, Crain's Detroit Business recognized her as one of Detroit's Notable Women in Leadership.

"I am honored to have been selected as the incoming President-Elect of the American Water Works Association," she said. "When people see me and look at my career path, I might not be what one would traditionally expect as the President-Elect of a national organization, but my non-traditional story began with a drop of water under a microscope in a Detroit Public High School and has spanned nearly three decades to



bring me to this barrier-breaking moment in the water sector. The focus of my leadership tenure at AWWA will center around three words that I believe exemplify what I have to offer the organization and its members – community (protecting public health, safety, and the environment), care (supporting my water sector colleagues through the myriad of challenges we all face), and commitment (collaborating to make a difference through innovation and advancement). I look forward to what we will continue to accomplish and to furthering important initiatives such as Water 2050, which I believe will help us build a better world through better water."

Porter provides leadership that's grounded in experience and manages engineers, field staff, and administrative and technical support personnel. Her broad knowledge base in the water service sector began at the Detroit Water and Sewer Department, where she was part of the team that helped establish GLWA in 2016.

Porter earned her bachelor's degree from the University of Michigan, an MBA with a concentration in human resources management from Madonna University, and a Juris Doctorate degree from the University of Detroit Mercy School of Law. She maintains State of Michigan operator certifications for both water distribution and complete treatment. Under her direction, GLWA's Water Works Park received the '2019 Directors Award for Water Treatment' from the Partnership for Safe Water.

BUILDING A LEGACY

Spitzley, along with MI-AWWA Secretary/Treasurer Jaime Fleming, introduced the Women on Water event at the Michigan Section's Annual Conference & Exhibits in 2009 with the idea to bring together and recognize women water professionals, which at the time was a much smaller demographic. Thinking about the women that came before her, Spitzley said the event was meant to celebrate the abilities and expertise women bring to the water industry.

"I want to be in a position where I can give back but also be there to support other women who want to choose water as a career," she said.

Spitzley and Porter will be featured at this year's Women on Water event at MI-ACE 2023 in September in Port Huron.

ABOUT CHRISTINE SPITZLEY

OHM Advisors Principal Christine Spitzley, AICP, has been a member of AWWA since 1994 and is currently serving as the Michigan Section's Director. She has also served as a Section Trustee (2002-2005), Chair (2018), and Secretary/Treasurer (2019-2022). She has been recognized by MI-AWWA with the Richard Husby Public Awareness Award, Chuck Van der Kolk Volunteer of the Year, Raymond J. Faust Award, and was the 2021 Fuller Award recipient.



In her unique role with OHM Advisors, Spitzley connects multiple firm disciplines, including the Environmental Water Resources Group, Planning, and Engineering. In this role, she is responsible for identifying project plans and synergies and connecting professionals among these teams. Her wide range of experience encompasses technology, health, water, air quality, solid waste, transportation, and economic development projects.

In addition to being a statewide leader in the field of water resources, Spitzley has more than 30 years of experience leading planning projects and teams. Prior to joining OHM Advisors, she worked with the Tri-County Regional Planning Commission as chief planner. She has helped local governments engage in collaborative regional planning efforts to develop and facilitate multijurisdictional projects creating long-term solutions and plans for shared regional issues. She is an expert in leading community consensus and communication.

With a bachelor's degree from Michigan State University in urban and regional planning, Spitzley is also a member of the American Planning Association, whose mission, "Creating Great Communities for All," complements AWWA's mission of a "Better World through Better Water." Both organizations align and support her professional passion to create and implement strategies for communities that are sustainable and economical. She believes success comes from building lasting relationships, committing to effective communication, and viewing projects through the lens of long-term impact.

Spitzley brings her wide range of experiences to her new role as Vice-President. She has spent her career building bridges between often disparate groups of stakeholders and leaning on a planning background that affords a unique viewpoint to solve problems creatively and collaboratively.

"Each professional brings a different perspective," she said. "As an organization, MI-AWWA has worked hard to communicate solutions to difficult and complex water and infrastructure issues to a wide range of audiences in our state. I look forward to sharing these efforts with utilities and communities across North America and discovering and bringing their ideas and innovations back to Michigan."

Regarding her election, Spitzley is grateful, saying it has allowed her to passionately champion communities and water as part of an industry of dedicated professionals.

LOOKING FORWARD

Porter and Spitzley kicked off their tenure at ACE in Toronto, having two water professionals representing Michigan.

"In Michigan, we are home to one of the largest freshwater supplies in the world, which is a valuable legacy we are all charged with protecting and managing," Spitzley said.

In recent years, Michigan has been at the forefront of many emerging challenges pertaining to water, and Spitzley said both women bring experience and a firm understanding of issues utilities face today. Porter, with a strong background in business and legal leadership, paired with Spitzley's illustrious years in planning and economic development, complement the water expertise they plan to bring to the Association.

"We bring a lot of that collaborative knowledge to share on the Association level," she said.

Spitzley looks forward to learning from other Sections, particularly pertaining to workforce development, emerging water issues, and water affordability balanced with sustainable, financially sound systems.

"People invested in me and MI-AWWA long before I ever considered doing this, and I want to be able to give that back," she said of her decision to serve on the Association's Board. "Michigan Directors have a long history of serving as Association Vice-Presidents, and I look forward to following this tradition." 💧



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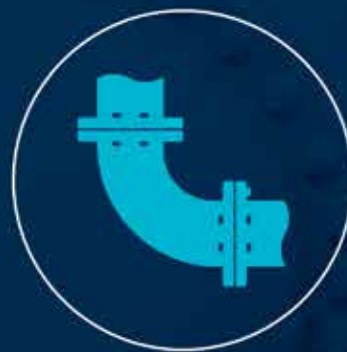
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WHAT EVERY OPERATOR MUST KNOW ASSET MANAGEMENT PLANS

Joel Martinez

Are you planning for the future? Making sure that your water system is resilient and capable of handling adversity? These are two extremely important parts of managing a water system.

Effectively managing a water system involves implementing and following a good asset management plan. Councils, boards, and managers alike all spend countless hours going over asset management plans. This is to ensure that their water systems will be upgrading critical equipment, expanding, and installing new technologies. Asset management shouldn't be limited to upper-level management, though. What every operator must know is that they are just as integral to a successful asset management plan as a water system superintendent.

Asset management plans have been mandated by the Department of Environment, Great Lakes, and Energy (EGLE) for a number of years now. Water systems are required to update them every five years, but asset management plans need to be living documents. These plans are the only way to ensure that your water plant is properly budgeting for future equipment upgrades and replacements. A living document is necessary because, as every operator knows, plans don't always go to plan. For example, a crucial piece of equipment scheduled to be replaced years later could fail and require replacement next month.

Operators and maintenance personnel are on the front line of asset management. They are the ones that see, hear, and actually place their hands on equipment and machinery every day. It is important for operators

and managers to have an open dialogue about their system's asset management plan. Managers should be letting operations and maintenance know what is being replaced and when. Operations and maintenance should be letting management know not only what equipment may need to be replaced sooner, but what pieces

of equipment due for replacement may have some more life in them. Make sure to talk about your asset management plan often. Don't just let it become another dusty book on the shelf. It needs to be every employee's responsibility to maintain a safe drinking water supply in their community for years to come. 💧



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Above the Bridge

In the **UP**, Where Water Is King

Stacey Kukkonen,
Communications Coordinator

More than 130 water professionals from across Michigan's Upper Peninsula (UP) and northeast Wisconsin gathered for the UP Spring Water Conference in April 2023 to hear about topics ranging from sampling and well rehabilitation to the Great Lakes Compact.

David Koch of Black & Veatch of Chicago presented an update on the compact, which is a formal agreement between the Great Lakes states and details how the states will work together to manage and protect the Great Lakes-St. Lawrence River Basin.

The Great Lakes Compact is two separate agreements, with the first being the Great Lake-St. Lawrence River Basin Sustainable Water Resources Agreement.

"It is actually a non-binding agreement that was made among the eight US Great Lakes states and two Canadian provinces," Koch said. "There is a regional body that governs that."

The second agreement is referred to as the 'Compact,' which is a binding interstate compact among US states governed by the Compact Council. The goal is to provide protection and sustainable use of the Great Lakes for future generations.



Attendees also spent time networking with exhibitors, which included Bay College, C2AE, Clow Valve, Core & Main, DN Tanks, Dorner, EJ, Etna Supply Company, Ferguson Water Works, Ford Meter Box, GEI Consultants, HydroCorp, HydroCorp Meter Sales, IDEXX Laboratories, JGM Valve Corporation, Michigan Rural Water Association, mPower Innovations, OHM Advisors, Sensus (A Xylem Brand),

Swan Analytical USA, UP Engineers & Architects, White Water Associates, and WickWire Solutions.

Five communities competed in the Water Taste Off for the Best Tasting Water in the UP, with Marquette Township taking the title this year.

Thank you to all the speakers for presenting and to those companies who sponsored the social hour. 💧



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ASSET AND INFRASTRUCTURE MANAGEMENT COMMITTEE

The Asset and Infrastructure Management (AIM) Committee recently hosted the Asset Management Seminar at the MWEA Office in Lansing. The seminar provided a broad range of topics coming from speakers with a vast amount of experience in the water and wastewater industry. There were speakers from all over the state and attendees from municipalities and consulting firms representing various-sized communities. Some notable topics from the seminar included 'Pricing and Programs to Improve Water Affordability' from Jan Beecher (Professor at Michigan State University), a panel of municipality owners discussing 'Moving Asset Management from Plan to Program,' an EGLE

update from Matt Staron and Brian Thurston, and many more interesting presentations. The full agenda can be found at www.mi-wea.org/docs/2023_Asset_Mgmt_FINAL_Agenda_4.19.23.pdf.

The Committee meets quarterly, with their next upcoming meeting scheduled for June 14, 2023. We are always welcoming new members and appreciate any experience or insight you are able to provide. The committee tends to focus more on linear assets as it relates to the water and wastewater industry. However, we are seeking the knowledge shared amongst the group and invite those who operate/maintain and manage vertical assets as well. 💧



TELL US WHAT YOU WANT IN TRAINING

Education and Training Council

The Education and Training Council is currently conducting a training needs assessment. Water professionals have the opportunity to weigh in on what works, what doesn't, what's missing, and what would be most helpful.

There are a number of ways you may participate in the assessment. All of this information is available on the website at www.mi-water.org/trainings.

Survey*

Operators – an opportunity for operators, both licensed and not, to share their thoughts on what they need.

Managers – an opportunity for managers with responsibility for allocating budgets for or otherwise authorizing employee training to share what they see as the greatest needs.

Focus Groups

East – ten seats are available to participate in a focus group on August 11, 2023, at 10:00 am.

West – ten seats are available to participate in a focus group on August 18, 2023, at 10:00 am.

Virtual – ten seats are available to participate in a virtual focus group being held on August 25, 2023, at 10:00 am.

Interviews

There are 20 spots available for one-on-one interviews being conducted throughout August and September.

Anyone participating in any aspect of the training needs assessment is eligible to be entered to win one of 20 gift cards. You may sign up for any of the above online at www.mi-water.org/training-needs-assessment.

If you have any questions or would like more information before committing, please contact council leadership at info@mi-water.org. 💧

**If you would prefer a hard copy of the survey, please email the staff at info@mi-water.org, and one will be mailed to you.*

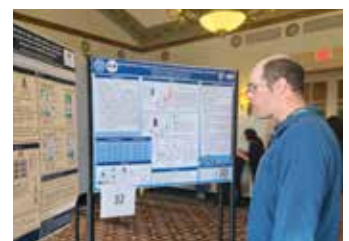
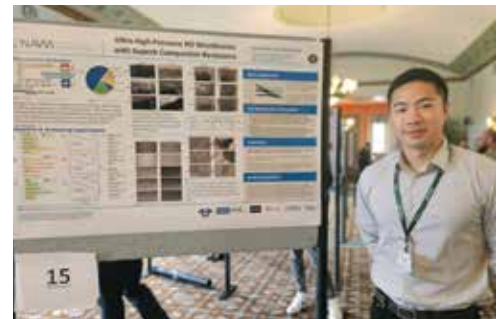
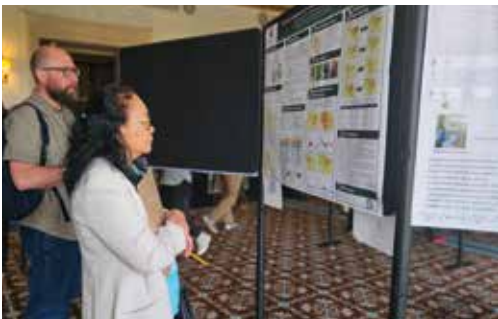
ROBUST PROGRAM AT 26TH BORCHARDT CONFERENCE

The Borchardt Conference, a triennial event co-hosted by the University of Michigan, MI-AWWA, MWEA, EGLE, and Michigan State University, moved from February to May this year. Academicians from across the country presented on a wide range of topics in water and wastewater, while graduate and PhD candidates had the opportunity to do poster presentations.

The conference draws a diverse group of engineers, scientists, public health specialists, and students. The event emphasizes applied research and real-life experience in environmental engineering and water utility operations.

The Borchardt-Glysson Water Treatment Innovation Prize was awarded to Detlef Knappe, the S. James Ellen Distinguished Professor of Civil Construction and Environmental Engineering at North Carolina State University. The award recognizes a professional whose accomplishments in the water or wastewater treatment fields have been particularly influential. Dr. Knappe presented on unregulated contaminants during the conference.

The Jack A. Borchardt Award was presented to Lina Belia. This award honors the memory of Jack Borchardt, for whom the conference is also named. 💧



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2022 COMMUNITY WATER FLUORIDATION 50-YEAR AWARD

Michigan Department of Health and Human Services (MDHHS)

The Michigan Department of Health and Human Services (MDHHS) Oral Health Program announced today that Baraga, Owosso, Ravenna, South Lyon, and Wakefield public water systems have been awarded the **2022 Community Water Fluoridation 50-Year Award** from the American Dental Association (ADA), Association of State and Territorial Dental Directors (ASTDD), and Centers for Disease Control and Prevention (CDC) for continuously adjusting and maintaining the amount of fluoride in drinking water for the prevention of tooth decay in adults and children. This award recognizes those communities that achieved excellence in community water fluoridation by maintaining a consistent level of fluoride in drinking water for fifty consecutive years, starting in 1972.

For 2022, a total of 106 public water systems in 26 states received these awards, including the five communities in Michigan. Nationally, nearly three-quarters (74.4%) – or over 211 million people – served by community water systems have access to optimally fluoridated tap water.

Congratulations to all water systems that have continued to fluoridate and meet challenges head-on for the benefit of residents in our state. The individual water system awards will be coming later this fall from the CDC.

As a reminder, the MDHHS Oral Health Program has grant funds available to give for Fluoridation Equipment Replacement and Start-up for new systems. Contact Sandy Sutton at suttons2@michigan.gov for further information. 💧

'KNOW YOUR WATER' TOOLS AVAILABLE

Department of Environment, Great Lakes, and Energy

When Michigan's Department of Environment, Great Lakes, & Energy adopted the new Lead and Copper Rule several years ago, one of the requirements was the establishment of the statewide Drinking Water Advisory Council. The SDWAC recently rolled out its toolkit to educate customers on lead in drinking water. Please visit <https://tinyurl.com/4v395uny> for more information. 💧



EDWARD DUNBAR RICH AWARD – CALL FOR NOMINATIONS



Every year the Michigan Department of Environment, Great Lakes, and Energy (EGLE), along with the Michigan Section of AWWA, presents the Edward Dunbar Rich Service Award at the Michigan Section, AWWA Annual Conference. This award is presented to water utility personnel who have

served meritoriously and faithfully for 25 years in the waterworks industry in Michigan.

We honor the memory of Edward Dunbar Rich, an author, Professor of Civil Engineering, Major in the Sanitary Corps, and State Sanitary Engineer of the Michigan Board of Health, by recognizing water utility personnel for their dedication to the industry.

Award applications are now being accepted, with an application deadline of July 15, 2023. Please visit www.michigan.gov/communitywater for more information on the Edward Dunbar Rich Service Award and the nomination form. 💧



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OFFICIAL MEMBER NOTICE: ANNUAL BUSINESS MEETING AND BOARD NOMINATIONS

This is an official notification to Michigan AWWA members.

The annual business meeting is scheduled as follows:

Thursday, September 14, 2023
8:00 am - 8:20 am
Blue Water Convention Center
800 Harker Street
Port Huron, MI 48060

All members in good standing are eligible to attend the business meeting. The meeting is being held in conjunction with the Annual Conference & Exhibits (MI-ACE 2023). Registration for the conference is encouraged but not required to attend the business meeting.*

Annual Business Meeting Agenda

Chair's Report

2023-2024 Nominations

- Chair-Elect – Rick Solle, Plainfield Township
- Trustee 2023-2026 – James Cassel, EJ
- Trustee 2023-2026 – Dan Sroka, Trace Laboratories

Conference Update

Membership Update

Treasurer's Report 💧

**If you would like to attend the annual business meeting only and do not plan to register for MI-ACE 2023, please RSVP your intention to participate in the business meeting by emailing info@mi-water.org.*

WELCOME TO THE SECTION'S NEW WEBSITE

Stacey Kukkonen, Communications Coordinator

We have a brand-new look and updated technology in an effort to better serve all our members and streamline your member information in one easy-to-use experience for you. We hope that you'll enjoy it as much as we do.

To get the most out of your member experience, you will first need to create a new login. Your previous username and password will not work on the new website.

With your new login, you will be able to register for events, update your profile information, see your CECs, view/pay invoices, and so much more.

Follow these steps to get logged in for the first time. Once you're in, you're in!

- To create your new login, visit www.mi-water.org/login. Enter your email and follow the prompts.
- If the email entered is connected to your profile, you'll be prompted to set your new password.
- If we do not have the email on file in our new system, you'll be prompted to create a new account.

Need some assistance? Scan this QR code to watch a quick how-to video:



Once logged in, you'll be taken to your *Member Compass* – your new member portal. Be sure to update your profile and add a headshot. Since our new website is more interactive, you'll see many new and familiar faces.

Our website isn't the only thing evolving. Have you noticed a difference in Section emails? Or perhaps you haven't seen them at all? No sweat – we'll show you how to be sure you're still receiving all the latest news from the Michigan Section. Note: emails from the Section will have the host server Constant Contact at the bottom. Visit www.mi-water.org to learn how to add the Section to your safe sender list.

On the main page of the new site, membership, events, water news, careers, and resources are featured.

Membership:

- Check out the new photo gallery
- Find ways to get involved
- Learn more about councils and committees
- Locate the member directory
- See the awards and contests

Events:

- Peruse the calendar of events
- Read up on training information
- Visit the conference landing pages

Water News:

- Be informed of news around the State of Michigan
- Download the latest issues of *Water Works News*
- Get a sneak peek of the upcoming podcast

Careers:

- Find a job
- Post an opportunity

Resources:

- Learn about advocacy for water
- Apply for scholarships and fellowships

This is only the beginning. Keep an eye on the website for all the exciting changes coming this year. 💧

NOMINATING COMMITTEE ANNOUNCES BOARD SLATE

Christine Spitzley, Principal, OHM Advisors, MI-AWWA Director

2023 Nominations

The Nominating Committee has completed this year's process for recruiting and selecting new MI-AWWA Board members. The Committee selected three candidates to fill the open positions on the Section Board. The positions include the Chair-Elect and two Trustee positions, each with a three-year term.

The Committee would like to thank the nominees who submitted their names for consideration. The Committee is pleased to nominate the following individuals for the three available positions.

- **Rick Solle, Plainfield Charter Township: Chair-Elect**
- **Dan Sroka, Trace Analytical Laboratories, Inc.: Trustee 2023-2026**
- **James Cassel, EJ: Trustee 2023-2026**

Meet the Nominees

Rick Solle, Plainfield Charter Township: Chair-Elect

Rick Solle is currently the Director of Public Services for Plainfield Charter Township. Part of his daily duties includes oversight of the Plainfield Township water distribution system and their 16 MGD water treatment plant. Rick has been working for Plainfield in this capacity since 2008. Rick grew up in the Grand Rapids area and got his bachelor's degree in civil engineering from Calvin College. Out of college, he worked for the engineering firm Prein & Newhof for about ten years. As a professional engineer at Prein & Newhof, he worked primarily with clients on water and sewer projects throughout West Michigan. Over the past five years, Rick has been heavily involved with the impact of PFAS-contaminated groundwater both in and around Plainfield Township. Expanding the water distribution system and improving groundwater treatment have taken up most of his time.

Rick lives in Byron Center with his wife of 27 years. He has three grown children and enjoys vacationing with his wife and golfing when he can.

Rick has been a member of AWWA since 2008, has been a Trustee on the Board for the last three years serving as liaison to the Communications Council and as a member of the Finance Committee, has worked as a volunteer on several MI-AWWA projects, and has presented at numerous conferences. He is looking forward to continuing in a leadership role in the organization and truly appreciates the support in this nomination.



James Cassel, EJ: Trustee 2023-2026

James Cassel is the District Manager for Michigan at EJ and has been with the company for over eight years. EJ is an industry leader in infrastructure access and water distribution products. James is passionate about the water industry and brings a valuable perspective on manufacturing.



Prior to joining the team at EJ, James spent many years in Project Management for the heavy civil and underground utility contracting industry. A degreed civil engineer from Lawrence Technological University, he brings more than 25 years of experience to the MI-AWWA Board. He is currently a member of the Manufacturers Advisory Committee. He is also a member of APWA and ASCE.


James lives in Clarkston with his wife, daughter (a Michigan State University student), and son. He welcomes the opportunity to further serve MI-AWWA as a Trustee.

Dan Sroka, Trace Analytical Laboratories, Inc.: Trustee 2023-2026

Dan Sroka has worked in Environmental Laboratory Sales for more than five years. He has been the Business Development Specialist of Trace Analytical Laboratories since 2018 and has been responsible for growth, more than doubling in size by client relationships and the number of employees within the last five years.

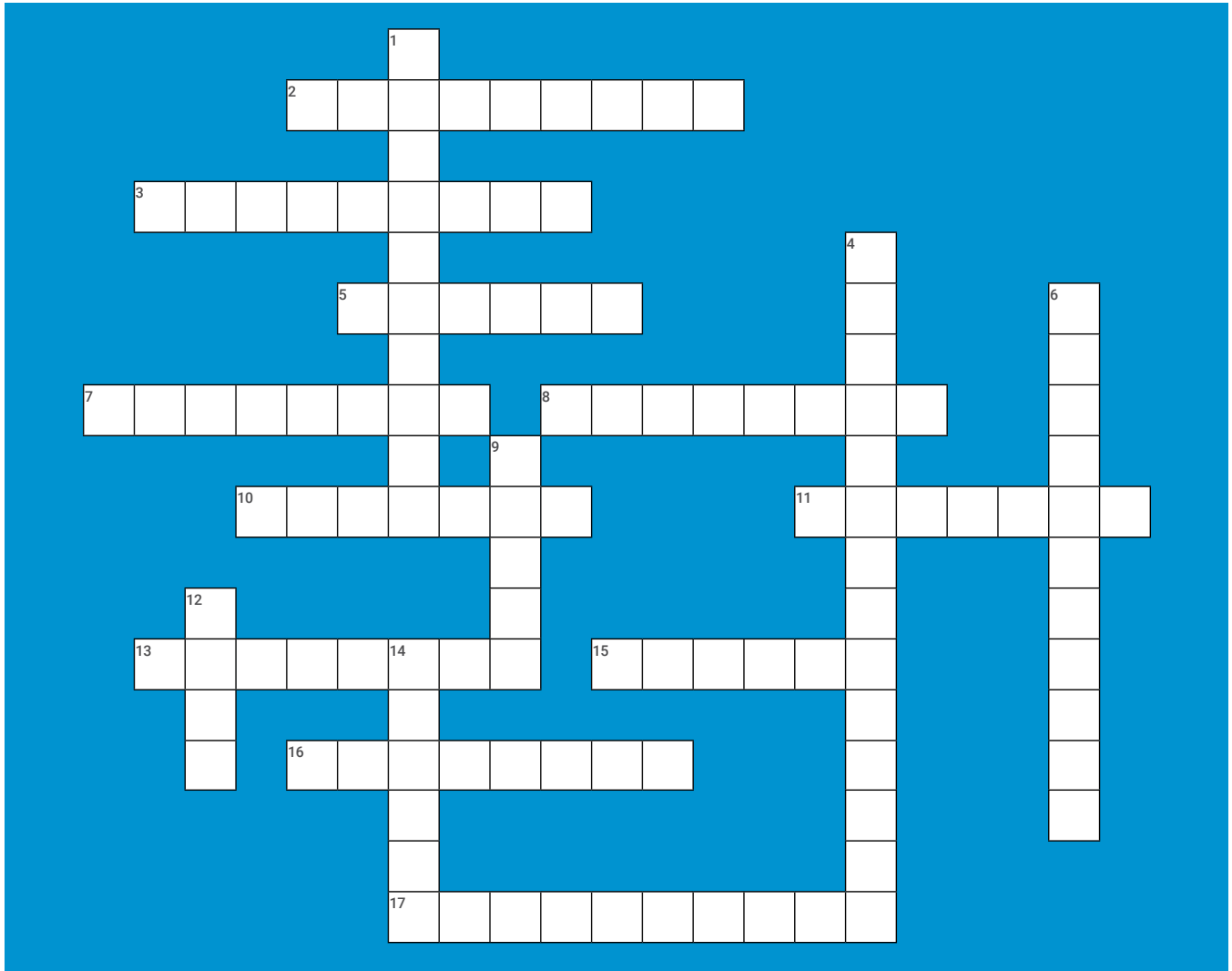
As part of growing Trace Labs, Dan has worked hard to support current and new client relationships in our industry through networking amongst several memberships, including the MI-AWWA, MWEA, MRWA, APWA, and several others.

Dan is currently the Chair of the MI-AWWA/MWEA Joint Lab Practices Committee and is active in several other committees between MWEA and MI-AWWA. He has recently earned the Chuck Van Der Kolk Volunteer of the Year Award, presented in 2021 by the MI-AWWA, and the New Professional of the Year Award, presented by the MWEA in 2022.

He resides in Norton Shores, located in West Michigan, and is blessed by his wife, Stephanie, and five daughters, Samantha, Piper, Olivia, Emily, and Maggie. When Dan isn't working hard for Trace Labs, you'll find him enjoying time with his family fishing, boating, or up in a tree hunting for the '30 Pointer.' 



CROSSWORD: ALL ABOUT MICHIGAN'S UPPER PENINSULA



ACROSS

2. The Michigan counties in the central time zone all border _____.
3. _____ County has the largest population.
5. _____ Harbor is the farthest town from an interstate highway in the continental United States.
7. _____ County has the smallest population.
8. Over 30 sunken ships can be located in _____.
10. The largest inland lake in the Upper Peninsula is Lake G_____.
11. _____ is home to George Gipp, aka "The Gipper," who was Notre Dame's first All American player.
13. There are 15 _____ in the Upper Peninsula.
15. "Anatomy of a _____" was a famous book written by a Michigan Supreme Court Justice about the UP.
16. The Upper Peninsula is connected to the Lower Peninsula via the _____ Bridge.
17. There are over 3,000 miles of groomed _____ trails.

DOWN

1. _____ National Park, part of Michigan's Upper Peninsula, is the least visited national park in the country due to its remote location.
4. The state gem is _____, which is commonly known as "Michigan Greenstone" and found largely in the Upper Peninsula.
6. _____ Falls is the third most voluminous waterfall east of the Mississippi River, after Niagara Falls and Cohoes Falls.
9. There are nearly 400 species of _____ in the UP.
12. The Upper Peninsula has _____ counties that lie in the central time zone.
14. The most snowfall in the Keweenaw in one year was 365 _____.

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ROOM RATE: \$85 / NIGHT

DATES: AUGUST 7-10, 2023

GROUP CODE: TRI2023 (1ST THREE ARE LETTERS, LAST FOUR ARE NUMBERS)

CUT-OFF DATE: 7/14/2023



GOVERNMENT AFFAIRS COUNCIL

This spring was busy for the Government Affairs Council (GAC) with legislative outreach events in Washington, DC, and Lansing. The legislative discussions included a wide range of subjects, including PFAS, water sector cybersecurity, and water affordability.

In March, AWWA hosted the annual Water Matters! Fly-In, where approximately 140 members from throughout the US spent two days meeting with members of Congress in Washington, DC, to discuss policy issues affecting the water industry. The Section sent delegates to meet with Michigan senators, representatives, and congressional staffers. The topics this year reinforced the legislative requests from previous years. The first request was for a liability exemption under CERCLA (*Comprehensive Environmental Response, Compensation, and Liability Act*) for water utilities that follow applicable laws and regulations in the event of PFAS contamination. This is in line with the 'polluter pays' principle of environmental cleanup. The week prior to the Fly-In, the EPA had proposed National Primary Drinking Water Regulations (NPDWR) for six PFAS compounds, so many congressional offices had questions. The Michigan delegates were able to answer many of them and provide additional resources. The second main issue was cybersecurity in the water sector. AWWA has been recommending a co-regulatory approach to the problem for more than a year. This model would include both industry experts and government officials, similar to the model used to regulate cybersecurity in the energy industry. The timing could not have been better for the topic, as the EPA had just released a requirement that state regulatory agencies include cybersecurity evaluations as part of Public Water Sanitary Surveys. The delegates were able to discuss with regulators AWWA's stance on why sanitary surveys are *not* the correct mechanism for promoting cybersecurity. AWWA expressed that



they want to work with legislators and the EPA to create a workable solution to cyber risks moving forward. Overall, the trip to Capitol Hill was successful, where the delegates strengthened relationships with the congressional offices and where both legislators and AWWA learned about each other's water policy priorities.

In April, delegates from the Michigan Section spent a day with legislators, but this time on the state level in Lansing. The Section paired up with delegates from the Michigan Water Environment Association (MWEA) to talk about issues that affect both groups locally. They spoke to representatives and senators about the importance of sustained funding for the water sector after the dollars from the *American Rescue Plan Act* and the *Bipartisan Infrastructure Law*

have been exhausted. The need for a statewide Water Affordability program was discussed, along with details of various affordability-related bills that are in draft form at the moment. Lastly, the delegates discussed the industry's commitment to providing safe, reliable, and affordable water to its users. The meetings were well received, and many legislators expressed interest in working closely with AWWA on water policy.

If you would like more information about AWWA's position on these topics, they can be found at www.awwa.org/policy-advocacy/awwa-policy-statements. The Michigan Section Government Affairs Council is currently working to tailor a Michigan-specific set of policies and hopes to have this available on www.mi-water.org by the end of the summer. 💧

LAB PRACTICES JOINT COMMITTEE WITH MI-AWWA AND MWEA

Dan Sroka, MI-AWWA/MWEA Joint Lab Practices Committee Chair

Greetings from the Joint Lab Practices Committee! We have some exciting news to share about our upcoming seminar on Wednesday, November 8, 2023. We have secured our headline speaker Toni Glymph, who will discuss 'Microbiological Monitoring of PAOs and GAOs in Biological Phosphorus Removal Processes.' Toni has always been an exciting and engaging speaker for us in the past, and we're looking forward to seeing her this year. This year's

seminar will be held at the Eagle Eye Golf & Banquet Facility located in East Lansing and will provide up to 0.6 CECs for our attendees. Please save the date on your calendars.

If you or someone you know works in or around a laboratory, wastewater, drinking water, DPW, etc., please spread the word that the Lab Practices Committee is growing and looking for new members to share in the peer-to-peer networking

and outreach of our committee. We would love to have all professionals, including operators, superintendents, laboratory techs, managers, vendors, and basically whoever works in or around a laboratory. Please reach out to MI-AWWA if you are interested in checking out a meeting or joining our committee. Meetings are held on the second Thursday of every month.

Have a safe and intentional day, keep your head up, and stay in the lead! 💧

MI-AWWA/MWEA JOINT MAINTENANCE COMMITTEE

The MI-AWWA/MWEA Joint Maintenance Committee is active and is seeking new membership from maintenance professionals. We have been meeting about every six weeks in person with a Zoom call running to accommodate any participants that cannot travel to the meeting.

We are currently in the process of planning our Maintenance Seminar that

will be held on October 25, 2023. The seminar will be in person at a yet-to-be-determined location. Our seminar last fall featured hands-on demonstrations, and we plan to incorporate that again this year.

A large part of the committee is networking among maintenance professionals. We try to create a fun environment and usually will have a

group activity planned after our meeting to facilitate networking.

Any individuals that are interested in getting involved should reach out to Chair Jeff Pugh at jpugh@fveng.com or Co-Chair Tony Cecchini at tcecchini@waterworkssystem.com for more information or to get onto the committee roster. 💧

EDUCATION AND TRAINING COUNCIL

The Education and Training Council (ETC) has been working to ensure that the trainings and classes that Michigan water professionals are taking are

the best in the business. The council and all of its committees have been generating new material for classes and developing exciting new ways

to learn. As a result, a number of new programs will be available soon, and an exciting new exam prep program is in the works! 💧

"THE COUNCIL AND ALL OF ITS COMMITTEES HAVE BEEN GENERATING NEW MATERIAL FOR CLASSES AND DEVELOPING EXCITING NEW WAYS TO LEARN. AS A RESULT, A NUMBER OF NEW PROGRAMS WILL BE AVAILABLE SOON, AND AN EXCITING NEW EXAM PREP PROGRAM IS IN THE WORKS!"



LEADERS AND MANAGERS (YOUNG PROFESSIONALS SUMMIT 2023)

There's a magic little part of California where In and Out Burgers try their best to live up to its Midwest cousin – the Culver's ButterBurger, where mermaids swim in tanks above the bar (yes, this is a thing), but more poignantly – where water sources become more unstable every year. It's fitting that Young Professionals gathered for the annual YP Summit and AWWA Leadership Day in Sacramento, CA.

I could recap for you every session I witnessed at the Summit or recall the connections I made with YPs from Alaska or Hawaii. Then I could tie this article up in a bow by saying we are the future of this industry, holding the answers in our developing professional careers – which is a very true statement, and many wise, seasoned professionals repeated this phrase during the Summit – but what I believe requires space in this article is often overlooked: How my generation (Millennials and Gen 'Z-ers') will survive being the future of this industry.

Today (and just TODAY, not ten or even twenty years from now), we

are faced with aging infrastructure, emerging contaminants with new regulations/treatment requirements, lead service line replacements, and affordability issues. Don't forget to sprinkle in some cyber security concerns and a dash of impending climate change just to add a few black holes of problems within problems.

In this age of uncertainty, how do we move forward? More importantly, how do we prepare for this responsibility?

My conclusion after the YP Summit? **Young people must start being leaders now.**

In my favorite session of the week, the facilitator, Tim Worley, with Ortega Strategies Group, addressed the many *differences* between leaders and managers, a few listed below:

- Leaders coach; managers direct.
- Leaders have power by influence; managers have power by position.
- Leaders problem-solve; managers report out.
- Leaders focus on vision; managers focus on providing structure for vision.
- Leaders develop; managers maintain.

- Leaders see what and why; managers see how and when.

Now, right off the bat, it seemed to me like Tim was giving managers a really, really tough time, but let me try to defend him here. All leaders cannot be managers, and managers don't always lead; however, having both a leader and manager on a team is extremely valuable, especially if they work together! Vision requires structure to come to life, just as ideas without follow-through never leave the drawing board. Leaders without managers on their team of supporters will often find their efforts unfruitful.

At the YP Summit, I spoke with so many young leaders that wanted to create change. Yet, from a lack of time, respect, or support, these dreams never gained traction. This phenomenon is not uncommon, and I'm starting to become concerned for the leaders of my generation. I am concerned that willpower to innovate and be changemakers will lose out to a culture of imitation, maintaining, and conforming to the standards of the prior generations. But as Einstein said, "We cannot solve our problems with the same thinking we used when we created them."

Managers of the here and now need to think long-term about building up the next group of decision-makers. This is not a foreign concept to many of us, but it may be one we groan about or associate with grueling strategic planning meetings. I encourage you to seek out your future leaders, invest in them, invite them to have a seat at the table, and genuinely ask for their input. Leadership progression needs to happen sooner rather than later to prepare young professionals for the future that awaits us in this industry.

To the young professional **leaders**, if you aren't creating change, it's not too late. Begin with your end goal in mind, learn from your setbacks and mistakes, and ask "why" a lot. We'll all be glad you did. 💧



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LEADERS GATHER TO ASSESS AND PLAN

Members of MI-AWWA Councils and the Board of Trustees met in East Lansing in May to assess the organization's progress in the strategic plan and to plan for the remainder of this year and into next year.

Board Chair Wayne Jernberg welcomed everyone with remarks about empowerment, and then the group dove into the work councils, committees, and what other volunteers are doing. The discussion revolved around how better to collaborate across volunteer groups and with outside partners.

The one-day event concluded with leaders learning about MI-AWWA's new website and how to best leverage the working space available. 💧





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MI-AWWA MOVING INTO UPDATING STRATEGIC PLAN

MI-AWWA's current strategic plan was completed just as the pandemic shut everything down. Volunteers and staff have been working hard since then to realize our goals. Strategic plans have historically been 3-5 years. Today, plans are more like 2-3 years. The landscape is changing more often than in the past, and organizations, including MI-AWWA, must be able to adapt to that changing landscape. Leadership has reviewed the

plan annually since its adoption in 2020 and made some small tweaks. Now, it is time to check in with members.

Because MI-AWWA is member-driven, the strategic planning process must include input from as many members as possible. Over the coming weeks, you will see a survey as well as listening sessions that will be held throughout the state to gather input about the environment in which all of us are now operating and

to better understand the critical issues facing water professionals.

Keep your eyes open for emails that invite you to participate in those discussions. Your input is vital to ensuring MI-AWWA has an insightful and meaningful plan that takes us into the future. 💧

See the current strategic plan online at www.mi-water.org/about-us.

BEST TASTING WATER – REGIONALS



The Spring Regional Meetings of the Michigan Section of the AWWA have come and gone, and interlaced between engaging speakers and fascinating topics, we have crowned the 'Best Tasting Water' in each of our five regions. We had competitors in all five regions bring their best bespoke dihydrogen monoxide for judging against their peers. At stake was a spot in the State Taste-Off to be held this fall and local bragging rights.

Our five regional champions are all outstanding water supplies who fended off intense competition en route to their regional wins. In the Upper Peninsula, **Marquette Township** stood alone as the best water in the UP. In Livonia,

the **City of Ann Arbor** added another regional championship notch to its belt. In Kalamazoo, the host City, **City of Kalamazoo – Central Station**, bested the most crowded field of competitors (seven entries) to take home the hardware. In Gaylord, **Mancelona Area Water & Sewer Authority** continued its legacy of great water. Finally, in Mt. Pleasant, **East Lansing-Meridian Water and Sewer Authority** stood alone as the best in the center of the state. This is a great mix of some fresh faces and perennial powers and proves again that the water talent in this state is deep and far-reaching. Congratulations to all five regional champions!

These five regional champions will face off at the Michigan Section of the American Water Works Association's Annual Conference & Exhibits, September 12-15, 2023, in Port Huron to determine who will be named 'Best Tasting Water' in Michigan. The 2023 State Champ will represent the Section at AWWA ACE in Anaheim, California, June 10-13, 2024!

Thanks to everyone who competed in Spring Regionals this year, and congratulations, again, to our regional champs. I hope to see you in Port Huron this September!

Are you interested in joining the Best Tasting Water Committee? Email the staff at info@mi-water.org for more information. 💧



GROWING YOUR WORKFORCE

Water supplies, engineering consulting firms, and other vendors who service the water sector all face workforce challenges. Filling open positions was identified at the UP Spring Water Conference as one of the most critical issues facing water supplies in Michigan's Upper Peninsula.

MI-AWWA identified workforce issues as a key strategic issue and has been working on multiple fronts to help systems address this challenge.

COMMITTEE WORK

There are several committees working on different aspects of workforce development.

Industry Recruitment Committee

This committee's goal is to promote careers in the water sector through a number of events, including regional and statewide career fairs.

Youth Education Committee

A joint committee with MWEA, this committee's goal is to promote the water sector in elementary through high schools with the intent of increasing awareness of the opportunity for jobs

in the sector as well as general water use and issues. Additionally, supporting teachers for water education purposes.

Young Professionals Committee

This committee is focused on new member engagement and placement into other committees. If you are new to the industry or if you are just getting your career started, the YP Committee will help with networking, continuing education, and personal/professional growth. This committee hosts several networking events, plant tours across the state, fundraisers, and community awareness events. There are also public speaking opportunities and educational resources.

DEI Committee

This committee is focused on raising awareness about diversity, equity, and inclusion issues in the water sector as

well as helping members to understand how to best incorporate DEI into their workplaces. The committee hosts virtual discussions to provide space for sharing and workshops to help water professionals learn how DEI can be leveraged to help attract and retain talent.

Building a pipeline takes time and resources. Several larger utilities have invested in mentoring or apprentice programs to help cultivate the next generation of workers. There are also several organizations, large and small, that have found creative ways to attract and retain talent. A few of those were highlighted during the January Water Solutions webinar.

MI-AWWA continues to explore other ways to help attract talent to the sector. If you have ideas or lessons learned, please let us know. Email your thoughts to info@mi-water.org. 💧

A GROWTH MINDSET FOR GROWING YOUR WORKFORCE (A DEI WORKSHOP)

July 27, 2023, in Grand Haven, MI.
Register online at www.mi-water.org.



IN MEMORIAM



The passing of Diana J. Paul on May 4, 2023. Diana was a 30-year employee of the Lansing Board of Water & Light before her retirement. She was hired as a temp but moved into supervising the water department, then electric, then water and electric before creating the Customer Projects Group and finishing her time overseeing vegetation management. Diana was also one of the first on the Ladies' Tapping Team for BWL, paving the way for future ladies to compete.



The passing of Delbert Lee Cater on May 17, 2023. Delbert was hired as a Boiler Room Helper at the Ottawa Power Plant in 1965, his career progressed throughout the years, and he retired in 1995 as a Production Maintenance Supervisor after over 33 years of service at the Lansing Board of Water & Light; Lansing, Michigan.



The passing of Jack Wicker on May 26, 2023. Jack was an Electric Lineman who started at Lansing Board of Water & Light in 1967 and retired as an Overhead Supervisor in the Line Construction Department in 1994. 💧



WELCOME NEW MEMBERS

Members who joined February 1, 2023, to May 31, 2023.

Brooke Ballard, Great Lakes Water Authority

Adam Barnier, City of Kalamazoo – Department of Public Services

Mark Bassett, Village of Bellevue

Theresa Bastedo

Joseph Callahan, C2AE

Kimberly Calloway, Detroit Water & Sewerage

Dan Christian, Tetra Tech

Timothy Cockroft, Northern Pump & Well

Terrell Dixon, Presidential Construction Inc.

Susie Drust, City of Kalamazoo – Department of Public Services

Jordan Edwards

Eric Griffin, Great Lakes Water Authority

Gull Lake Sewer & Water Authority

Lindsey Hakala, OHM Advisors

Ashley Hendricks, C2AE

Terrance Hill, Detroit Water & Sewerage

Susan Homer, Michigan Technological University

Erika Ignace, MI-AWWA

Latoniya Jones, Detroit Water & Sewerage

Alex Keen, New Buffalo Township

Madison Charter Township

Mark Martin, Hydro Designs, Inc.

Ernesto Martinez Paz

Jason Matthews, Great Lakes Water Authority

Kenneth Miller, DWSD

William Patterson, Detroit Water & Sewerage

David Raak, Holland Charter Township

Lloyd Scott, Village of Burr Oak

Ravelle Shepherd, Deloitte

Elissa Soto, Grand Rapids Water Department

Derek Spilak, Lyon Township

Dennis Spitler, Village of Brooklyn

Wayne Tuff, Detroit Water & Sewerage

Alexis Ware, Detroit Water & Sewerage

Timothy Watterson, Madison Charter Township

Wendy Welser, Veolia North America

Nick Wildey, Plainfield Charter Township

Dawn Williams, Board of Water and Light

Tim Wilson, Veolia Water – City of Alpena WTP

Jeff Wright, HydroCorp

Meicai Xu, Michigan State University



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A FEW TOPICS OF INTEREST FOR UP WATER SYSTEMS

UP Water and Sewer Rate Survey

The EGLE Marquette District recently mailed the 2022 UP Water and Sewer Rate Survey to Upper Peninsula communities. We complete the survey every five years for the UP; ninety water and sewer systems participated in 2022. The survey is based on 5,000 gallons of monthly water use. It provides an annual water and sewer cost for a residential customer as a percentage of the US Census Median Household Income. The Rate Survey provides water and sewer combined cost, water cost only, and sewer cost only. For 2022 the average cost for 5,000 gallons of water in the UP was \$56.25, compared to \$46.50 in 2017, a 21% increase. For sewer, the average cost for 5,000 gallons was \$59.85, a 35% increase from \$44.15 in 2017. If you would like a copy of the Rate Survey, please email flaminio@michigan.gov.

Grants and Loans

EGLE's Drinking Water State Revolving Fund (DWSRF) has one year under its belt with the infusion of funding from COVID-19 relief funds (*American Rescue Plan Act* [ARPA]) and the federal *Bipartisan Infrastructure Law* (BIL) on top of the traditional DWSRF loan money. For fiscal year (FY) 2023, approximately \$450 million was awarded to Michigan community water supplies in grants, loans, or loan forgiveness. In the UP, Escanaba received \$20 million (water main and lead service line replacement), Kingsford \$6.8 million (water main and lead service lines), Bessemer \$2 million (water main, lead service lines, and tank repair), and Ironwood \$3 million (lead service line replacement). Escanaba's and Ironwood's funding was 100% grant, while Kingsford and Bessemer had a portion as a loan. For FY 2024, EGLE received 280 Intent to Apply (ITA) forms for drinking water projects, 54 from UP communities. Project Planning documents are due June 1, 2023, and EGLE anticipates preliminary scoring will be completed in July. The final scoring list and funding amounts will be published by October 31, 2023. ITA forms for FY 2025 consideration are due November 1, 2023.

Operator Certification

EGLE is back to the normal Operator Certification testing schedule; the next testing date is November 1 (the application deadline is September 1). The exams will be at The Northern Center at Northern Michigan University in Marquette. For the May exam, there were 1,340 applicants statewide, seventy in the UP. These are well above the normal number of testers, an encouraging development.

EGLE is reminding water operators to check their Operator Certification expiration date and the number of Continuing Education Credits (CECs) required for renewal. If your license is expired, there is a one-year grace period to renew. If you are renewing within the first 90 days of the grace period, a 4-level certification needs an additional 0.1 CECs above what was required by the due date. A 1, 2, or 3-level certification needs an additional 0.2 CECs in this time frame. The number of additional CECs needed escalates further into the grace period. Also, note that you cannot be an Operator in Charge (OIC) with an expired license; you can still work as an operator but not the OIC until you have renewed.

Visit EGLE's website at www.michigan.gov/egle/outreach/water-operator-training-courses for more information on certification renewal, operator testing, and training opportunities.

Lead Service Lines

This is a reminder that the Complete Distribution System Material Inventory (CDSMI) is due January 1, 2025. The CDSMI is a tool to characterize, record, and maintain a comprehensive inventory of service line material on the public and private sides.

Verification is required for service lines of unknown material in your water system. If you have fewer than 1,500 of these service lines, you need to verify 20% of them. The number to be verified if more than 1,500 is shown on a table on EGLE's Lead Copper Rule website at www.michigan.gov/egle/about/organization/drinking-water-and-environmental-health/lead-and-copper-in-drinking-water. This site

has detailed CDSMI guidance and other lead and copper reporting requirements.

Over 10,000 lead service lines were replaced in Michigan in 2021.

Internet Submission Portal

EGLE has developed an internet submission portal, the Michigan Environmental Health and Drinking Water Information System (MiEHDWIS or 'Eddy' for short). Eddy will allow water systems to submit their lab reports, monthly operating reports, and annual reports via the internet; permits will also eventually be submitted through Eddy. Each water system must have an Eddy certifier to function as a gatekeeper to ensure submittals to EGLE are accurate; multiple certifiers are allowed for a water system. Prospective certifiers are required to submit a certification request along with authorization from the water supply's administrative contact. Eddy tutorials and certifier request procedures can be found at www.michigan.gov/egle/maps-data/miehdwis. If you have questions regarding Eddy, your UP EGLE Drinking Water contacts are listed below.

EGLE's goal is to have all Community Water Supplies as Eddy users by the end of 2023. Several UP water systems are currently using Eddy for submittals. EGLE is looking forward to rolling out Eddy and streamlining the submittal process. 💧

UP EGLE Drinking Water Contacts

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MICHIGAN ENVIRONMENTAL HEALTH AND DRINKING WATER INFORMATION SYSTEM (MIEHDWIS) UPDATE

The Michigan Environmental Health and Drinking Water Information System (MiEHDWIS) is a multi-year project to modernize many of Drinking Water and Environmental Health Division's existing permitting, licensing, and compliance information systems into one web-based application. The goal of MiEHDWIS is to provide increased efficiency, transparency, and communication between EGLE's staff and its customers.

Water supply representatives and engineering consultants can request access now. There are written guides and tutorial videos on the MiEHDWIS website at www.michigan.gov/egle-miehdwis to help you get started.

Act 399 Drinking Water Permits can now be submitted electronically using MiEHDWIS. This marks an important milestone for the Division, offering water supplies and their consultants the ability to submit permit applications, plans, and specifications fully electronically. This does, however, mark the end of an era for the Division, as hard copy permits and plans will no longer be accepted. All permit applications must now be received electronically, preferably through MiEHDWIS, but with email submissions still being accepted for a limited time. EGLE's Community Water Supply (CWS) website has added a page specific to CWS permitting



where you can find updated documents, including new instructions for submitting permit applications.

We are excited to share this update for our permitting process with you as we continue to develop and roll out these new features of MiEHDWIS! Stay tuned for upcoming training sessions as new features are rolled out. 💧

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REPORTING DEADLINE REMINDER AND TIPS


Have you ever had an issue submitting your sample results on time? Per the *Safe Drinking Water Act*, a supplier of water must report sample results to EGLE within the first ten days of the month following the month in which the results are received or within the first ten days following the end of the required monitoring period, whichever is sooner. The exception is lead and copper and water quality parameter sample results, which are required to be submitted within ten days after the end of the monitoring period. Failure to meet reporting deadlines is a violation of state and federal requirements and may be subject to public notification requirements, administrative fines, or other follow-up actions.

It is the responsibility of the water supply to ensure that all reporting requirements are met. Sampling late, reporting delays, or other issues can all contribute to late reporting.

While EGLE understands that circumstances sometimes arise that make it challenging to meet a reporting deadline, it is the water supply's regulatory responsibility to report on time. There are actions that water supplies can take to minimize the potential for late reporting. Some potential actions water supplies can take include:

- **Sampling early** in the monitoring period to allow adequate time for shipping, analysis, receipt of results, and reporting to EGLE.
- **Communicating with the laboratory** to ensure they can provide sample results with sufficient time to meet reporting deadlines. There are numerous certified laboratories, so if a laboratory is experiencing delays/backlog, consider contacting a different certified laboratory. Note that some laboratories subcontract to other laboratories, which can add additional processing time.

- **Understand laboratory reporting processes.** Many laboratories do not release the results of completed analyses until *all* analyses in the work order are complete. Take this into consideration when submitting your work orders. It may be advisable to submit certain samples as separate work orders. For example, submit total coliform samples in a separate work order from radiological samples.
- **Radiological sample analysis can take longer than most other samples.** Contact your chosen laboratory to determine expected analysis and reporting times and sample early enough in the monitoring period to allow on-time reporting to EGLE. For supplies required to conduct radiological sampling quarterly, it is especially important to sample as early in the quarter as possible and ensure the laboratory can analyze and report the results within the required timeframe.

If you have any questions about reporting deadlines, please contact your district office. For a list of certified drinking water laboratories, visit www.michigan.gov/eglelab. 



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PRACTICE FOR OPERATOR CERTIFICATION EXAMS

The Operator Training and Certification Unit recently created practice exams for the F category (Complete Treatment), D category (Limited Treatment), and S category (Distribution) exams. The practice exams are being provided to operators and prospective operators as another tool to help prepare for an upcoming exam. The practice exams and answer keys can be found by visiting www.michigan.gov/egleoperatortraining and selecting 'Exam Applications.' There is one practice exam and answer key for each category (F, D, and S). Looking for more tools to help you study? Be sure to check out the study guides and other available resources by visiting our website. 

After Hours Emergencies: 800-292-4706
Website: Michigan.gov/CommunityWater

Community Water Supply Program

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 George Krisztian, Assistant Division Director
 Brian Thurston, Assistant Division Director

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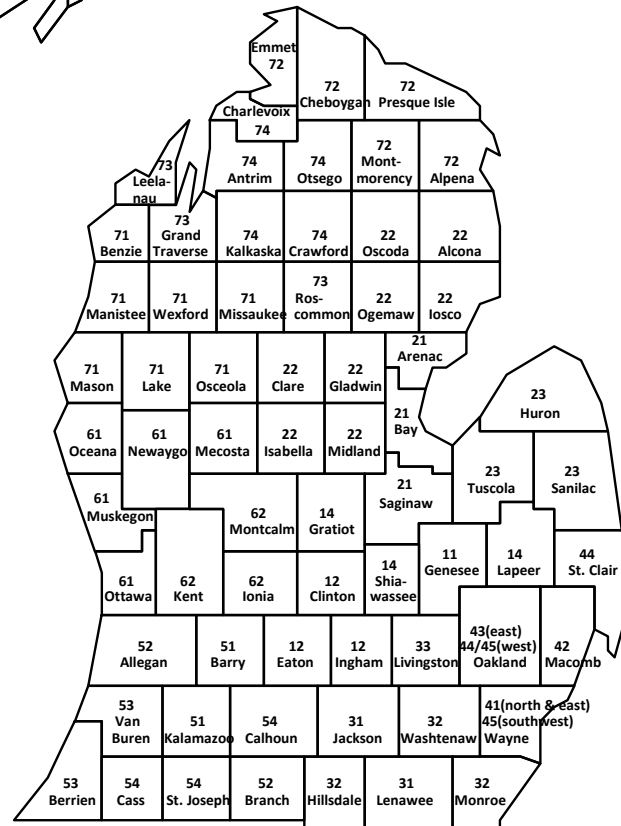
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Vacant, Surface Water Specialist (west)

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Tyler Postma, Environmental Quality Analyst 517-388-1833



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You have probably read about the Michigan Water Academy® over the past several years. It has had some glitches in fully launching, but some classes are already available. We're continuing with content development and recruiting instructors (if you're interested in being an instructor, let us know). The Board remains committed to this innovative training program, and we're hitting the content development hard so that we can realize this program's full potential for you.

The idea of the Michigan Water Academy® is to offer a clear training path to help water professionals manage their professional development and their career. The classes offer practice tests, engaging activities, and some lessons through an online learning management system. With four levels and a wide variety of classes, you will be able to take a series of classes that work toward a level-certificate or just the ones that you're interested in or need ahead of a project or an exam.

For now, check out the Academy® classes currently available on the website. 💧

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WATER APPRENTICE LEVEL

Career Planning
Customer Service II
Principles of Water Distribution
Principles of Water Treatment
Water Sector Technology

WATER PROFESSIONAL LEVEL

Advanced Water Treatment
Conflict Management and Resolution
Customer Service III
Management and Supervision
Managing Water Distribution
Practical Communications for the Water Professional
Security and Emergency Planning
Source Water Management

MASTER WATER PROFESSIONAL LEVEL

Asset Management
Board and Community Relations
Environmental Awareness
Leadership for the Water Professional
Presenting Like a Pro
Principles of Water Department Finances
Strategic Decision Making
Technology in Water Management
Workforce Planning

TRAINING CALENDAR

JULY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13 Water Solutions Webinar	14 DEI Discussion Series	15
16	17	18	19 A Growth Mindset for Growing Your Workforce	20	21	22
23	24 Customer Service II	25	26	27	28	29
30	31	1	2	3	4	5

AUGUST 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	1	2	3	4	5
6	7	8	9	10 Water Solutions Webinar	11	12
13	14 Public Speaking Like a Pro	15 Principles of Water Department Finances Volunteer Welcome & Training	16	17	18	19
20	21 Customer Service III	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

SEPTEMBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	1	2
3	4	5	6	7 Advanced Cross Connections	8	9
10	11	12 MI-AWWA Annual Golf Outing	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

OCTOBER 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3 Fall Regional Meeting – Kalamazoo	4 Fall Regional Meeting – Livonia	5	6	7
8	9	10	11	12 Water Solutions Webinar	13	14
15	16	17 Fall Regional Meeting – Mount Pleasant	18 Fall Regional Meeting – Gaylord	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

FALL REGIONAL MEETINGS

Registration is now open for all Fall Regional Meetings. Learn from water professionals, earn CECs*, and network with your peers. Register now to take advantage of early bird pricing. Group and small system discounts are available.

September 26-27: Harris, Michigan – Island Resort and Casino

October 3: Kalamazoo, MI – Fetzer Center – Western Michigan University

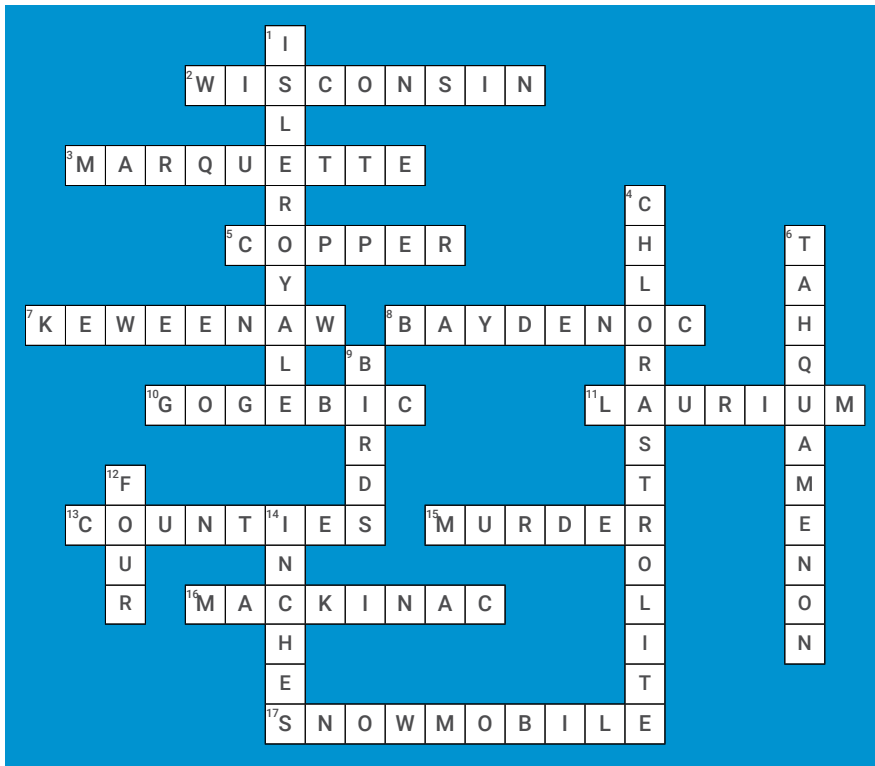
October 4: Livonia, MI – NEW LOCATION:
Vistatech Center – Schoolcraft College

October 17: Mount Pleasant, MI –
Comfort Inn and Suites and Conference Center

October 18: Gaylord, MI – NEW LOCATION:
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Dixon Engineering	54	616-374-3221	www.dixonengineering.net
EJ	43	800-626-4653	www.ejco.com
ETNA Supply Company	61	800-632-4576	www.etnasupply.com
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Fleis & Vanderbrink	49	616-977-1000	www.fveng.com
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Induron Protective Coatings	7	800-324-9584	www.induron.com
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Integra Chemical Company – Vita-D-Chlor	13	253-479-7000	www.vita-d-chlor.com
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