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# water works

WINTER 2022

NEWS

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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 Spring 2022 issue is February 11, 2022.**

Material may be submitted through the website at [www.mi-water.org/page/wnn](http://www.mi-water.org/page/wnn).

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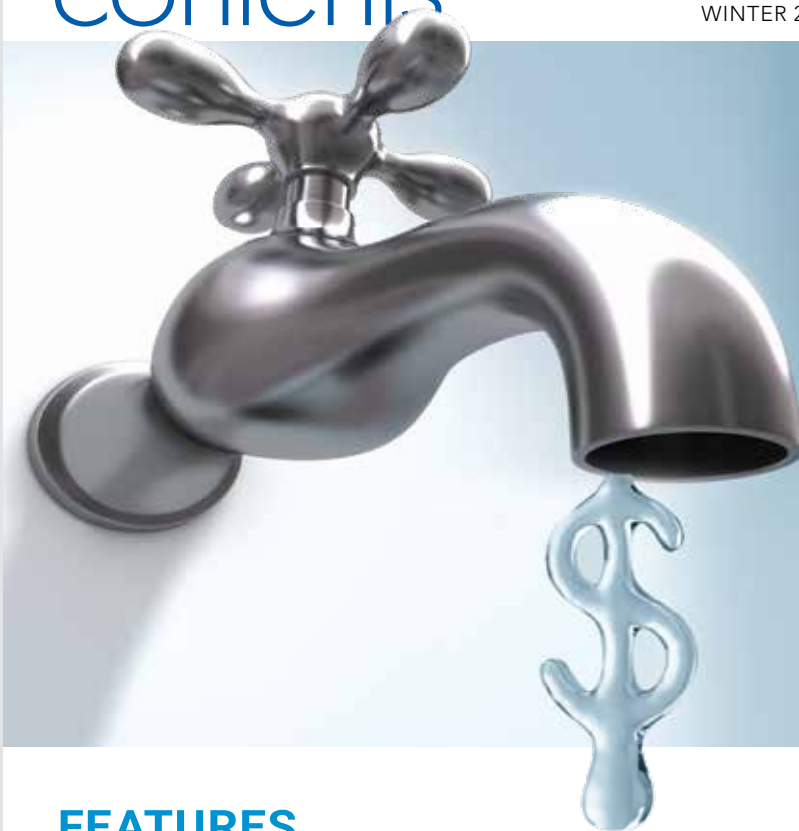
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# TRANSITIONING INTO 2022

Kelly Gleason, Editor

**H**appy New Year! Welcome to the Winter 2022 issue of *Michigan Water Works News*!


I hope you had a wonderful holiday season, had time to be with family, and celebrate. The year 2021 was different. The year started with all virtual events and trainings. Slowly, we were able to transition into in-person and hybrid events and were able to have MI-ACE in person and virtually in the fall. It was so nice to be face-to-face again.

I'm happy to say the 2022 Joint Expo & Operators Day is a go so far –

see page 15 for details. For additional training events, see page 44 for our training calendar.

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](mailto:kelly.gleason@lbwl.com) with the subject line *Water Works News* or through MI-AWWA website at [www.mi-water.org/page/wwn](http://www.mi-water.org/page/wwn).

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# BUILDING FOR FUTURE GENERATIONS

Aaron Uranga, Chair

**A**s we welcome in 2022, we are struck with the realization that the COVID-19 pandemic is still not done with us and the Lions still have not turned the corner. Perhaps 2022 will finally be the Lions year, but if not, there is always 2023.

On a more upbeat note, in the fall of 2021 the Michigan Section was able to hold ACE in person. It was truly wonderful to see so many MI-AWWA members in person in Grand Rapids after over a year of virtual events.

As I write this in early November, the Michigan Section is busy planning for a key need that is rooted in the past – namely the replacement of aging infrastructure. This need is being addressed with future planning. Our state is preparing for a one-time influx of federal dollars that, while the total amount still has not been set by Washington, will be a staggering amount of funding. For the past decade, our state has actively encouraged an asset management-based approach to planning for future infrastructure projects. This focus is primed to pay large dividends, as more funding than ever available for major improvements becomes available. This is a great testament to the forward thinking of Michigan water professionals in both the regulatory and the municipal spheres.

I was fortunate to participate in a joint legislative action day in Lansing between MI-AWWA and MWEA members. During that day, teams of MI-AWWA and MWEA



members met with State Representatives and State Senators in small groups. The focus was to introduce both organizations and jointly pitch the idea of supporting infrastructure improvements to representatives from across the entire State of Michigan. The response was overwhelmingly positive. Regardless of political affiliation, every representative we met seemed to share a sense that spending on infrastructure maintenance and replacement projects now will pay dividends for multiple generations of Michigan residents.

While road improvements are generally easy to pitch, it was surprising how knowledgeable many of the legislators were regarding the age of water mains and sewers and the need to invest in these systems. It is an exciting time to be a water professional, as large one-time spending on critical hidden assets is

poised to become a reality. I encourage each and every one of you to voice support for and explain the importance of spending to maintain and improve our water infrastructure.

At the same time, the Michigan Section will be keeping our own belt tightened slightly as we face the continued uncertainty of 2022. However, the mood heading into 2022 is definitely more positive than the mood heading into 2021.

It will be an exciting and extremely busy year for the Section, as many of us dive headfirst into the planning, design, and construction of water infrastructure improvements.

Much like the projects designed and constructed by our grandparents and great-grandparents, the projects over the next few years will benefit not only us, but our children, grandchildren, and great grandchildren. 💧

**“I ENCOURAGE EACH AND EVERY ONE OF YOU TO VOICE SUPPORT FOR AND EXPLAIN THE IMPORTANCE OF SPENDING TO MAINTAIN AND IMPROVE OUR WATER INFRASTRUCTURE.”**



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# MEGA COUNCIL SUMMIT

Pat Staskiewicz, Director

**T**he AWWA Board met on October 26, 2021, in Denver, CO, which was immediately followed by the Council Summit. This board meeting was added because the Council Summit is the first time that AWWA leadership has been able to meet in person as a group since March 2020. The following are some highlights from this board meeting and the 'Mega' Summit.

David LaFrance provided his CEO update. The best way to summarize the health of AWWA is to review the five key performance indicators that the association tracks:

- Sector Value has a target of 50,000 members, and that target may not be reached, as we are at about 48,600 members with only two months remaining in the year. I would like to recognize Cheryl Porter for her help in negotiating an enterprise membership for the Great Lakes Water Authority, which provided a much-needed boost in membership.
- Financial Growth is on track to achieve the \$26.5 million in revenue goal. While this is good, the 2019 budget was almost \$32 million, so it will take some time to get back to our pre-pandemic revenue.
- Financial Health is exceeding the goal of (\$4.2) in Net Income (Loss) as the latest projections are for (\$1.2) in Net Income (Loss).
- Sector Engagement is on track to meeting the goal of 24,600 attendees.
- Knowledge Leadership is on track to meeting the goal of 15 knowledge briefings.

And now for the most exciting part of any update, the financial report. As noted above, AWWA is projected to operate at a loss this year. AWWA has strong reserves, but they are not infinite. During the next three years, there is a financial plan to bring AWWA back into balance.

There was discussion on policy statements. AWWA was in the process of updating the policy for *Discontinuance of Water Service for Nonpayment* when the pandemic started. Due to the public policy response to this issue, that topic was put on hold. Now that many of the moratoriums on the discontinuance of water service for nonpayment have been lifted, it is the time to complete the update on this policy statement. Please keep an eye out for this important update.

**“AWWA HAS STRONG RESERVES, BUT THEY ARE NOT INFINITE. DURING THE NEXT THREE YEARS, THERE IS A FINANCIAL PLAN TO BRING AWWA BACK INTO BALANCE.”**

The Diversity and Inclusion Committee has also been working on some policy statements. *Diversity and Inclusion* and *Nondiscrimination and Anti-Harassment* policy statements have been updated and are on the AWWA website. The committee has also been active at ACE21, webinars, Section networking calls, special observance months, and female-focused events.

The board meeting also had a strategic planning session. The purpose of this session was to discuss planning over a longer period. Typically, the planning period is five years, but we were asked to consider a 30-year period, or Water 2050. The goals of Water 2050 are as follows:

- Establish a long-term view of water's future (Water 2050).
- Build water sector awareness around Water 2050 challenges.
- Broaden AWWA's network and influence.
- Build water sector thought leadership.

We had futurist Will Sarni, CEO of the Water Foundry, provide a presentation about the Future of Water: Risks and Opportunities to set the stage of the strategic planning session. This was a very interesting exercise, and I am looking forward to seeing how Water 2050 develops over the next year.

The board meeting transitioned to the Council Summit, where all six councils had the opportunity to meet in person. I had the opportunity to sit in on part of the Technical and Educational Council and Water Utility Council meetings. The Standards Council, Public Affairs Council, Manufacturers/Associates Council, and the International Council also met. I was really impressed by expertise around the table at these meetings, and the range of topics that were being discussed. The Councils are the engine that drives AWWA's mission to make a better world through better water, and I am happy to report that the engine is running smoothly. 💧

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# LEAVE THINGS BETTER THAN YOU FOUND THEM

Bonnifer Ballard, Executive director

In the fall, I had the sad privilege of celebrating the life of a close family member who had passed away. He had lived a long full life (he was just shy of 89!) and left quite an impact on all those he loved and befriended throughout his life. It got me to thinking about the impact I am having, and left me wondering how I would be remembered: 'Am I doing enough?' This wasn't a full-on existential crisis. Rather, it was a gut check, a time to reflect to see if I needed to adjust.

I grew up watching my parents contribute to the community. My mom, through her involvement in our townhouse cooperative and local politics. My dad, through his work as a firefighter and later as an investigator. Going to college was a far-off distant maybe in my family – but it was just expected that you help those who need help and you protect those more vulnerable than yourself. It is what led me to a life of service, first in the US Navy, and then at various nonprofits throughout my career. I get fulfillment from leaving things better than I found them.

And as I reflect on my current role with MI-AWWA, I am struck by the power associations have to leave the world a better place. It may seem a stretch – but stick with me here. In your day jobs, you are definitely having an impact, treating and delivering clean, safe water. Perhaps you take on more work or projects to create efficiency or build morale or save money. But even more, as part of MI-AWWA, we have the opportunity to leave our state better than we found it. The power of an association is that we can do things together that we can't do apart. We can initiate source water protection

programs locally and across the state. We can advocate for smart and equitable water policy. We can share our voices to help educate Michiganders about water. And so much more.

Together, we are making a better Michigan through better water. What a legacy we're leaving! 💧



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A big part of the experience of Joint Expo & Operators Day is the Exhibit Hall. Plan to walk the Exhibit Hall to see the latest in products, equipment, and services that can help you address the challenges you face daily. See the latest list of exhibitors online.

Vendors, if you don't have your booth space yet, contact MI-AWWA staff at [info@mi-water.org](mailto:info@mi-water.org) to reserve your space before it's sold out!



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## NETWORKING MIXER

Hosted by the Young Professionals and New Professionals Committees, the mixer is an opportunity for Joint Expo & Operators Day attendees to unwind and network before heading home or back to their hotel rooms. Make plans to participate and enjoy a drink and some snacks with colleagues and friends while earning a change to win prizes.

Thank you to those companies who are sponsoring the networking mixer.



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## SAFETY PROTOCOLS

MI-AWWA and MWEA leadership have worked together to adopt safety protocols that most protect the health and safety of attendees, volunteers, and staff participating in Joint Expo & Operators Day. Highlights of the protocols include passing a health screen, signing a liability waiver, and wearing a mask throughout the event.

Read the full protocols online at [www.jointexpo.org](http://www.jointexpo.org).

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All competition state champions will move on to the national competition at ACE 22 in San Antonio, TX.



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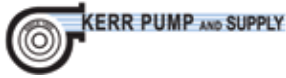
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# MODERNIZING THE STATE REVOLVING FUND PROCESS

The goals in updating these statutes are straightforward: chiefly to clarify and harmonize the two sections of law that govern DWSRF and CWSRF projects.

The Michigan Section of the American Water Works Association and Michigan Water Environment Association have been working in conjunction on modernizing the State Revolving Fund (SRF) process. This decades old statute currently governs the way loans are provided to communities for Drinking Water State Revolving Fund (DWSRF) and Clean Water State Revolving Fund (CWSRF) projects.

The goals in updating these statutes are straightforward: chiefly to clarify and harmonize the two sections of law that govern DWSRF and CWSRF projects. In many cases, SRF requests made by the same utility must follow different processes for Clean Water and Drinking Water projects. This leads to confusion on process and slows projects. It also adds administrative burden to smaller utilities that may not have a large project staff.

Both organizations have also been focused on increasing the access to SRF loan forgiveness and making it easier for financially disadvantaged communities to better qualify for dollars. Add this to simplifying the application process and foregoing costly engineering studies in some straightforward cases, it will be far easier for many communities to apply for these dollars.

With the coming influx of federal infrastructure funds associated with the American Rescue Plan, having an updated SRF system is even more important. Many legislative proposals suggest using both CWSRF and DWSRF as vehicles for delivering some stimulus dollars to local utilities.

The Midwest Strategy Group team has been facilitating high level meetings between both organizations and with leadership from the Department of Environment, Great Lakes, and Energy (EGLE) about this subject. We are looking forward to continuing the stakeholder and bill draft development process and hope to have a final product for introduction by later this year.

As with any state regulatory move, we are working with the associations to identify the best opportunities for membership engagement with legislators and regulators. Should you have any questions about this state legislation, please don't hesitate to contact us at [compagnoni@midweststrategy.com](mailto:compagnoni@midweststrategy.com) or [hodgkins@midweststrategy.com](mailto:hodgkins@midweststrategy.com). 💧

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Twin KB 100 Biogas CHP Modules Pictured above

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# READY TO LEAD?

## Nominations Open for the Michigan Section Board of Trustees

**Nominations are due by March 21, 2022.**

The Nominating Committee is seeking candidates for terms beginning in September 2022 (in conjunction with the Annual Business Meeting) for the following positions:

**Trustees:** two each for three-year terms.

**Chair Elect:** three-year term.

**Treasurer:** three-year term.

Self and peer nominations are both encouraged. Please also note the bylaws of the Section indicate that we should strive to have one Board member from the Upper Peninsula of Michigan and one Board member either from the area of the Lower Peninsula north of Town Line Fifteen or from any district, area, or community in the Lower Peninsula maintaining water service to a population under 10,000 persons at the most recent Federal Census.

The representation of the Board members is intended to reflect the diverse membership of the Section, including, but not limited to, geographical locations, membership categories, utility size, gender, and ethnic origins.

Any member in good standing of the Section, including a multi-section Member, are eligible to hold elective office in the Section.

Interested members are encouraged to contact the Nominating Committee with any questions by emailing [nominations@mi-water.org](mailto:nominations@mi-water.org).

Nominations are due by March 21, 2022, and should be submitted using the form on the Section website at [www.mi-water.org/page/brdnomination](http://www.mi-water.org/page/brdnomination). Members who have submitted nominations in previous years and would like to be considered for this year should complete a new nomination form.



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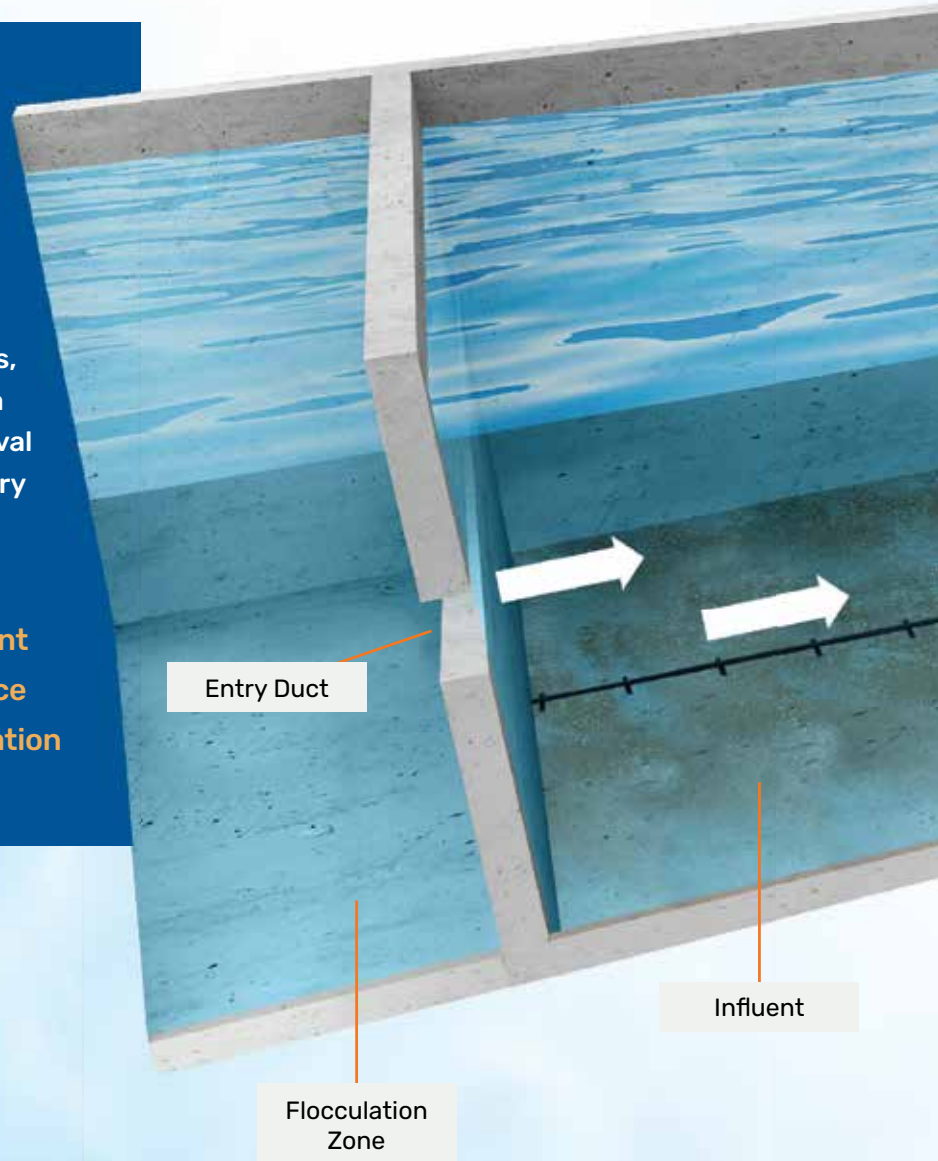
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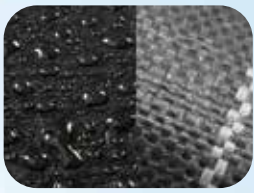
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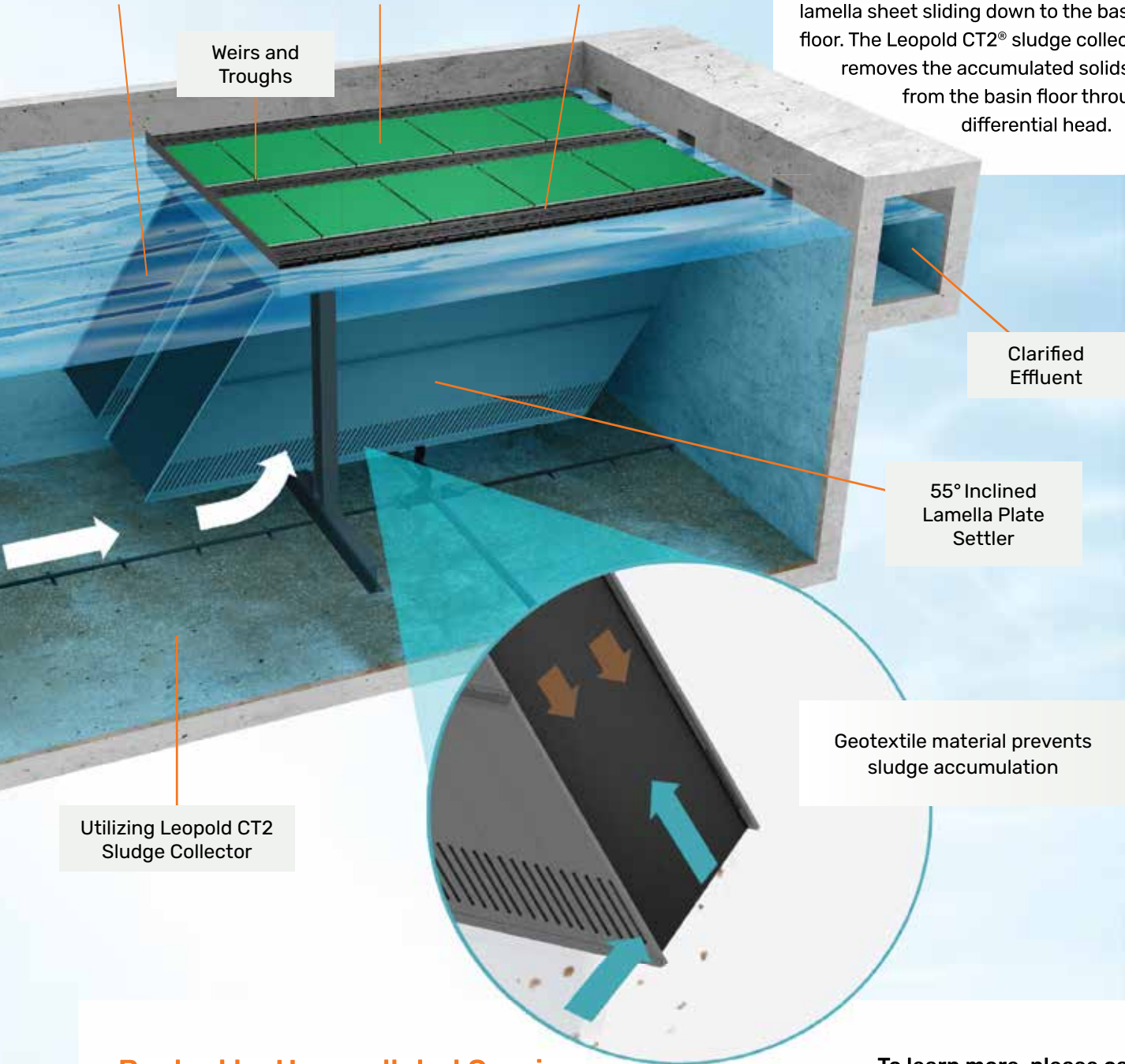
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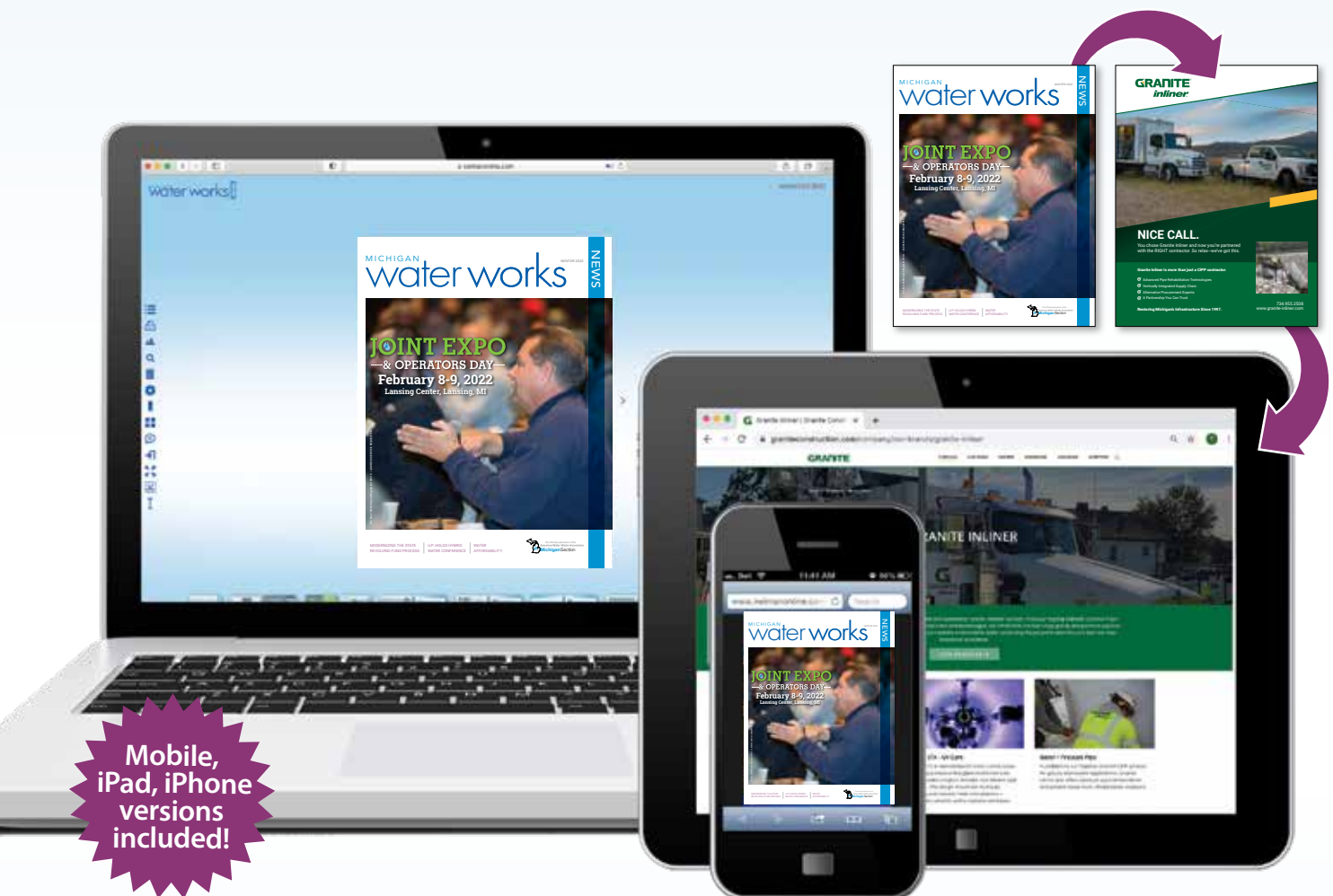
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# WATER AFFORDABILITY

## A MI-AWWA STRATEGIC INITIATIVE UPDATE

By Mark Coleman



“Safe drinking water affordability is a public health concern and a complex issue. The Section needs all your diverse expertise to help us develop what our role should be in addressing it.”

### REMAINING EVENTS IN THE SERIES

- January 14: Data and Why We Need It
- February 11: Public Engagement
- March 11: Water as Economic and Community Drivers
- May 12: Michigan Water Affordability Summit

As a past MI-AWWA Chair, Director, and Association Vice President, I was intrigued and delighted when Past MI-AWWA Chair Jaime Fleming and Executive Director Bonnifer Ballard reached out to me to co-moderate an innovative MI-AWWA initiative relative to potable water affordability.

This subject had been identified as a critical issue by the Association during my tenure representing the Michigan Section on the Association’s Board of Directors and has received a significant amount of their attention. What intrigued me about MI-AWWA’s proposition was that the Section is approaching the issue from a different perspective.

As Jaime noted in the last issue of *Water Works News*, the initiative includes six webinars designed to provide information relative to issues surrounding water affordability from various perspectives. Each webinar has been hosted by folks well versed in the topic being presented.

Jaime and Bonnifer have assembled an outstanding and very diverse team of presenters, which I am sure you will agree with after reviewing their individual backgrounds included on the project’s landing page. Each webinar is followed up a week later with a members-only discussion on what was heard/presented and its impacts. The input from these member discussions will be used to develop the topics to be covered during the in-person wrap up Summit scheduled for May 12, 2022, in the Lansing area.

The first three sessions have been conducted and each has been excellent! We had over 85 registered attendees from a broad spectrum of participants (attorneys, city managers, advocacy groups, etc.) for our first session and expect that to be the template for the sessions moving forward.

The member discussions have been open, honest discussions about the subject and its impact on our members. An observation frequently made is that safe drinking water is a commodity provided at a reasonable price – and while some people may not be able to afford it, this is really a social issue that others should address.

My thoughts on this are that safe drinking water is necessary for all people to survive and prosper, and there is no one more knowledgeable on how to deliver safe drinking water than us. In order to apply our expertise, we need a better understanding of the affordability issue by looking at it through the eyes of others.

This is what intrigued me with this initiative, since it does precisely that: the first three webinars focus on the traditional areas of affordability, while the next three look at it from a very different perspective.

So, if you haven’t yet gotten plugged into the webinars, below are the top three reasons why you should:

- It is a free member benefit.
- It respects your time. Each webinar and member discussion are only 90 minutes long.
- Safe drinking water affordability is a public health concern and a complex issue. The Section needs all your diverse expertise to help us develop what our role should be in addressing it.

I suspect that this will not be a ‘one and done’ initiative and there will be homework assignments at the close of the Summit. If you have an interest in supporting the MI AWWA in this initiative, I encourage you to contact Bonnifer Ballard at [bonnifer@mi-water.org](mailto:bonnifer@mi-water.org). 💧

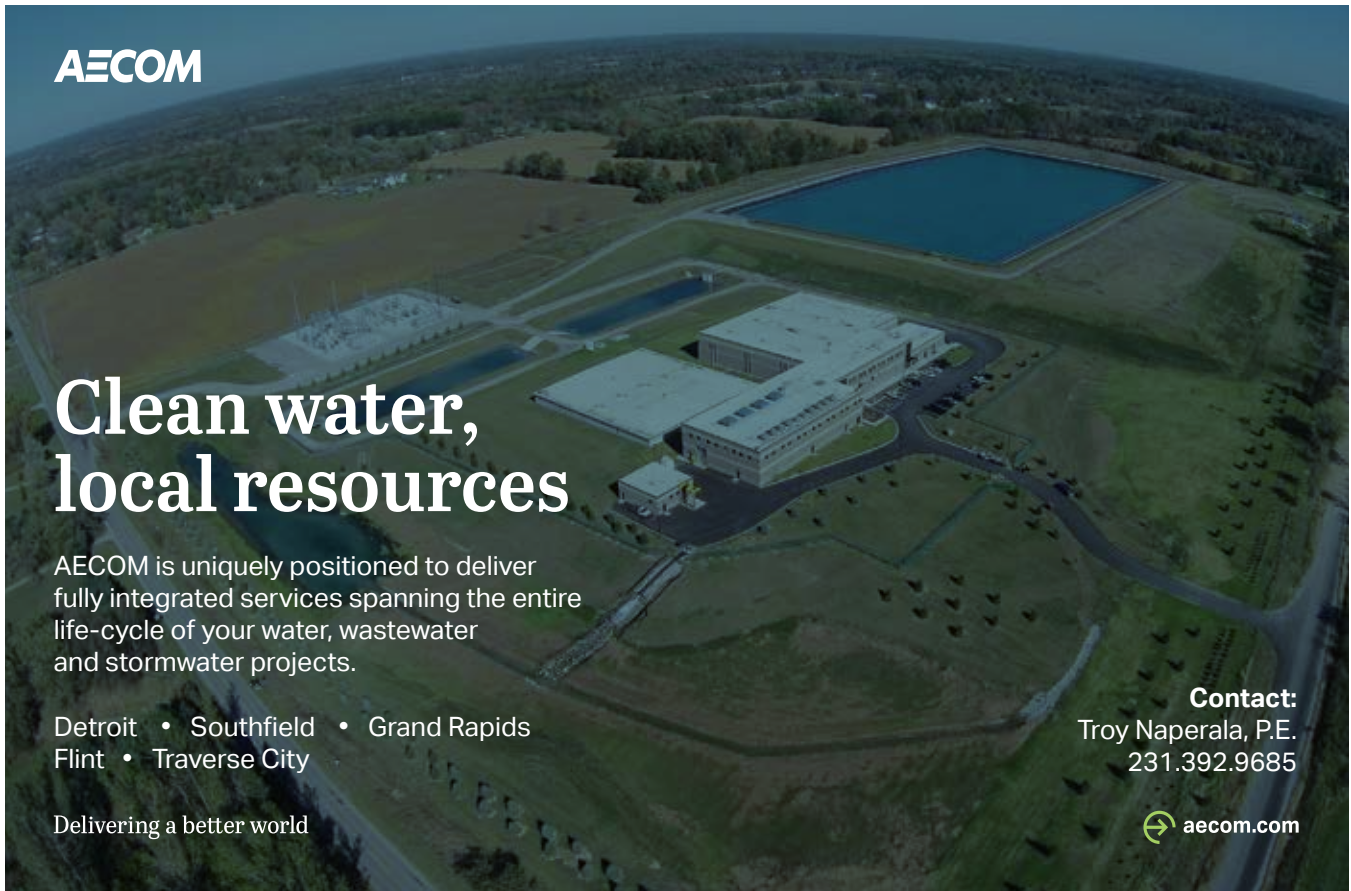
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# Above the Bridge

## U.P. HOLDS HYBRID WATER CONFERENCE

*First event since 2019*

**C** OVID-19 wreaked havoc on all of us. Finally, after two full years without an in-person training, the Upper Peninsula Coordinating Committee (UPCC) hosted the U.P. Fall Water Conference (formerly U.P. Distribution Seminar).

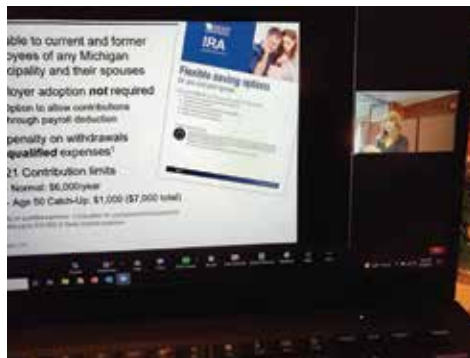
Like so many other Section events these days, the conference was a hybrid event, with the majority of people participating in person and about a dozen participating online. A couple of people took advantage of this new flexibility and participated in person one day and online the next.

Speakers and their topics were a big hit and included everything from identifying cross connections and storage tank maintenance to planning for retirement and succession planning.



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## UPCC COMMITTEE MEMBERS

The Upper Peninsula Coordinating Committee plans and coordinates the spring and fall events, held just outside Escanaba.

Committee members include:

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- Jason Amsler
- Corey J. Barr
- Jon W. Bloemker
- Mike Bolf
- Eric W. Buckman
- Donald J. DeGrand
- Donald L. DeTemple
- Amy Douville
- Troy R. Gallagher
- Curt Goodman
- Bruce L. Hawkinson
- John E. Holland Jr.
- David R. Holmgren
- Jon A. Kangas
- Jeff J. Lampi
- Steven P. Lawry
- Brian W. Masterson
- Paul Patterson
- Richard K. Quinn
- Paul D. Reinsch
- Jonelle Specker
- Robert E. Spreitzer
- Peter Staley
- Larry D. Sundling
- Brian E. Thurston
- Eric VanLaanen
- Russell L. Williams
- Amber G. Wilson

If you are interested in joining the committee, please contact Membership Coordinator Erika Ignace at [erika@mi-water.org](mailto:erika@mi-water.org).



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## GRANT HELPS ADDRESS WORKFORCE DEVELOPMENT

Grand Rapids Community College (GRCC), the City of Grand Rapids, and Bay College in Escanaba are partnering for a project aimed at building a pipeline to careers in the water and wastewater industry. This collaboration is supported by a national \$3.8 million US Environmental Protection Agency grant.


GRCC, Grand Rapids, and Bay College have been awarded a \$500,000 grant to introduce middle and high school students and neighborhoods with high unemployment to opportunities in fresh water and wastewater utilities.

Water and wastewater utilities across the country are experiencing shortages of qualified workers because of retirements and new regulatory requirements.

"Workers at water and wastewater treatment utilities provide a service that is essential to public health, the environment, and economic prosperity in their communities," said Radhika Fox, EPA assistant administrator for water.

GRCC and its partners will launch a Water Weekend event for families and work with schools and organizations to share career information with students. Those interested in water

and wastewater careers will be able to learn more about them through boot camp-style workshops, internships, and job-shadowing opportunities with the City of Grand Rapids.

"We are excited to partner with GRCC and Bay College to address the employment needs of water and sewer," Grand Rapids Water System Manager Wayne Jernberg said. "We are confident that this partnership with GRCC will help to address our long-term workforce needs and encourage young people within the community to pursue a career in the water industry." 

## AWWA STANDARD AVAILABLE TO ASSIST COMMUNITIES IN LEAD SERVICE LINE REMOVAL

By Elin Betanzo, PE, Principal, Safe Water Engineering LLC

Water utilities across Michigan are ramping up lead service line replacement work this year to comply with the Michigan Lead and Copper Rule requirement to begin replacing lead service lines at an average of 5% per year starting in 2021.

The American Water Works Association prepared a standard for replacing and flushing lead service lines to identify best practices and guide water utilities through the process. This standard is an excellent resource for water utilities, engineering consulting firms, and construction firms to use as they design and implement lead service line replacement plans and programs to meet the new requirements and protect public health.


This standard should be incorporated into Requests for Proposals (RFP), lead service line replacement standards, and contract scopes of work to clarify procedures and define roles between the water utility and the contractor. This will improve the quality of work while reducing questions down the road about who has which responsibility.

The American Water Works Association Standard C810-17 for Replacement and Flushing of Lead Service Lines describes essential procedures for the replacement of lead water service lines and flushing after the replacement is complete.

Highlights of the AWWA standard include:

- Explains why lead service line replacement is important.


- Describes customer outreach regarding planned lead service line replacement projects.
- Presents concepts for consideration in how a water utility or contractor might best handle line replacements in their own community.
- Outlines techniques for locating lead service lines, along with flushing, testing and verification methods after replacement is complete.
- Explains important steps for public health protection, including flushing, which is critical for clearing lead out of internal household plumbing after lead service lines are replaced.

Copies of the standard are available at <https://engage.awwa.org/personifyebusiness/store/product-details/productid/65628258>. 

## OPERATOR SCHOLARSHIP AVAILABLE

Did you know that AWWA, together with the Michigan Section, offers the One AWWA Operator Scholarship? This scholarship offers funds for either college courses or continuing education and professional development classes.

Money is left on the table every year. Water professionals from across Michigan and the country have donated to make these funds available to help advance the career of someone willing to roll up their sleeves. If you are an

operator thinking about the next step in your professional development, check out the details and then apply – [www.awwa.org/water-equation/one-awwa-operator-scholarship](http://www.awwa.org/water-equation/one-awwa-operator-scholarship). 

## MI-AWWA ONLINE

Take a fresh look at the Section’s website and you will find plenty of useful tabs. Here’s a quick visual tour:



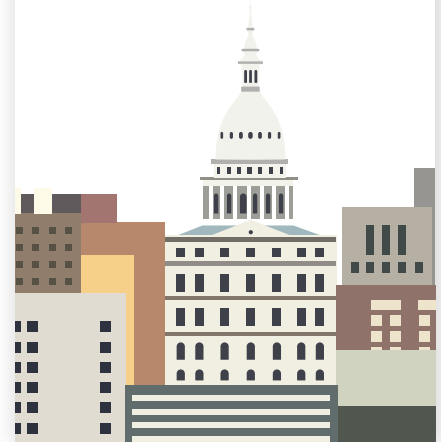
## AWWA/MWEA LEGISLATIVE DAY HIGHLIGHTS

By Gary Wozniak, Trustee

Having been a member of the Michigan Section for 25-plus years, I finally attended my first Legislative Day. I was surprised how easy, and fun, it turned out. Our lobbying consultant, Midwest Strategy Group, provided appointments with our State Representatives and Senators, gave us talking points, a map of the government buildings in downtown Lansing, and supplied food and beverages. They basically held our hands through this entire process.

As a result, I got to meet with a few genuinely interested elected officials in their own offices. I listened to their concerns over infrastructure, water rates, flooding, and lead services. I explained the importance of safe drinking water, while working with members of MWEA – and I got to witness the Senate subfloor discussion on infrastructure bills with MI-AWWA Chair-Elect Wayne Jernberg giving testimony. I also met some new faces in our water profession.

Overall, it was a rewarding day I will never forget. I wonder why I avoided it all these years. 💧





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# GREAT NEWS IN COMMUNITY WATER FLUORIDATION HERE IN MICHIGAN

The Center for Disease Control (CDC) has released the list of public water systems in the US that have provided fluoridation in the Optimal Fluoridation Awards for 2020. This year, there were 1,292 systems that received this honor. As with so many events, the awards were delayed due to COVID-19 and

the associated CDC re-assignments to address the pandemic.

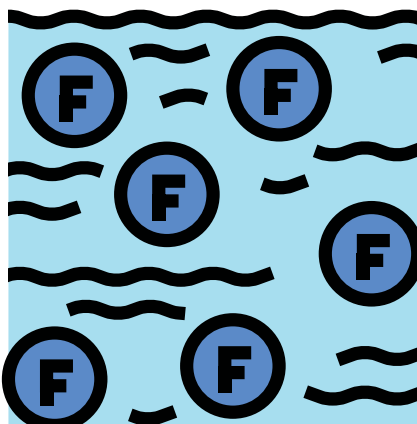
The Michigan Department of Health and Human Services Oral Health Program is pleased to announce that we have 89 Public Water Systems receiving awards this year. Thanks to their due diligence, our residents

are receiving the Optimal level of fluoridation all year long. With many people losing their benefits, and reduced capacity at dental offices, it is important that residents have the safety net of fluoridated water for their continued oral health.

Congratulations to all of our awardees:

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- Bay Area Water System
- Belding
- Benton Harbor
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- East Jordan
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- Elk Rapids
- Escanaba Water Department
- Fenton
- Fremont
- Genesee County Water System
- Gladstone Water Department
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- Mt. Pleasant
- Munising
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- Negaunee-Ishpeming Authority
- New Buffalo
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- Plainfield Township
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The MDHHD Oral Health Program is pleased to announce the 2022 Fluoridation Equipment Grants! If your system is needing replacement of equipment, please contact me, Sandy Sutton, at [suttons2@michigan.gov](mailto:suttons2@michigan.gov) or 517-582-8593 for more information! 💧







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## EXPANDING MEMBERSHIP: MAKING AWWA'S VISION A REALITY

By Nichole Sajdak, GLWA

Realizing the American Water Works Association's vision of *A Better World Through Better Water* depends on its member engagement and knowledge exchange. As a leader in the southeast Michigan water sector with over 100 member partner communities, the Great Lakes Water Authority needed the ability to share AWWA knowledge and documents during policy discussions with its member partners, and historically AWWA membership among our member partners was mixed.

In conjunction with the Michigan Section of AWWA, GLWA and AWWA Member Services worked to design a regional utility membership structure that would expand membership opportunities to all of GLWA's team members, member communities, and team members of member communities. The tailored collaboration between the groups yielded a two-year pilot program where GLWA pays the annual dues to expand membership opportunities.

Due to its large size, GLWA historically maintained its annual AWWA utility membership at the largest grade of the existing membership structure, while GLWA Member Partners range in size and only some paid for utility memberships. Regrettably, the majority of the Member Partners fell into the lowest grade utility membership classification (Grade 80), which omitted some beneficial privileges.

AWWA utility membership provided employee access to some AWWA benefits, like reduced prices for conferences and training, but it was not the same as being an AWWA individual membership. One important distinction was that utility members were not provided access to AWWA standards without purchasing an individual membership, and Grade 80 membership did not include access to standards at all.

Cheryl Porter, who currently serves as a Vice President at AWWA and GLWA Chief Operating Officer of Water and Field Services, says, "Working with AWWA exposes us to a host of different ideas. While everyone may need water to live, our environment, our regions, our local priorities shape our relationship with its treatment and transmission. AWWA is the culmination of these voices and experiences and emerges with a common direction for the profession. Access to standards and guidance documents is critical for our water and public works professionals to share common messages and freely exchange ideas while we ensure public trust."

If this pilot program is successful, a regional rate structure would achieve a greater participation rate. Expansion of AWWA membership to all GLWA team members, its member communities, and their team members advances



access to knowledge, resources, and opportunities which can help water professionals excel at their jobs and strengthen regional collaboration.

Email communications were sent in October to GLWA Member Partners explaining the pilot program details and instructions about enrollment. GLWA and Member Partner employees who are already individual members of AWWA will be automatically enrolled in the pilot program.

If you want to enroll as an AWWA member and are an employee of GLWA or one of its Member Partners and have not received email communication about how to secure your membership, please contact your Public Works Department or the following representatives for assistance.

AWWA Contact: Customer Service, [service@awwa.org](mailto:service@awwa.org), 800-926-7337.

Michigan Section Contact: Erika Ignace, [erika@mi-water.org](mailto:erika@mi-water.org), 517-292-2912 x105. 💧

## MI-AWWA COMMUNICATIONS COUNCIL UPDATE

The MI-AWWA Communications Council will have its third virtual Media Workshop for the members in December.

The topics for this workshop include *Crisis Communication During a Flooding Event and Cyber Security in the Water*

*Sector*. The sessions will be conducted via Zoom. The speakers for the first session (Crisis Communication) are Allison Farole (Grand Rapids) and Charles Schroeder (Grand Rapids), and the second session speaker will be Kevin Morley (AWWA).

If you have any comments/feedback about the workshop or would like to suggest any topics or are interested in presenting at one of our sessions, please feel free to reach out at [aftab.borka@glwater.org](mailto:aftab.borka@glwater.org) or [lashone.bedford@glwater.org](mailto:lashone.bedford@glwater.org). 💧



# GOVERNMENT AFFAIRS COUNCIL UPDATE

MI-AWWA and MWEA held our annual Water Advocacy Day in Lansing on October 20, where we visited various Michigan legislators to talk about the importance of water, wastewater, and stormwater infrastructure. The main talking points revolved around the \$2.5 billion infrastructure spending package that is currently being

considered by the legislature. The package is primarily funded using \$2.2 billion in federal COVID-19 recovery dollars.

On the same day, Wayne Jernberg, Chair-Elect for MI-AWWA, testified in front of the Senate Appropriations Committee about the needs of Michigan's water utilities.

Jernberg advocated for communities struggling with rising rates while shouldering the costs of lead service line replacements, PFAS contamination, and aging infrastructure. The overarching message was that the once-in-a-generation funds should be invested in water projects that will last a lifetime.

Lastly, there was a brief pause in EGLE's ability to collect fees for water operator certifications in October, due to a legislative sunset on October 1, 2021.

There was an initial worry that the sunset would create a temporary halt in EGLE's certification process that could affect hundreds of operators. MI-AWWA leadership met with EGLE leadership to advocate for uninterrupted certifications – as such, a pause could have had major impacts on water utility providers and individual operators. The issue was resolved when House Bill 5003 was passed at the end of the month, which retroactively extended the fee sunset dates to October 1, 2025. 💧

**“THE MAIN TALKING POINTS REVOLVED AROUND THE \$2.5 BILLION INFRASTRUCTURE SPENDING PACKAGE THAT IS CURRENTLY BEING CONSIDERED BY THE LEGISLATURE. THE PACKAGE IS PRIMARILY FUNDED USING \$2.2 BILLION IN FEDERAL COVID-19 RECOVERY DOLLARS.”**

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Members who joined September 1, 2021, to November 30, 2021.

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**Allen Park Water Department**  
**Ronald Almas**, Madison Heights  
**Village of Almont**  
**Ian Ambroggio**  
**Carol Apley**, Eastpointe  
**Lyndsey Army**  
**Ash Township Water Department**  
**Auburn Hills**  
**Augusta Township**  
**Bryan Babcock**, St. Clair Shores  
**Steve Baehren**, West Bloomfield Township  
 Water Utilities  
**Jason Barra**, Shelby Township Water Department  
**Donald Bart**, City of Dearborn  
**Mary Bednar**, Charter Township of Clinton  
**Belleville**  
**Heather Berger**, Washington Township Water & Sewer  
**City of Berkley**  
**Mike Bernal**, City of Birmingham  
**Village of Beverly Hills**  
**Village of Bingham Farms**  
**City of Birmingham**  
**Kelly Bishop**, City of Warren Water Department  
**Mahmoud Bitar**, City of Dearborn Water Department  
**Bob Blank**, Utility Financial Solutions  
**Bloomfield Hills**  
**Victor Boron**, City of Novi Water Department  
**Cindy Bower**, City of Taylor Water Department  
**Nichole Bowman**, Oakland County  
 Water Resources Commissioner  
**Brownstown Township**  
**Bruce Township**  
**Charter Township of Canton**  
**Nicholas Capuzzi**, Student  
**Village of Carleton**  
**Shad Carnecke**, Charter Township of Clinton  
**Center Line**  
**Avery Cervantes Lalone**  
**Charter Township of Clinton**  
**Erin Christie**, City of Warren Water Division  
**Commerce Township**  
**Dan Corazza**, Aquasight  
**Joseph Crachiola**, Charter Township of Clinton  
**Justin Danosky**, City of Flat Rock  
**Shonquase Dawkins**, City of Farmington Hills  
**City of Dearborn**  
**City of Dearborn Heights Water**  
**David DeCoster**, City of Oak Park Water Department  
**Holly Donoghue**, City of Royal Oak  
**Delaney Dunnivant**, Great Lakes Water Authority  
**City of Eastpointe**  
**Village of Estral Beach**  
**Willie Faison**, City of Highland Park  
**City of Farmington**  
**City of Farmington Hills**  
**City of Ferndale Water Department**  
**Mike Fillbrook**, Bruce Township  
**G. Finlay**, City of Troy  
**City of Flat Rock**  
**City of Fraser Water Department**  
**Luis Garcia**, West Bloomfield Township Water Utilities  
**City of Garden City Water Department**  
**Mark Gaworecki**, City Of Dearborn-Water Division  
**City of Gibraltar**  
**Remi Gonety**, OHM Advisors  
**Adriana Gonzalez**, Holland Board of Public Works  
**Grand Haven Charter Township**  
**Michael Greenwood**, City of Rochester Hills  
**City of Grosse Pointe Park**  
**Grosse Pointe Shores**  
**City of Grosse Pointe Woods**  
**Greg Grothous**, City of St. Joseph  
**Brandon Grund**, City of Rochester Hills

**Tammy Gushard**, City of Farmington Hills  
**Clair Hakeem**, City of Warren Water Department  
**Chris Hamilton**, Oakland County WRC  
**City of Hamtramck Water Department**  
**City of Harper Woods Water Department**  
**Devin Harris**, West Bloomfield Township  
**City of Hazel Park Water Department**  
**Seyed Mohammadreza Heidari**,  
 University of Michigan  
**Gary Hernandez**, West Bloomfield  
 Water Utilities Department  
**Anthony Herron**, West Bloomfield  
 Water Utilities Department  
**Steve Hoeksma**, Imlay Township  
**Wayne Hofmann**, Wade Trim  
**Michael Holsworth**, West Bloomfield Township  
 Water Utilities  
**Paul Horen**, Redford Twp  
**Jaynmarie Hubanks**, City of Royal Oak  
**Scott Hungerford**, West Bloomfield Township  
 Water Utilities  
**Huron Township**  
**Imlay City**  
**Imlay Township**  
**City of Inkster Water Department**  
**David Inman**, Aquasight  
**Mike Jackson**, West Bloomfield Township  
 Water Utilities  
**Robert Jansen**, Charter Township of Clinton  
**Penni Johnson**, City of Lincoln Park Water  
 Department  
**Jillian Jurczyk**, Utility Financial Solutions, LLC  
**Matthew Kapcia**, City of Troy  
**Keego Harbor**  
**Mark Kibby**, Allen Park Water Department  
**Joshua Kortekaas**, West Bloomfield Township  
 Water Utilities  
**John Kozuh**, Lincoln Park  
**Adam Kran**  
**Nickolas Kutsognis**, West Bloomfield Township  
 Water Utilities  
**Village of Lake Orion**  
**Philip Lalone**, West Bloomfield Township  
 Water Utilities  
**Brian Lapine**, City of Berkley  
**Lathrup Village**  
**Lenox Township**  
**Dustin Lent**, City of Southgate Water Department  
**City of Lincoln Park Water Department**  
**City of Livonia Public Works**  
**Carol Mac Donell**, Charter Township of Plymouth  
**City of Madison Heights Water Department**  
**Lesli Maes**, Oakland County  
 Water Resources Commission  
**Joe Mangan**, City of St. Joseph  
**Mayfield Township**  
**Tim McLean**, City of Gibraltar  
**City of Melvindale Water Department**  
**Tom Mitchell**, Charter Township of Clinton  
**Karen Mondora**, City of Farmington  
**Pam Murrell**, Shelby Township DPW  
**Timothy Neighbors**, Woodhaven  
**Village of New Haven**  
**Tracie Norman**, City of Warren Water Department  
**North Oakland Cnty. Water Auth.**  
**City of Novi Water Department**  
**City of Oak Park Water Department**  
**Kelli Onufrak**, City of River Rouge  
**Orchard Lake Village**  
**Michelle Osterhoudt**, Charter Township  
 of Washington  
**Matthew Page**, Charter Township of West Bloomfield  
**Leonard Parker**, Dearborn Heights  
**Thomas Pawelkowski**, City of Warren

**Pleasant Ridge**  
**Plymouth Township**  
**City of Pontiac**  
**Michael Reamer**, West Bloomfield Township  
 Water Utilities  
**Redford Township Water Department**  
**City of River Rouge**  
**City of Riverview Public Works**  
**Jennifer Robinson**  
**City of Rochester**  
**Rochester Hills**  
**City of Rockwood**  
**City of Romulus**  
**City of Roseville Water Department**  
**Rebecca Runkel**, City of Novi  
**Rick Rutherford**, Belleville  
**Kaitlin Sackner**, City of Troy  
**Eric Sajter**, City of Kalamazoo  
**Todd Saums**, Van Buren Township  
 Water & Sewer Department  
**Roberto Scappaticci**, City of Romulus  
**Julie Schlaud**, Mayfield Township  
**Jason Schmidt**, City of Troy  
**Derrick Schueller**, City of Berkley  
**Brian Schultz**, City of Roseville  
**Leigh Schultz**, City of Southfield -  
 Engineering Department  
**Jenny Shaw**, Oakland County  
 Water Resources Commissioner  
**Christopher Siewert**, Chesterfield Township DPW  
**Garry Simpson**, West Bloomfield Township  
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**Michael Smith**, Anderson, Eckstein and Westrick, Inc.  
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 Water Utilities Department  
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**Southfield Township**  
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**q1w2 Staup**, City of Novi-Engineering Division  
**City of Sterling Heights Water**  
**Mike Stock**, Evoqua Water Technologies  
**Sumpter Township Water Department**  
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**City of Taylor Water Department**  
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**Dienye Tolofari**, Great Lakes Water Authority  
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**Andrew Whitney**, Charter Township of  
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**Ross Wilberding**, Anderson, Eckstein & Westrick, Inc.  
**Mark Wroblewski**, Chesterfield Township Water  
**York Township**  
**Shawn Young**, City of Berkley  
**Ypsilanti Township**  
**Trever Zablocki**, City of Clawson 



# BEST TASTING WATER IN MICHIGAN: REGIONAL TASTE-OFFS

In the first in-person regional meetings since 2019, the Michigan Section of the American Water Works Association took a step toward returning to normalcy by holding the Best Tasting Water in Michigan: Regional Taste-Offs at the 2021 Fall Regional Meetings.

The unusual schedule did limit the turnout of competitors (the Livonia and Kalamazoo Regions saw no-one remember their mason jars), but it did not limit the quality of H<sub>2</sub>O that took home the hardware.

Our three regional champions are all outstanding water supplies with a pedigree of providing incredible drinking water. In the Upper Peninsula, The City of Manistique stood alone as champion of this historically strong region. In Mt. Pleasant, Bay County-Bay Area Water Plant held off more competition than

any other Region to take the prize. In Gaylord, Plainfield Charter Township proved that its new carbon filters remove PFAS and make aesthetically outstanding water. Congratulations to our three Regional Champions!

These three systems will face off at MI-AWWA/MWEA Joint Expo & Operator's Day, February 8 and 9, 2022, in Lansing, to determine who will be named Best Tasting Water in Michigan.

The State Champ will represent the section at AWWA ACE in San Antonio, TX, June 12 to 15, 2022!

In 2022, we plan to get back to our normal schedule, with regional competitions happening at the Spring Meetings and the State Taste-Off being held at MI-ACE 2022 in Traverse City! So, whether you competed this year or not, make sure to dust off your mason jars in 2022. 💧



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## EGLE’S DRINKING WATER STATE REVOLVING FUND PROGRAM

EGLE is helping to address drinking water infrastructure needs throughout Michigan with the Drinking Water State Revolving Fund (DWSRF) loan program. The DWSRF program is designed to assist water suppliers in satisfying requirements of the **Safe Drinking Water Act** and improving drinking water quality by offering low-interest loans. The rates are adjusted annually. For Fiscal Year 2022, the interest rate is 1.875% for a 20-year loan, 2.125% for a 30-year loan, and 1.875% for a 40-year loan (available to disadvantaged communities only). Water suppliers who own either a community water supply or a noncommunity water supply that operates as a non-profit (which typically would need to bond through another eligible entity) can qualify to receive DWSRF assistance. Qualified water suppliers may apply to borrow funds to plan, design, and construct eligible drinking water projects.

Eligible drinking water projects may include the following:

- New wells or upgrades to existing wells.
- Upgrades or expansions to existing facilities.
- Removal and replacement of public and private lead service lines.
- Transmission lines.
- Pumping facilities.
- Distribution systems.
- New water treatment plants.
- Other related waterworks system improvements.

EGLE is required to provide a portion of the funds each year as additional subsidy, which is typically allocated as principal forgiveness. The amount and category for awarding loan principal forgiveness also changes annually, but in recent years has been to disadvantaged communities and/or for lead service line replacement activities.

To learn more about DWSRF, interested applicants should submit an Intent to Apply (ITA) form to the Water Infrastructure Financing Section (WIFS) of EGLE’s Finance Division by January 31, 2022.

This is the first step in the application process, to be included on the DWSRF FY 2023 Project Priority List. Final project plans for FY 2023 projects will be due in the summer of 2022. Loans close on a quarterly schedule in each FY, from December through September.

Submitting an ITA form will initiate a meeting with a WIFS Project Manager, where they will share information about the DWSRF process and available financing options. Contact WIFS at [egle-wifs@michigan.gov](mailto:egle-wifs@michigan.gov) with additional questions or visit the DWSRF website at [www.michigan.gov/dwsrf](http://www.michigan.gov/dwsrf) for more details and to find the ITA form mentioned above.

### PFAS UPDATE FROM EGLE

August 3, 2021, marked the one-year anniversary of the promulgation of new drinking water rules for per- and polyfluoroalkyl substances, commonly known as PFAS. PFAS are a large group of human-made chemicals that are

fire resistant and repel oil, stains, grease, and water. They have been widely used in firefighting foams, stain repellants, nonstick cookware, waterproof clothing and shoes, fast food wrappers, personal care products, and many other consumer goods. PFAS chemicals are very persistent, meaning they do not easily break down in the environment. Through testing, the new rules provide an opportunity to improve public health by limiting exposure and providing a better understanding of where sources of PFAS contamination exist.

Michigan’s drinking water rules were amended to include sampling requirements and established maximum contaminant levels (MCLs) for seven PFAS compounds. The table below lists the seven regulated PFAS compounds and their associated MCLs.

| CONTAMINANT                                    | MCL (NG/L) |
|--|------------|
| Perfluorononanoic acid (PFNA)                  | 6          |
| Perfluorooctanoic Acid (PFOA)                  | 8          |
| Perfluorooctane Sulfonic Acid (PFOS)           | 16         |
| Perfluorohexane Sulfonic Acid (PFHxS)          | 51         |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 370        |
| Perfluorobutane Sulfonic Acid (PFBS)           | 420        |
| Perfluorohexanoic Acid (PFHxA)                 | 400,000    |

The standard monitoring schedule for all community and non-transient, non-community water supplies is quarterly. A water supply that has a detection in a water sample above the reporting limit will continue to sample quarterly. A supply may be reduced to annual monitoring based on satisfactory results of prior sampling. Compliance with a PFAS MCL is based on the running annual average (RAA) at each sampling point. A supply is not in violation until either one year of quarterly sampling has been completed and the RAA exceeds an MCL, or fewer samples cause the RAA to exceed an MCL.

The following table reflects community water supply PFAS data obtained between August 3, 2020, and October 15, 2021. More information on PFAS drinking water compliance data can be found by visiting [www.michigan.gov/pfasresponse](http://www.michigan.gov/pfasresponse).

| COMMUNITY WATER SUPPLY PFAS DATA: August 3, 2020, to October 15, 2021        | VALUE |
|--|-------|
| Total number of PFAS samples collected                                       | 3282  |
| Samples where one or more of the seven regulated PFAS compounds was detected | 385   |
| CWS with a PFAS detection over half of the MCL                               | 16    |
| CWS with a PFAS detection above the MCL                                      | 6     |
| CWSs that incurred a violation of a PFAS MCL                                 | 1     |



If a supply is determined to be in violation of a PFAS MCL, Tier 2 public notification must be issued within 30 days and repeated every three months until the violation is resolved. As of October 15, 2021, one community water supply has incurred a PFAS MCL violation. EGLE and the Michigan Department of Health and Human Services are working closely with this

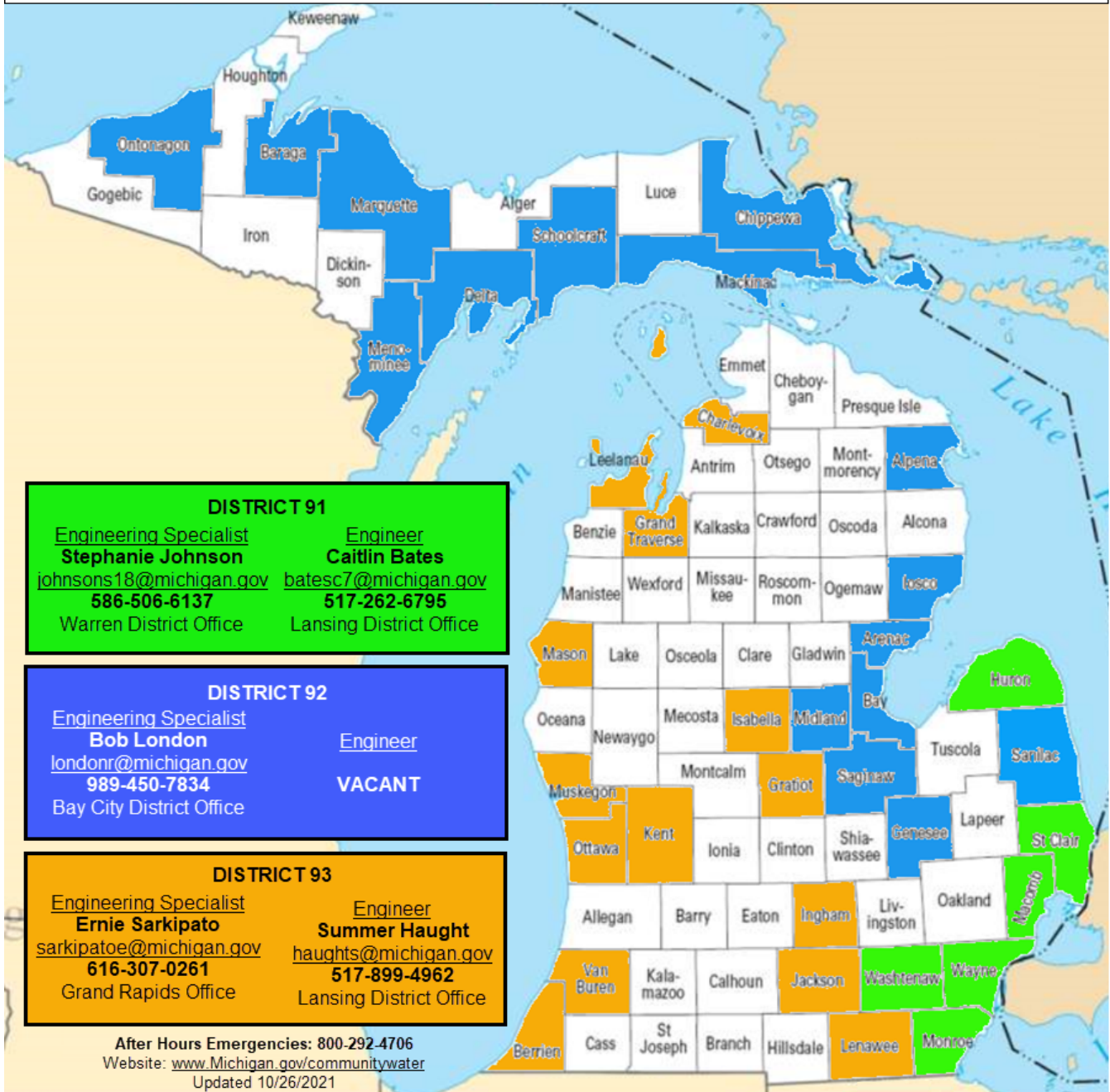
supply to ensure they are notifying residents, implementing intermediate action, and finding a long-term solution.

Additional information and guidance on PFAS drinking water rules, including a sampling instruction video and a current list of PFAS certified drinking water laboratories, can be found at [www.michigan.gov/pfasdrinkingwaterules](http://www.michigan.gov/pfasdrinkingwaterules).

### EGLE Engineering Unit Staff Coverage of Surface Water Supplies

Supervisor: Mike Bolf, 906-630-4107 | [bolfm@michigan.gov](mailto:bolfm@michigan.gov)

Surface Water Analyst: Ryan Vanderwoude, 517-648-7662 | [vanderwouder@michigan.gov](mailto:vanderwouder@michigan.gov)





10/31/2021

# Community Water Supply Program

Michigan Department of Environment, Great Lakes, and Energy  
 Drinking Water and Environmental Health Division  
 Eric Oswald, Division Director  
 George Krisztian, Assistant Division Director  
 Vacant, Assistant Division Director

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



**Field Operations Section**

Brian Thurston, P.E., Section Manager

**Lansing District Office**

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 Kyle Wolgamott, Envir Quality Analyst 517-899-4815  
 District 11 - Aaron Tytschkowski, Engineer 517-282-3161  
 District 12 - Mark Joseph, P.E., Engineer 517-290-0170  
 District 14 - Kurt Swendsen, Engineer 517-525-1487

**Bay City District Office**

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 Rebecca Kaiser, Environmental Quality Analyst 989-326-6949  
 District 21 - Marissa Drobitch, Engineer 517-242-6455  
 District 22 - Shane Mudd, Engineer 517-388-3582  
 District 23 - Kristin Bailey, Engineer 989-280-1291  
 MHC - Sue Huttinger, Envir Quality Analyst 989-220-8640

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 District 32 - Sean Brown, Engineer 517-937-6799  
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 Joshua Aden, Environmental Quality Analyst / Engineer 248-794-2479  
 Kyle Zimes, Engineer 248-820-7789  
 District 41 - Tiffany Yusko-Kotimko, Engineer 586-817-9120  
 District 42 - Will Disser, Engineer 586-506-6136  
 District 43 - Abuzoha Islam, Engineer 248-504-9142  
 District 44 - Vacant, Engineer

**Kalamazoo District Office**

Heather Bishop, District Supervisor 269-330-9153  
 Stacy Wilson, Environmental Quality Analyst 269-491-3107  
 District 51 - Nathan Yutz, Engineer 517-388-9125  
 District 52 - Mohit Varma, Engineer 269-762-3694  
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**Grand Rapids District Office**

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 Carey Pauquette, Environmental Quality Analyst 231-878-2931  
 District 71 - Scott Conradson, Engineer 231-577-8472  
 District 72 - Bob Weir, Engineer 231-590-2050  
 District 73 - Jamie Wade, P.E., Engineer 231-878-8592  
 District 74 - Taylor Quillan, Engineer 231-878-1279

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 Lori Schultz, Environmental Quality Analyst 906-869-6624  
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**Engineering Unit**

Michael Bolf, P.E., Unit Supervisor 906-630-4107  
 Nick Swiger, P.E., Water Treatment Specialist 231-429-8926  
 Ernie Sarkipato, P.E., Distribution System Specialist 616-307-0261  
 Stephanie Johnson, P.E., Surface Water Specialist (east) 586-506-6137  
 Robert London, P.E., Surface Water Specialist (north) 989-450-7834  
 Ernie Sarkipato, P.E., Surface Water Specialist (west) 616-307-0261  
 Caitlin Bates, Surface Water Engineer 517-262-6795  
 Summer Haight, Surface Water Engineer 517-899-4962  
 Vacant, Surface Water Engineer

**Community Water Supply Section**

Kris Philip, Section Manager

**Technical Support Unit**

Kris Dorcy, Unit Supervisor 517-898-1126  
 Krista Robinson, Environmental Quality Specialist 517-599-8655  
 John Karnes, Environmental Quality Analyst 517-242-0911  
 Brittany Earles, Environmental Quality Analyst 517-899-6735  
 Ariel Zoldan, Environmental Quality Analyst 517-599-8684  
 Randi Henderson, Environmental Quality Analyst 517-899-4974

**Operator Training & Certification Unit**

Koren Carpenter, Unit Supervisor 517-881-6311  
 Scott Schmidt, Environmental Quality Analyst 517-899-6906  
 Brianna Moore, Environmental Quality Analyst 517-899-6955  
 Martin Morales, Environmental Engineer 517-525-8032  
 John Koenigsnecht, Environmental Tech 517-284-5430  
 Edith Monteiro, Office Assistant 517-930-1912

**Lead & Copper Unit**

Brandon Onan, P.E., Unit Supervisor 616-307-6736  
 Jeni Bolt, Environmental Quality Specialist 517-331-5161  
 Holly Gohlke, Environmental Quality Specialist 517-220-1904  
 Heather Jackson, Environmental Quality Analyst 517-242-3997  
 Steve Pennington, Environmental Quality Analyst 517-242-3923  
 Matthew Sylvester, P.E., Corrosion Control Engineer 989-395-8567  
 Aislinn Deely, Environmental Quality Analyst 517-388-1816  
 Tyler Postma, Environmental Quality Analyst 517-388-1833  
 Heather Brown, Environmental Quality Analyst 517-282-2844



SAVE THE DATE!

# February 22, 2022

## MI-AWWA Source Water Conference

Lansing Community College – West Campus

### A DAY OF EDUCATION

planned and produced by the  
MI-AWWA Source Water Committee.



Registration opens soon! [www.mi-water.org/event/sourcewater0222](http://www.mi-water.org/event/sourcewater0222)

### BEST TASTING WATER IN MICHIGAN RETURNS TO SPRING REGIONAL MEETINGS AND THE SPRING WATER CONFERENCE

Mark your calendar to compete in the Best Tasting Water in Michigan Competition. Taste-Off winners in each region will proceed to MI-ACE 2022 – Traverse City for the chance to compete as Michigan's

representative to AWWA's Best Tasting Water Competition in Toronto, Ontario, Canada.

Competing is easy: Bring a one-quart, clean, clear glass mason jar of drinking water with you to the

meeting. Samples must be taken after treatment and be at room temperature before judging. A panel of judges will compare notes using criteria that include appearance, taste, and aroma.


# SAVE THE DATE! 2022 REGIONAL MEETING SCHEDULE

## Lower Peninsula

April 5, 2022 ..... Livonia  
 April 6, 2022 ..... Kalamazoo  
 April 19, 2022 ..... Gaylord  
 April 20, 2022 ..... Mt. Pleasant

October 4, 2022 ..... Livonia  
 October 5, 2022 ..... Kalamazoo  
 October 18, 2022 ..... Mt. Pleasant  
 October 19, 2022 ..... Gaylord

## Upper Peninsula Water Conferences

- April 19-20, 2022  
 Spring Water Conference, Harris
- September 27-28, 2022  
 Fall Water Conference, Harris 


## WATER SOLUTIONS WEBINAR SERIES

This popular webinar series returns for another round of monthly topics that offer great, timely information while helping you earn continuing education credit. Check out what's on the schedule.

- January 13
- February 17
- March 10
- April 14
- May 19
- June 9
- July 14
- August 11
- October 13
- November 10

Get details and register online for the sessions you don't want to miss.

## A LOOK AHEAD AT THIS YEAR'S TRAINING OPPORTUNITIES

With the pandemic came virtual trainings. MI-AWWA pivoted like many organizations to offering virtual trainings so that water professionals could continue to get professional development even while their travel was restricted. Members participated. Some even enjoyed it. However, water professionals across the state let us know that they were ready for a return to in person learning opportunities. 



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# TRAINING CALENDAR

The Section offers hybrid trainings that include an in-person and online option. See what's coming up. Check the website for details.

## JANUARY 2022

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY                      | FRIDAY                           | SATURDAY |
|--------|--------|---------|-----------|-------------------------------|----------------------------------|----------|
| 26     | 27     | 28      | 29        | 30                            | 31                               | 1        |
| 2      | 3      | 4       | 5         | 6                             | 7                                | 8        |
| 9      | 10     | 11      | 12        | 13<br>Water Solutions webinar | 14<br>Asset Management with MWEA | 15       |
| 16     | 17     | 18      | 19        | 20                            | 21                               | 22       |
| 23     | 24     | 25      | 26        | 27                            | 28                               | 29       |
| 30     | 31     | 1       | 2         | 3                             | 4                                | 5        |

## FEBRUARY 2022

| SUNDAY | MONDAY | TUESDAY                         | WEDNESDAY                             | THURSDAY                      | FRIDAY | SATURDAY |
|--------|--------|---------------------------------|---------------------------------------|-------------------------------|--------|----------|
| 30     | 31     | 1                               | 2                                     | 3                             | 4      | 5        |
| 6      | 7      | 8<br>Joint Expo & Operators Day | 9                                     | 10                            | 11     | 12       |
| 13     | 14     | 15                              | 16                                    | 17<br>Water Solutions webinar | 18     | 19       |
| 20     | 21     | 22<br>Source Water Conference   | 23<br>Principles of Cross Connections | 24                            | 25     | 26       |
| 27     | 28     | 1                               | 2                                     | 3                             | 4      | 5        |
| 6      | 7      | 8                               | 9                                     | 10                            | 11     | 12       |

## MARCH 2022

| SUNDAY | MONDAY | TUESDAY   | WEDNESDAY  | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|---|--|----------|--------|----------|
| 27     | 28     | 1   | 2  | 3        | 4      | 5        |
| 6      | 7      | 8<br>Overview of Math and Hydraulics<br>Water Chemistry                 | 9  | 10       | 11     | 12       |
| 13     | 14     | 15<br>Principles of Water Treatment<br>Principles of Water Distribution | 16   | 17       | 18     | 19       |
| 20     | 21     | 22  | 23<br>Achieving and Maintaining Compliance with the SDWA | 24       | 25     | 26       |
| 27     | 28     | 29  | 30   | 31       | 1      | 2        |
| 3      | 4      | 5   | 6  | 7        | 8      | 9        |

## APRIL 2022

| SUNDAY | MONDAY | TUESDAY   | WEDNESDAY                       | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|---|---------------------------------|----------|--------|----------|
| 27     | 28     | 29  | 30                              | 31       | 1      | 2        |
| 3      | 4      | 5<br>Regional Meeting Livonia                                     | 6<br>Regional Meeting Kalamazoo | 7        | 8      | 9        |
| 10     | 11     | 12  | 13                              | 14       | 15     | 16       |
| 17     | 18     | 19<br>UP Spring Water Conference<br>Regional Meeting Mt. Pleasant | 20<br>Regional Meeting Gaylord  | 21       | 22     | 23       |
| 24     | 25     | 26  | 27                              | 28       | 29     | 30       |
| 1      | 2      | 3   | 4                               | 5        | 6      | 7        |

### JANUARY

- 13 Water Solutions webinar
- 26 Asset Management with MWEA

### FEBRUARY

- 8-9 Joint Expo & Operators Day
- 17 Water Solutions webinar
- 22 Source Water Conference
- 23 Principles of Cross Connections

### MARCH

- 8-10 Overview of Math and Hydraulics
- 8-10 Water Chemistry
- 15-17 Principles of Water Treatment
- 15-17 Principles of Water Distribution
- 23 Achieving and Maintaining Compliance with the SDWA

### APRIL

- 5 Regional Meeting Livonia
- 6 Regional Meeting Kalamazoo
- 19-20 UP Spring Water Conference
- 19 Regional Meeting Mt. Pleasant
- 20 Regional Meeting Gaylord



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