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FEATURES

75TH ANNIVERSARY OF COMMUNITY WATER FLUORIDATION .......................................................... 15

PIECES FROM THE PAST: HISTORY OF TURBIDITY METHODS .......................................................... 17

JOINT EXPO & OPERATORS DAY SETS RECORD ATTENDANCE ......................................................... 20

WHAT EVERY OPERATOR MUST KNOW .......................................................................................... 23

ABOVE THE BRIDGE: MACKINAC ISLAND ....................................................................................... 30

2020 MEMBERSHIP DIRECTORY ........................................................................................................ 44

2020 BUYERS’ GUIDE ............................................................................................................................. 70

DEPARTMENTS

Editor’s Note ........................................................................................................................................... 7
Chair’s Message ....................................................................................................................................... 9
Director’s Report .................................................................................................................................... 10
Executive Director’s Message ................................................................................................................ 13
News and Notes ...................................................................................................................................... 25
Volunteer News .................................................................................................................................... 27
Member News ......................................................................................................................................... 34
EGLE News ........................................................................................................................................... 36
Training ................................................................................................................................................... 41
Advertiser Information Center ............................................................................................................. 74
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CONGRATULATIONS TO THE WINNERS OF 2020 JOINT EXPO COMPETITIONS

KELLY GLEASON, EDITOR

Welcome to the spring issue of Michigan Water Works News! It’s beginning to warm up and we can emerge from cold winter hibernations.

As usual, January was low-key for me, and February was action packed. The 2020 Joint Expo & Operators Day went as planned and all the competitions were completed. Both the Lansing BWL teams won the State titles again for pipe tapping – Battle Creek’s men’s and now a women’s team both took the Hydrant Hysteria titles, and Lansing BWL is home to our Meter Madness representative. Way to go and congratulations! Check out all competition results and an Expo Recap on page 20.

Was one of your resolutions to increase your professional development? There are many trainings available. Make sure to check out all the training opportunities on page 43.

"THE 2020 JOINT EXPO & OPERATORS DAY WENT AS PLANNED AND ALL THE COMPETITIONS WERE COMPLETED."

So, what have you been up to in the water world? Send pictures, stories, and updates to kelly.gleason@lbwl.com with the subject line Water Works News.

2020 Publishing Schedule:
• Summer 2020: Due May 1
• Fall 2020: Due August 7
• Winter 2021: Due November 6

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A

WWA primarily functions as a volunteer organization. What that means is the work we do as a Section and Association is directly impacted by the work of our volunteers. This approach helps keep the cost of membership down. We are a group of dedicated professionals who want to help other professionals. We learn from each other, and we form strong bonds of friendship and camaraderie as we work together. We form a network of dedicated professionals serving the people of Michigan and America!

Membership, of course, is very important to our success as an organization. Over the years, I have heard many people ask the question regarding membership: “What is membership in the organization going to do for me?” I can tell you the answer to that question is complicated and varies for each person. Like many things, the quality of what you get is directly proportional to what you put in.

There are many factors affecting your experience in AWWA as a member. I believe a big part of it is how you look at it. Do you want all benefit and no effort? If this is the case, you will miss out on a large number of membership benefits. If you look at the bigger picture and are willing to give as well as receive, the rewards are numerous and generous. Of course, when you are new to the profession, your ability to give is limited, since you are learning and gaining experience. Early in your career, your focus is on gaining knowledge and understanding of the industry.

I have been a member of MI Section AWWA for 30-plus years now. It seems like only a few years ago I was just starting as a new operator for the City of Bay City. At that time, John DeKam was superintendent of Bay City’s Water Treatment Plant. I suspect John is still a member of AWWA. He was supportive and made no qualms about the fact I should join AWWA. John is also a past chair of MI Section AWWA and another one of my mentors. His effect on my future as a water operator and member of AWWA is evident in where I am today. John was and is a big believer in AWWA and education—and by extension so am I.

I remember sitting in those early classes and meetings thinking, “These people are truly dedicated to the work. These are the kind of people I want to work with.” Industry professionals, as well as the regulatory agency staff, were highly involved in the education of new operators and professionals. I first developed relationships with my regulators in the classroom. That contact has been mutually beneficial over the years.

Because of those early experiences and examples, I have given numerous professional presentations at local, state, and international meetings. I am an adjunct professor and I currently serve and have served on numerous committees, boards, and advisory boards.

When I entered the industry, we were regulated under the MI Department of Public Health. Drinking water is a health-related industry and, in my opinion, we need professionals who have a public health approach at every level. We must be dedicated to public health and keep this in mind with every decision we make.

What is in it for you? Sign up! Get involved! Dive in! What you put in to it will determine what you get out of it!
The AWWA Board of Directors held the winter board meeting on Saturday, January 25, 2020. Below are some highlights from the meeting.

The Board held elections to select seven new officers. Dr. Chi Ho Sham from the New England Section will serve as the Association’s next president-elect. Chi Ho has been an AWWA member for 30 years and is the chair of both the Technical and Educational Council and Stormwater Utility Management Committee. He is vice president and chief scientist for the Eastern Research Group located in Lexington, MA, and a respected specialist in drinking water and source water protection, environmental principals and policy, and natural resource management. Chi Ho has a well-earned reputation in the Executive Committee for his attention to detail, especially when it comes to bylaws. Chi Ho will begin his term as president-elect at AWWA’s Annual Conference and Exposition in Orlando, FL, as will the other new officers.

Jon Eaton from the Minnesota Section was elected as treasurer. Jon is superintendent of utilities for the City of Eagan and is a member of AWWA’s Finance and Pension committees. The Minnesota Section members that I talked to all spoke highly of Jon and said he was instrumental in helping their Section navigate some past financial challenges. I believe our finances will be in good hands with Jon.

Three vice presidents were also elected to the board.

Jennifer Elms has been an AWWA member since 2003 and is the director of the Texas Section. She is an associate and senior project manager at EHRA, Inc., in Houston.

Dr. Stephen Randtke has been an AWWA member since 1977 and is director of the Kansas Section. He is a professor at the University of Kansas.

I was fortunate to be elected as the third vice president. It is already a great honor to represent the Michigan Section as its director and I look forward to taking on this additional role. I want to thank our past Michigan directors, especially Mark Coleman, for encouraging me to follow the Michigan Section tradition of running for vice president.

The Board selected Michelle Stockness of Minneapolis, MN, as a director-at-large. An AWWA member since 2006, she is chair of the Diversity and Inclusion Subcommittee of the Minnesota Section and a senior civil engineer at Barr Engineering.

Corianne Burnett of Portland, OR, was selected as a service provider director-at-large. An AWWA member since 2005, she is the newsletter editor and member of the Engineering and Water Treatment committees of the Pacific Northwest Section and a senior engineer at Carollo Engineers.

I am very pleased to announce that two of our Michigan Section members were honored by the Board with awards. The Volunteer of the Year Award was established in 2010 to recognize and honor an individual AWWA member who has advanced the Association (Denver or DC) through his or her volunteer time and efforts and has been a support to Association staff. Mark Coleman is recipient of the 2020 Volunteer of the Year Award!

The Jack Hoffbuhr Award was established in 2008 to honor the legacy of Jack Hoffbuhr (retired executive director, AWWA), and to recognize outstanding performance and accomplishments by a Section staff member of AWWA. Bonnifer Ballard is recipient of the 2020 Jack Hoffbuhr Award! Please join me in congratulating Mark and Bonnifer!

Some accomplishments for 2019 include the following:

- Membership in AWWA has topped the 52,000 mark for the first time in five years!
- AWWA finances remain strong, with a 2019 net operating income $1 million over budget.
- AWWA secured over $2 million in grant funds for small system training in 2019.
- For 2020, keep on the lookout for these:
  - AWWA is evaluating an enterprise model for membership.
  - The updated strategic plan will be presented in June at ACE20.
  - More digital delivery options! Envoi is completing beta testing and will be ready for everyone, look for new video streaming additions and the exam prep app adds a wastewater package.

I hope to see you in Orlando at ACE20, June 14-17! If you have any questions about how to get more involved in AWWA, please feel free to contact me.
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As winter wanes, all of us become busier. Warm weather brings construction projects and a whole host of other projects that can only be done in warmer weather. This is the regular ebb and flow in the water world. However, are you ready if someone on your team wins the lottery and leaves for a tropical island tomorrow? Do you have the bench strength to manage the work even for a temporary situation, someone on vacation or medical leave?

According to Lexico, an Oxford University Press/dictionary.com collaboration, bench strength is defined as:

- the ability and skill possessed by the reserve members of a sports team, or
- the capability of members of an organization’s staff to move into positions of greater responsibility when required.

Having bench strength takes planning. As a manager, you have to think about what each member of your team can realistically do together with what you can afford to do. All of that while making no compromises on the quality of the work. And this isn’t considering the looming retirements happening across the water sector.

One of the unique benefits of belonging to a professional association is the network of like-minded professionals that you have access to. The longer you are a member, the broader and deeper your network becomes. And for those of you who support your team members with membership and access to training and other events, you not only enrich that employee, you as the employer broaden and deepen your bench strength. You and your employees don’t have to have all the answers to show bench strength. Sometimes, you just need to know where to find the answers.

Yes, AWWA has a plethora of resources. However, it’s the network of colleagues that you and your team build that adds the unique value that improves your bench strength.
WHAT’S THE VALUE OF WATER?

When nature calls, you want open stalls.

Most of us never think about what happens to the water we flush. Luckily, we don’t have to. Pumps, treatment plants, and pipes remove and clean wastewater so it can be returned to the environment or safely reused.

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#ValueWater
Over 100 years ago, a young dentist went to Colorado, where his discovery and research would change public health as we know it. He found that, with the right amount of the naturally occurring fluoride in the ground water, residents in Colorado Springs had fewer cavities and more of their teeth.

That discovery continued to gain momentum until January 25, 1945, when the US National Institute of Health started a 15-year study in Grand Rapids, MI. They started to supplement the public water system with fluoride; the control city being Muskegon. After just a few years, they found that the children in Grand Rapids had 60% less cavities than the children in Muskegon. Though the study was not completed, by the 11th year of the study, reports of fewer cavities, less tooth loss, and fewer trips to the dentist were causing other cities to hold votes to add fluoride to their water systems. This was significant for better health and earned community water fluoridation its place as one of the 10 greatest public health accomplishments of the 20th Century.

Last month, water, public health, and dental communities celebrated the 75th anniversary of community water fluoridation. Governor Gretchen Whitmer signed a proclamation certifying the day and the City of Grand Rapids held a small ceremony. Online, many social media posts were made discussing fluoridation and the benefits it provides. State and national organizations were able to come together and work as a group – and as a participant, it was great! Thank you for being a major part of providing public health.

So, what does this mean for the rest of our communities? It means we are providing a major dental health benefit that the public doesn’t have to do anything outside of their normal functions to be able to take advantage of – just drink. No special workout, no new program to learn or fit into our daily routine – just drink.

Communities who need replacement equipment or are looking to install a new system should be aware that the Michigan Department of Health and Human Services, Oral Health Unit, Community Water Fluoridation Coordinator, is currently taking request information from systems for grant funds. Grants are based on severity of need and funds available.

The more need we are aware of dictates how much we can request from our granting sponsors. Please contact Sandy Sutton at suttons2@michigan.gov for information.
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Turbidity is a measurement used to determine the clarity of water and indicate filtration effectiveness. It is a critical tool in recognizing changes in raw water quality and troubleshooting filtration problems. Low turbidity is also indicative of the effective removal of bacteria, viruses, and other disease-causing microorganisms — and the lower the turbidity, the better the disinfection process will be. Today, we determine turbidity with a nephelometric method, where the measurement of turbidity is detected at a 90° angle from the light source, measuring the amount of light scattered due to particles in the water. Prior to the nephelometric method, turbidity was a measure of attenuation, or the reduction in strength of the light as it passes through a sample (see Figure 1).

For systems using conventional or direct filtration, the turbidity cannot exceed 1 Nephelometric Turbidity Unit (NTU), with 95% of samples in any month being less than 0.3 NTUs. Systems that use other filtration methods must follow the state limits, which must include that turbidity at no time exceeds 5 NTUs.
Beginning as a strictly qualitative measurement, turbidity was used to ensure that water was aesthetically pleasing. In the early 1900s, the Jackson Candle Method for turbidity was developed in an effort to standardize the measurement. This method of testing the turbidity of water involved a flat-bottomed, graduated glass tube with the graduations corresponding to Jackson Turbidity Units (JTU). The units were standardized using diatomaceous earth in water solution. The empty glass tube would then be mounted over a candle. While pouring sample into the tube, the operator would look directly through the top of the tube and continue adding sample until the image of the candle was no longer distinct. The depth of the water would then correspond to a Jackson Turbidity Unit. These JTUs are not equivalent to Nephelometric Turbidity Units used today and since turbidity is not based on any intrinsic chemical or physical quality, the Jackson Turbidity Units cannot be converted to Nephelometric Turbidity Units, or vice versa. Due to the amount of water it requires to measure low turbidity with the Jackson Candle, the method cannot be used to determine turbidity accurately at low levels, commonly cited at <25-50 JTU.

The diatomaceous earth solution used for standardizing the Jackson Candle tube could cause discrepancies depending on the source of the diatomaceous earth due to the particle size ranging from less than 3 µm to more than 1 mm. In 1926, a formazin standard was created as a much more reliable standard. Formazin is a stable synthetic material with uniform particle size, making it a perfect candidate for use to calibrate turbidimeters. The development of a formazin standard eventually led to the development of the nephelometric method of measuring the light scattered due to the particles in the sample rather than the attenuation of the light directly through the sample.

Though turbidity today is a relatively straightforward process, the method itself had humble beginnings. Today’s measurement of turbidity is much safer, with the disappearance of the candle and operators looking down an open glass tube of sample. There is also much less subjectivity of the operator measuring the turbidity due to eyesight, the brightness or flickering of the light source, and the sample absorbing the light.

"Today’s measurement of turbidity is much safer... there is also much less subjectivity."

To reach Michigan’s water industry professionals through *Michigan Water Works News* and its targeted readership, contact Ashley at your earliest convenience to discuss your company’s promotional plans for 2020.

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The weather was kind and we saw more water professionals than ever at the 2020 Joint Expo & Operators Day. The conference offered three sessions of Operators Day instead of two, and the Infrastructure Funding Seminar as usual. And this year, we added two smaller workshops, How to Give a Media Interview and How to Talk to Your Legislator. The Exhibit Hall was packed with some long-standing exhibitors, as well as some new, showcasing all kinds of products and services for the water sector.

Competitions were a rousing affair, with the winners securing their opportunity to compete at ACE20 in Orlando this June. The pipe tapping was held on Day One, with the Lansing Board of Water & Light men’s and women’s teams competing. The men’s team finished their taps and the final time recorded was 1 minute 25 seconds. The women’s team finished with a final time recorded of 2 minutes and 27 seconds.

Day Two marked the Hydrant Hysteria and Meter Madness competitions. Hydrant Hysteria has grown a bit this past year with a few women’s teams joining the ranks. This year, the team’s competed assembling a Kennedy fire hydrant in a timed event. Battle Creek (BC) competed against Michigan State University, Lansing Board of Water & Light, City of Troy, and Plainfield township. After preliminary rounds, the two BC men’s teams faced each other in the finals with the team of Ben Blaniar, Ivan Scovel, and coach Nick Lichty winning the state title. After preliminary rounds in the women’s division, Battle Creek and City of Troy faced off in the finals. Battle Creek’s Amber Whitcomb, Tara Reniger, and coach Matt Mitschell came out on top with a time of 1 minute 58 seconds to win the state title.

The Meter Madness competition was held almost simultaneously with the Hydrant Hysteria competition, resulting with Jon VanDommelen in first and Richard Garza II in second.

The Joint Expo Mixer was a great time and attended by more people than ever. A special thank you to our Mixer Sponsors!
MARK YOUR CALENDARS

2021 Joint Expo & Operators Day will be held February 2 and 3 in Lansing.
What Every Operator Must Know

By Robert Miller, Education and Training Council

When a project has reached the point at which newly laid water main has been connected, but not yet charged, there are a few steps that need to take place that should involve a licensed operator."

In the last issue of Michigan Water Works News, we introduced a piece entitled What Every Operator Must Know. In that first installment, we touched on the responsibilities of licensed operators in the distribution system, particularly the Operator-In-Charge. One of those responsibilities, and an area where our staff continue to be met with questions and doubt, is the disinfection of new water main. If this sounds ridiculous, and you have had the privilege of working with only trusted, local contractors familiar with your systems’ construction specs and the AWWA and 10-State Standards, you’re fortunate. For anyone that’s ever struggled with this, the MI-AWWA would like to be of assistance.

When a project has reached the point at which newly laid water main has been connected, but not yet charged, there are a few steps that need to take place that should involve a licensed operator. The first is the pressure test, where the newly installed pipe proves out the integrity of the joints. This process should have oversight from a licensed operator or a PE.

After a successful test, the main must be disinfected. AWWA dictates an initial concentration of not less than 25 mg/L measured as free chlorine. This concentration should be uniform throughout the main. After 24 hours, the free chlorine residual must measure not less than 10 mg/L. When these conditions are met, the main can be flushed until chlorine residual drops to system levels.

Before jumping into your bactis (more to come on this), make sure you record the type of disinfectant used, time of injection into main, the initial and the 24-hour chlorine residuals, time/date of flushing, and chlorine residual after flushing. New main construction is obviously just one of many scenarios that require proper disinfection.

Though we can’t provide great detail here, I hope this can serve as reminder to my fellow operators that our list of expectations is long, and very clear when it comes to disinfection. A great resource for everything discussed above is the AWWA C651 Manual, and of course, the MI-AWWA Education and Training Council.

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The Michigan Section of the American Water Works Association and the Michigan Water Environment Association have retained Midwest Strategy Group, a Lansing based multi-client lobbying firm, to advocate for both organizations on water-related issues. This cooperative sharing of lobbying resources allows both organizations to be involved with legislation and the regulatory process in Lansing. You will routinely see Mike Compagnoni and Dave Hodgkins from Midwest Strategy Group providing legislative updates and advocacy services on both organizations’ behalf.

The team at Midwest Strategy Group has engaged in lobbying for changes to bills moving through the legislative process on drinking water, pushed forward bills on stormwater utilities and liabilities, and worked directly on securing funds for water infrastructure in the state budget.

Recently, Governor Whitmer unveiled the Executive Budget Recommendation, which functions as a road map for the creation of the annual state budget. Michigan legislators and the Governor must collaborate to pass a budget by September 30. This process is kickstarted by the Governor’s recommendation, allowing the legislature a starting point to begin developing competing budget proposals. Later in the budget process, as we move through spring and into summer, the legislature and Governor will negotiate and reconcile their budget differences, generating a final consensus budget to be signed into law.

As additional background on the budget, the finalized FY2019-20 budget contained $120 million in new funding for water-related areas, including Lead and Copper Rule Implementation, drinking water loan forgiveness, and dollars to manage emerging contaminants. This year’s budget recommendation contains $40 million in new proposed spending on infrastructure to help combat higher water levels, erosion, and heavier rainfalls. As you know, this is a major issue across the state and Midwest Strategy Group will be advocating for the interests of both organizations on this subject through the budget process.

Should you ever have questions about ongoing legislation, please feel free to reach out to Mike Compagnoni or Dave Hodgkins at 517-853-0537 or via email at compagnoni@midweststrategy.com or hodgkins@midweststrategy.com.

Celebrate Water in May

May is Water Awareness Month in Michigan. MI-AWWA partners with MWEA to help promote the complete water cycle.

Award Nominations Due Soon

Help recognize a colleague or team member. Nominate someone you know for an award. For more information on all the awards available, visit the MI-AWWA website. Deadline for nominations is June 1.
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LEAD AND COPPER RULE

By Tom Traciak

The starting point in developing a funding plan for lead service line replacement is the Water Asset Management Plan (AMP). Even if you have not done asset management planning for the water system, you will be drawn into doing it for lead service line replacement spending due to the 20-year replacement window defined in the Lead and Copper Rule (LCR). This requires long term planning, i.e. the primary difference between doing a rate study with a typical five-year forecast and doing an asset management plan is the longer forecast period for asset replacement and user rate management in an AMP.

Communities are required to include LCR costs in the AMP reporting to the Michigan Department of Environment, Great Lakes and Energy (EGLE) starting in 2020. All communities with LCR problems or unknowns must update their AMP and include LCR criticality in the updated reporting this year.

In addition, service line replacement requirements start in 2021. A plan to address, on average, 5% of the necessary replacements every year for 20 years needs to be included in the 2020 filing. Where do you start? Talk to your public works, engineering, and finance teams. The updated AMP submittal to EGLE (previously due January 1, 2018) with a financial forecast is due to EGLE by the end of 2020.

When doing a cash flow forecast in an AMP, you are balancing three things like a three-legged stool: [1] user rates, [2] capital spending, and [3] cash balances. Since the service line replacement may not be supported by a direct charge to the property owner according to the LCR, user rates will be the go-to source of revenue. The spending on service line replacement will be incorporated into the community’s other capital spending. Cash balance is the “solve to” factor in the cash flow, meaning that it will be a primary part of the decision-making process on whether a community will comply with LCR through cash spending, debt issuance, or both.

Once you have incorporated your LCR service line replacement spending into the cash flow forecast of your AMP, you may find that it can be fully funded through cash spending. In fact, it may be the objective of the community’s policy makers that only cash be used even if that means adjustment to user rates. On the other hand, you may find that debt issuance becomes preferred or essentially necessary.

If you decide to engage in debt issuance, contact your financing team as soon as possible! This debt issuance has more complicating factors than a typical water system bond issue. Most of the complication comes from making improvements on private property. The State Constitution prohibits the lending of credit for improvement of private property, but the public purpose of providing safe water overrides this prohibition. However, you still must deal with financing an improvement on private property. It is inadvisable to simply issue debt without the project scope being well defined, so you will need to identify the services to be replaced. In addition, you will need to decide whether the debt issuance will be funding service line replacements only, or if the service line replacements are part of a larger project scope. This may be an important component in determining what type of debt funding and grant options are available.

There may be more than one answer to the process of debt issuance involving private property. The bond attorney will be key to providing guidance to the community and financial advisor. One answer may be obtaining an agreement with each property owner that simply allows access. Another answer may be obtaining easements on each property. While agreements or easements may be pertinent to cash or debt funding, this will definitely have bond issue implications. These approaches will add significant time to the project development process. So before finalizing your approach with property owners, you should bring in the financing team to discuss what is necessary for the bond process. Bottom line: you will be able to issue debt for the purpose of service line replacement, but early planning will be critical.

So, let’s assume that you have spoken with your finance team, you have decided on your process with property owners, and you are ready to start issuing debt. What does the bond issuance look like?

First, you will need to determine what type of bonds will be issued:

- Revenue Bonds are a likely option. One advantage is that they do not count toward the community’s debt limit. However, there are various commitments including rate covenants and debt service reserve.
- Limited Tax General Obligation Bonds are often used for water and sewer projects where there is plenty of debt limit available.
- Unlimited Tax General Obligation Bonds are voter approved and paid by millage instead of rates. This would be an unusual choice for water or sewer projects, but one that is possible and one that the policy makers should be made aware.

Second, you will need to determine who will buy the bonds:

- The Drinking Water Revolving Fund will likely be the go-to financing source. The interest rate is below market and there may be the potential of principal forgiveness.
- The open market in which you sell to banks and/or brokers.
- USDA Rural Development has generally indicated that funding is unlikely. However, there may be instances of support: for example, as part of a larger project replacing public and private water lines and where easements are obtained on private property and with USDA providing loan only (no grant) for the improvements
Commodity Charge may become the most popular option. It is often regarded as being the most equitable form of charge given that each customer pays for what they use.

Ready-to-Serve (RTS) Charge is based on meter size and is related to fixed costs of the system. At first glance, this might seem like a good option because it ties the charge to the meter size and in turn ties to the service line. However, there is not a direct correlation between meter charge ratios and the cost of service line replacement. Service line replacements are not a fixed cost, which is what is intended to be supported by an RTS Charge.

Here is something to consider in this discussion: what customers will receive a service line replacement? Two-inch and smaller? Maybe not even two-inch? So not all customers will be receiving an individual benefit from this effort. The benefit, from a regulatory, legal and practical view, is public health and welfare by delivering safe drinking water through a public water utility. Hence, the selection of a cost recovery method may best be based on the equitable distribution of cost across the entire customer base, i.e. commodity charge. However, it should be noted that there is no textbook answer and the final decision rests with the community’s policy makers.

One other idea would be to add a specific LCR Charge to the bill. You see this in other bills: if you look at your last phone bill you will see a charge for 911, and other utility bills often have regulatory fees identified. LCR is essentially a regulatory cost, so maybe you identify the LCR service line replacement cost and establish a specific user rate. The rate revenue from an LCR Charge could go into a separate fund or simply be deposited in the Water Fund as a system revenue. Generally speaking, separate charges based on some identified purpose are unnecessary and cumbersome in that all revenues are applied first to operations, second to debt, third to debt reserve and lastly to capital cost. That being said, a separate LCR Charge may be considered an effective communication device by policy makers.

One point to be stressed above all: consult your attorneys, both general counsel and bond counsel, on all the aspects of funding service line replacements. The LCR Rule is still in its infancy and as you can see from this discussion and talking to others involved in the industry, there is still a lot to discover and vet about the LCR and how to fund and comply.

In conclusion, engage your finance team early in the process in order to best explore all funding options. But first, update that AMP!

If you would like more information on the joint MI-AWWA/MWEA Asset and Infrastructure Management Committee, please contact the committee secretary Maureen Wegener (maureen.wegener@c2ae.com), or Co-Chairs Deann Falkowski (defalkowski@ftch.com) and Lindsey Kerkez (lindsey.kerkez@ohm-advisors.com).
BUSY FEW MONTHS FOR YPs

The Young Professionals (YPs) have been busy these past few months with joint networking events. The AWWA YPs partnered with the APWA YPs and the MWEA New Professionals to host joint holiday mixers on the east and west side of the state. Events were held in Grand Rapids and Farmington Hills, with an average of 60 attendees at each event. On top of these events, the YPs also hosted a mixer at Joint Expo & Operators Day, with record attendance at the Lansing Brewery. Thank you again to our Joint Expo sponsors for making the event possible.

The YPs also host educational events by providing tours. If you’ve been wanting to get involved, be on the lookout for our plant tour on the east side of the state later this year. We will have a guided tour with the opportunity for in-depth questions at a specified facility. As always, all AWWA members are welcome. Details will be posted on the website calendar once they are available.

Grand Rapids Holiday Party.

Farmington Hills Holiday Party.

Joint Expo & Operators Day Mixer.
MACKINAC ISLAND – When the leaves begin to fall and the last business shutters its doors for the long winter lull, it’s still business as usual for the Water Division on Mackinac Island.

There are about 500 year-round residents that rely on clean drinking water outside of the tourism season, according to Allen Burt, the Water Division manager on Mackinac Island. The water plant is located on the southeast side of the island, outside of town and below Robinson’s Folly, just past Mission Point Resort. It’s nestled around rock formations and peers out into the vast blue waterfront.
There are about 500 year-round residents that rely on clean drinking water outside of the tourism season.

This means the winter is when membrane filtration plant and valve repairs, as well as pipe painting and general maintenance, take place.

“Spring and fall are where we are really busy because we have around 300 services that are seasonal, so we shut off at the street and pull the meter,” he said. “Then the plumbers come in behind us and drain the houses.”

Burt, in his 23rd year on the island, works year-round Monday through Friday at the plant. These days, when the snow is blowing, and the sun is hiding behind gray clouds, Burt and his crew begin each day by firing up air compressors. They start at 9 a.m. when they do readings and record keeping, he said. By 10 a.m., they’re running the first lab of the day.

“Because we’re not adding anything to the water, it’s a fairly simple lab sequence,” he said.

Burt’s day includes fielding calls, project planning, working on continuing education, and running the plant, which doesn’t experience the same kind of tourist traffic as the rest of the island.

“As far as an island job, it’s pretty serene,” he said.

Since the island isn’t accumulating nearly as much snow right now as it typically charts in February, the boats are still running to and from Mackinaw City.

“We have what we lovingly call the ‘Carhartt Army’ that comes off the boat in
the morning,” he said. “It’s contractors and construction workers who are doing all of the hotel renovations and infrastructural work that has to be done in the off season.”

Any chemicals the island needs are brought over by boat during the warmer seasons and are meant to last through the winter. Burt said they need to be sure they have their supplies before Christmas, as the boats traveling across the lake can be completely unpredictable. It’s hard to predict how the lake is going to ice over, he said.

“All of our fluoride, hypochlorite, citric acid, [and] chlorine gas all have to be here before Christmas,” he said.

The treatment plant typically keeps nine cylinders of chlorine on the island, which is more than enough before the freight boats start back up. It’s an operation that runs like clockwork behind the scenes to provide clean drinking water to all who need it on the island. Yet the average island tourist
would hardly notice the water plant during the tourism season.

“We blend in,” Burt said. “We’re a non-descript building right on the water.”

The plant is not a 24-hour operation and was built in 1986 during a high-water year. It has underground storage tanks atop the hill of the island where the water is pumped during the day, followed by gravity filtering overnight.

Burt is hoping the current high-water levels don’t affect the process. They’ve put rip-rap barricades around the building on the shore side, since they are not experiencing the erosion being seen north and south of the plant.

“During some storm days, there’s been some water surge up onto the road and coming toward our building,” he said. “In anticipation of higher levels, we’ve secured some sandbags and we’ll be able to quickly head any of that off if it becomes a problem.”

"THE PLANT IN ITS CURRENT LOCATION WAS BUILT AS A SAND FILTRATION PLANT AND WAS UPGRADED TO CAPACITY WHILE STAYING WITHIN THE EXISTING FOOTPRINT.”

In response to the Safe Drinking Water Act, the plant had a chlorinated supply that came in to a building north of Arch Rock on the island but didn’t utilize filtration. The plant in its current location was built as a sand filtration plant and was upgraded to capacity while staying within the existing footprint.

“We got rid of the sand filters and switched to membrane filtration in 1998,” he said. “When we installed the filters, there was a great picture with one of the filter skids coming through town by horse.”

The filters were built in Australia, traveled to Los Angeles by container on a boat, where they were shipped to Chicago via train, trucked from Chicago to St. Ignace, transported to the island from St. Ignace by boat, and moved from the dock to the plant by horse, he said.

Since then, there have been a few changes in the water filtration process — using lower water pressure now than when they first started and adding chlorine-resistant membranes, Burt said. This means the operators are able to pre-chlorinate to keep the membranes cleaner between the chemical cleans.
MEMBERSHIP SUMMIT

Seventy degrees and sunny in Denver. Too bad that was on Sunday, February 2, and the 2020 Membership Summit began on Wednesday, February 5, where the temperature had dropped about 40 degrees — but the beautiful views of the mountains and gracious hosts at the Denver headquarters made up for the weather. Every year, staff and volunteers from all over the US and Canada come together in Denver to discuss membership recruitment, retention, and engagement, and this year was no different. The sessions focused on the different types of memberships and their benefits, using your strengths when dealing with others, learning how AWWA compares with other organizations in the water sector, how to deal with privacy issues, etc. We had a chance to gather with other people in our region and discuss topics that concern various Sections and give tips and ideas for success. Our discussions focused on student memberships/chapters and how to recruit people into the water sector. AWWA also used this time to set retention and recruitment goals for 2020. This year, any Section with positive net growth and/or 65% first year retention rate will be eligible to receive cash incentives for their Section. Speaking of goals, I’m happy to announce that the Michigan Section was awarded $1,381 for meeting their first-year retention goal in 2019. So, let’s all work together to help recruit, engage, and retain MI-AWWA members in 2020 so we can meet those new goals. It’s as simple as talking to people at events, encouraging volunteering, volunteering yourself, promoting the value of MI-AWWA, etc.

WELCOME NEW MEMBERS

Members who joined through February 29, 2020

Sarah Ahn, Great Lakes Water Authority
Jillian Ashton
Erik Batt, Byron-Gaines Utility Authority
Dale Bennett, Great Lakes Water Authority
Pieter Beyer, Holland Board of Public Works
Bridgeport Water Supply
Janna Brown, Prein&Newhof
Jiarui Cai
City of Clio
Jeff Dutton, Eurofins
Michael J Hansen, Fishbeck
Adam Haubenstricker, Ann Arbor Charter Township
Charlene Hudson, Sebewaing Light & Water Department
Amanda Hungerford, Silversmith, Inc.
Charlotte R Jameson, Michigan Environmental Council
Sean Knapp, Ypsilanti Community Utilities Authority

Logan Knoper, University of Michigan
Matthew Lawrence, City of Rose City
Tamara Mathews
Shelley Mayer
James Messineo
Peter O’Donnell, Matco-Norca, Inc.
Carl Overly, Bay Area Water Treatment Plant
Emily Pearson
Marc C Pieti, Michigan American Water
Ben Thomas
Daniel Thomas Ridderbos, Prein&Newhof
Ryan Stetler, Ypsilanti Community Utilities Authority
Kurt Tribbett, City of Battle Creek
Ariana Wade
Eric Wiederhold, City of Clio
Cheryl Yapo, Great Lakes Water Authority
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If your water supply gets a positive routine sample result, do you know how to keep the water supply in compliance with the Safe Drinking Water Act (Act 399)? Following the notification of a routine positive result, Act 399 requires actions that fall under various rules, the Revised Total Coliform Rule (RTCR), the Disinfection and Disinfection Byproduct Rule (DDBPR), and the Groundwater Rule (GWR).

Community water supplies must collect a minimum number of routine bacteriological samples each month. Samples must be tested for total coliform bacteria. If any sample is positive for total coliform, it must be analyzed for E. coli.

What else do I need to do if my routine sample is total coliform-positive?
When routine samples are total coliform-positive, the RTCR requires additional compliance samples to be collected within 24 hours of notification of the routine sample result. These are called repeat samples. Three repeat samples must be collected in the distribution system for each routine positive in accordance with the water supply’s Bacteriological Sample Siting Plan (Figure 1). If the water supply is chlorinated, the DDBPR requires chlorine residuals be measured during repeat sampling.

The GWR requires groundwater systems to collect a raw water sample from each well within the same 24 hours, for each routine positive result (Figure 1). These are called triggered well samples. Supplies that purchase water (consecutive supplies) are required to inform their wholesale supplier of the routine positive result within 24 hours. It is then the wholesale supply’s responsibility to collect raw water samples from each well.

Can you give me some examples of how this would work?

Example 1:
Supply Z has four groundwater wells and collects five routine distribution samples per month. Samples were collected on January 6 and mailed to the lab. The lab received the samples on January 7 and the analysis was complete on January 8. The lab informed the supply of three total coliform-positive (E. coli-negative) sample results on January 8 at noon. Supply Z must collect nine repeat samples (three for each routine positive) and 12 raw well samples (one set of four for each routine positive) by noon on January 9.

Example 2:
Supply A purchases groundwater from Supply C, which has five groundwater wells. Supply A collects three routine distribution samples on September 15. At 4:30 p.m. on September 16, the lab informs Supply A that one sample is total coliform-positive and E. coli-positive. Supply A must inform the Department of Environment, Great Lakes, and Energy (EGLE) of the E. coli-positive result by the end of the day, September 16. Supply A collects three repeat samples in the morning of September 17, as well as informs Supply C of their routine positive sample. Supply C must collect five raw well samples in the afternoon of September 17.

For more information about the Community Water Supply program and the Revised Total Coliform Rule, visit www.michigan.gov/communitywater. You can find guidance for the Revised Total Coliform Rule in the Laws and Rules section. Please contact your district office if you have questions or are unsure how to respond to a total coliform-positive sample result.
The deadline for distribution of the 2019 CCR is coming up fast! This report must be submitted to bill-paying consumers, your local health department, and the Department of Environment, Great Lakes and Energy (EGLE) by July 1, 2020. As a reminder, there were some new CCR requirements that went into effect beginning in 2019:

- CCR data tables must include the range of individual lead and copper sample results.
- Supplies must state how many lead service lines, service lines of unknown material, and total service lines are present in the water system (if applicable).

**New Resources Available**

Check out two new recorded webinars at [www.michigan.gov/communitywater](http://www.michigan.gov/communitywater), under the Consumer Confidence Report Rule link:

- **CCR Basics** focuses on general CCR rule requirements, delivery options, and best practices. This training applies to all community water supplies and aims to educate water operators and administrative staff regarding the intricacies of the CCR.
- **Increasing Readability of CCRs** is a webinar aimed at providing guidance to water supplies who wish to make their reports more understandable for their consumers. While this training covers a brief overview of the CCR, it also defines readability, highlights considerations for developing a CCR, and presents examples of ways to improve accessibility for consumers.

"IF YOU WOULD LIKE A DRAFT CCR REVIEWED BY EGLE STAFF, PLEASE SUBMIT IT TO YOUR EGLE DISTRICT OFFICE EMAIL BOX BY JUNE 1, 2020."

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Krista Robinson, Environmental Quality Analyst 517-599-8655
John Karnes, Environmental Quality Analyst 517-284-6570
Brittany Earles, Environmental Quality Analyst 517-284-6583
Ariel Zoldan, Environmental Quality Analyst 517-599-8684

Operator Training & Certification Unit
Koren Carpenter, Unit Supervisor 517-284-6857
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Brianna Moore, Environmental Quality Analyst 517-284-5426
John Koenigskeith, Environmental Tech 517-284-5430
Edith Monteiro, Office Assistant 517-284-5197

Lead & Copper Unit
Brandon Onan, P.E., Unit Supervisor 616-307-5773
Jeni Bolt, Environmental Quality Specialist 517-331-5161
Holly Gohike, Environmental Quality Specialist 989-705-3422
Heather Jackson, Environmental Quality Analyst 517-284-6537
Steve Pennington, Environmental Quality Analyst 517-284-6537
Vacant, Corrosion Control Engineer
Did you know that every menu option offers content on the website? For example, if you want to explore career opportunities, you have two choices: roll your mouse over Careers in Water. From here, a drop-down menu opens. You can either click on Careers in Water or you can click on Career Center.

Careers in Water offers you an opportunity to click through to national opportunities or the Section’s Career Center.

The Career Center brings you to the Michigan job posting site.

Click on search openings to begin looking for jobs in Michigan.
In February, MI-AWWA launched a new webinar series called Water Solutions. These monthly one-hour online sessions offer focused discussion on a single water-related topic. A computer or mobile device with internet access is required to participate. Audio for the webinar can be done through the computer or via phone, whichever is most convenient for the participant. Some municipalities may need to work with their IT departments to enable GoToMeeting on the computer or mobile device they will be using for the session.

**Earn CEC**
The sessions are designed to monitor engagement and individuals are required to answer poll questions during the session. At the end of the session, each participant will be emailed a link to a short online quiz related to the session. Each individual must take and pass the quiz. Credit will be given based on a system generated participation score as well as passing the quiz.

**Register**
Registration is just $30 for the first member, and $5 for all subsequent registrants. Group listening sessions are permitted but all participants must be pre-registered in order to receive continuing education credit. If you want to hold a group listening session, please contact staff for further instructions.

2020 sessions are scheduled for the second Thursday of the month between February and November.
- April 9: Science of Mixing and Improving Water Quality in Water Storage Tanks
- May 14: Managing Distribution System Water Quality Challenges
- June 11: 3D Utility Modeling and Smart Infrastructure Solutions
- July 9: Chlorine in Drinking Water Treatment: An Operator’s Perspective
- August 13: Water Treatment with UV
- September 10: An Introduction to Trenchless Technology
- October 8: An Asset Management Approach for Valves and Hydrants
- November 12: Understanding Pump Curves

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<thead>
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<th>MONDAY</th>
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<td>Groundwater Treatment Seminar with Hamlett Environmental</td>
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**June 2020**

**July 2020**

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VISION
MI-AWWA is a vital community of water professionals, leading the advancement of water knowledge and improving the value and quality of water in our lives.

MISSION
MI-AWWA’s mission is to provide education, advocacy, career development, the exchange of knowledge, and opportunities to:
• Protect public health, safety and welfare.
• Promote the value of water and its impacts on quality of life.
• Advocate for the vitality of water in economic development and sustainability of our communities.
• Make a difference in people’s lives.

The Michigan Section of the American Water Works Association (MI-AWWA) represents nearly 1,600 water professionals throughout Michigan. MI-AWWA strives to bring value to its members through high quality programs and services as well as fulfilling volunteer experiences. MI-AWWA is a member-driven organization with programs being developed for and by water professionals, many of whom volunteer their time and expertise. Others exemplify outstanding service to their communities and are recognized through the many awards offered through MI-AWWA. Thank you for your dedication to the water sector!
<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Role</th>
<th>Organization/Location</th>
<th>Years of Membership</th>
</tr>
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<tbody>
<tr>
<td>Kyle Bentley</td>
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<td>Farmington Hills, MI</td>
<td>Member since 1976</td>
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<tr>
<td>Richard Benzie</td>
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<td>Member since 1991</td>
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<td>Ray Berkin</td>
<td>Allegan, MI</td>
<td></td>
<td>Member since 1987</td>
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<td>Berlin Township</td>
<td>Newport, MI</td>
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<td>Member since 1994</td>
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<td>Beverly Hills, MI</td>
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<td>Village of Beulah</td>
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<td>Member since 2013</td>
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<td>Pieter Beyer</td>
<td>Holland Board of Public Works, Holland, MI</td>
<td></td>
<td>Member since 2020</td>
</tr>
<tr>
<td>Andy Biddle</td>
<td>City of Saginaw, Saginaw, MI</td>
<td></td>
<td>Member since 2018</td>
</tr>
<tr>
<td>Terry Biederman</td>
<td>Flushing, MI</td>
<td></td>
<td>Member since 1989</td>
</tr>
<tr>
<td>Steve Biela</td>
<td>PAC Engineering LLC, Lambertville, MI</td>
<td></td>
<td>Member since 2015</td>
</tr>
<tr>
<td>Big Rapids Water Plant</td>
<td>Big Rapids, MI</td>
<td></td>
<td>Member since 1989</td>
</tr>
<tr>
<td>Robert Bincsik</td>
<td>City of Flint, Flint, MI</td>
<td></td>
<td>Member since 2016</td>
</tr>
<tr>
<td>Village of Birch Run</td>
<td>Birch Run, MI</td>
<td></td>
<td>Member since 1998</td>
</tr>
<tr>
<td>Nicholas Birksensaw</td>
<td>Worth Township, Department of Public Works, Lexington, MI</td>
<td>Member since 2018</td>
<td></td>
</tr>
<tr>
<td>David Bissell</td>
<td>City of Frankfurt, Frankfurt, MI</td>
<td></td>
<td>Member since 2001</td>
</tr>
<tr>
<td>Jerome Bivins</td>
<td>City of Inkster, Inkster, MI</td>
<td></td>
<td>Member since 2012</td>
</tr>
<tr>
<td>Kelsey Blackburn</td>
<td>City of Jackson, Jackson, MI</td>
<td></td>
<td>Member since 2018</td>
</tr>
<tr>
<td>Terry Blanias</td>
<td>City of Springfield, Springfield, MI</td>
<td></td>
<td>Member since 2015</td>
</tr>
<tr>
<td>Nick Blasko</td>
<td>Village of Kalkaska, Kalkaska, MI</td>
<td></td>
<td>Member since 1975</td>
</tr>
<tr>
<td>Jon Bloemker</td>
<td>Manton, MI</td>
<td></td>
<td>Member since 2016</td>
</tr>
<tr>
<td>Bloomfield Township</td>
<td>Bloomfield Hills, MI</td>
<td></td>
<td>Member since 1976</td>
</tr>
<tr>
<td>Kimberly Blythe</td>
<td>City of Reading, Reading, MI</td>
<td></td>
<td>Member since 2015</td>
</tr>
<tr>
<td>Andrew Bootright</td>
<td>Zeeland Board of Public Works, Zeeland, MI</td>
<td></td>
<td>Member since 2019</td>
</tr>
<tr>
<td>Brian Boesel</td>
<td>Ann Arbor Charter Township, Ann Arbor, MI</td>
<td></td>
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<tr>
<td>Rusty Boeskel</td>
<td>City of Fremont, Fremont, MI</td>
<td></td>
<td>Member since 2009</td>
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<tr>
<td>Gregory Boggs</td>
<td>Grand Blanc Township, Grand Blanc, MI</td>
<td></td>
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<tr>
<td>William Buhlen</td>
<td>Bay County Department of Water and Sewer, Bay City, MI</td>
<td>Member since 2018</td>
<td></td>
</tr>
<tr>
<td>Dave Bolan</td>
<td>Lansing Board of Water and Light, Lansing, MI</td>
<td></td>
<td>Member since 2018</td>
</tr>
<tr>
<td>Daniel Bolster</td>
<td>City of Monroe, Monroe, MI</td>
<td></td>
<td>Member since 2017</td>
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<tr>
<td>Phillip Boman</td>
<td>Village of Benzonia, Benzonia, MI</td>
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<td>Theodore Bomba</td>
<td>Saginaw Water Treatment Plant, Saginaw, MI</td>
<td></td>
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<tr>
<td>Eric Bondy</td>
<td>French Town Water, Newport, MI</td>
<td></td>
<td>Member since 2015</td>
</tr>
<tr>
<td>Joseph Bonhomme</td>
<td>City of Kalamazoo, Department of Public Services, Kalamazoo, MI</td>
<td>Member since 2000</td>
<td></td>
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<tr>
<td>Andrea Boot</td>
<td>City of Wyoming, Wyoming, MI</td>
<td></td>
<td>Member since 2003</td>
</tr>
<tr>
<td>Michael Borths</td>
<td>Infrastructure Alternatives, Menominee, MI</td>
<td></td>
<td>Member since 1997</td>
</tr>
<tr>
<td>Scott Boshart</td>
<td>City of Bad Axe, Bad Axe, MI</td>
<td></td>
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</tr>
<tr>
<td>Steve Boss</td>
<td>Jamestown Charter Township, Hudsonville, MI</td>
<td></td>
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</tr>
<tr>
<td>Keith Boswell</td>
<td>National Pipeline Services, Mount Pleasant, MI</td>
<td></td>
<td>Member since 2015</td>
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<tr>
<td>Kyle Botbyl</td>
<td>Nunica, MI</td>
<td></td>
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<td>City of Rochester Hills Water Department, Rochester Hills, MI</td>
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</tbody>
</table>
Aaron Coppersmith  
Holland Charter Township  
Holland, MI  
Member since 2007

Steven Corrion  
Village of Pigeon  
Pigeon, MI  
Member since 2019

Jason Coslow  
Terrox Development Company  
Holt, MI  
Member since 2008

Barry Cox  
City of Sturgis  
Sturgis, MI  
Member since 2004

Robert Cox  
City of Auburn Hills  
Auburn Hills, MI  
Member since 2010

Loren Crandell  
Giffels-Webster Engineers  
Washington Township, MI  
Member since 1996

Steve Cross  
Geneseo Co. Drain Commission WWS  
Columbiana, MI  
Member since 2019

Crosswell Water Department  
Crosswell, MI  
Member since 2014

Michael Crowley  
Michigan Pipe and Valve  
Traverse City, MI  
Member since 2007

Ben Croy  
City of Novi Water Department  
Novi, MI  
Member since 2016

John Crumb  
Gull Lake Sewer and Water Authority  
Richland, MI  
Member since 2000

Jerry Culman  
Leelanau County  
Suttons Bay, MI  
Member since 2007

David Cunningham  
City of Iona-Osip Ionia, MI  
Member since 2012

Matt Curtin  
City of Rochester Hills  
Rochester Hills, MI  
Member since 2017

Charles Cushman  
Otsego Township  
Otsego, MI  
Member since 2015

Mike Cutler  
Crystal Mountain  
Thompsonville, MI  
Member since 2004

David Cyrus  
Holland Board of Public Works  
Holland, MI  
Member since 2008

Daniel Czarnecki  
City of Fenton  
Fenton, MI  
Member since 2011

Helen Davis  
Hubbell, Roth and Clark, Inc.  
Bloomfield Hills, MI  
Member since 2014

Mackenzie Davis  
Olmsted, MI  
Member since 2000

City of Davison  
Davison, MI  
Member since 2013

Ken De Leeuw  
City of Rochester  
Rochester Hills, MI  
Member since 2018

Kara Dean  
Michigan State University  
East Lansing, MI  
Member since 2019

Michael Dearing  
Charter Township of Union  
Mount Pleasant, MI  
Member since 2003

Shannan Deater  
City of Kalamazoo  
Department of Public Services  
Kalamazoo, MI  
Member since 2017

John DeBoyer  
Clay Township Water Department  
Clay, MI  
Member since 2004

Scott Decker  
Village of Nashville  
Nashville, MI  
Member since 2000

Julie DeCook  
Holland Board of Public Works  
Holland, MI  
Member since 2019

William Dedoe  
Clyde Township  
Clyde, MI  
Member since 1993

Donald DeGrand  
Gladstone, MI  
Member since 1985

Mark Dehaan  
Grand Rapids, MI  
Member since 2016

John DeKam  
Saginaw, MI  
Member since 1993

Adam DeYoung  
City of Fenton  
Fenton, MI  
Member since 2012

Kenneth Dey  
Tittabawassee Township  
Department of Public Works  
Freeland, MI  
Member since 2019

Adam DeYoung  
City of Grand Rapids  
Grand Rapids, MI  
Member since 2015

Rory Dickey  
City of St. Joseph  
Bentzong Harbor, MI  
Member since 2012

Derek Diederich  
Waterford Township  
Water and Sewerage  
Waterford, MI  
Member since 1998

David Diem  
City of Essexville  
Essexville, MI  
Member since 2014

Thomas DeLauro Consulting  
Detroit, MI  
Member since 1988

Delta Charter Township  
Lansing, MI  
Member since 1973

Jason Deman  
City of Auburn Hills  
Auburn Hills, MI  
Member since 2019

Jack Dillon  
Village of Onsted  
Onsted, MI  
Member since 2018

Chris Dempster  
Bof Filter Corporation  
Novi, MI  
Member since 2001

Robert Demyanovich  
Brighton, MI  
Member since 2006

Nicholas Denison  
Bangor-Monitor Metro District  
Bay City, MI  
Member since 2018

Derek Desgranges  
Village of Sunfield  
Sunfield, MI  
Member since 2014

Donald Detemple  
Infrastructure Alternatives  
Menominee, MI  
Member since 1995

Detroit Water and Sewerage  
Detroit, MI  
Member since 1968

Donald DeVries  
Fleis and Vandenbrink Engineering  
Muskegon, MI  
Member since 1988

Ross DeVries  
Holland Board of Public Works  
Holland, MI  
Member since 2010

Scott DeVries  
City of Williamston  
Williamston, MI  
Member since 1997

City of Dexter Utilities  
Dexter, MI  
Member since 2012

Thad Domick  
Genesee County Water Plant  
Vassar, MI  
Member since 2018

Wayne Domine  
South Lyon, MI  
Member since 1992

Jacob Donahoe  
Infrastructure Alternatives  
Rockford, MI  
Member since 2018

William Doan  
Fenton, MI  
Member since 1997

Jason Dobson  
Berkley Township  
Newport, MI  
Member since 2016

John Dobson  
Mount Clemens Utility Department  
Mount Clemens, MI  
Member since 2002

Darren Dimma  
General Motors LLC  
DeWitt, MI  
Member since 2001

Bob Dion  
City of Bay City  
Bay City, MI  
Member since 2014

Mark Disselkoon  
City of North Muskegon  
N Muskegon, MI  
Member since 2019

John Divozzo  
Grand Traverse County  
Department of Public Works  
Traverse City, MI  
Member since 2002

Dixon Engineering, Inc.  
Lake Odessa, MI  
Member since 1987

William Dixon  
Dixon Engineering, Inc.  
Lake Odessa, MI  
Member since 1984

Jonathan Dmitruk  
City of Wyoming  
Utilities Department  
Holland, MI  
Member since 2012

David Dmytryka  
Dmytryka Jacobs Engineers  
Toledo, OH  
Member since 1995

Leo Doan  
Fenton, MI  
Member since 1997

Ken De Leeuw  
Davison, MI  
Member since 2018

Robert Dobson  
Bangor-Monitor Metro District  
Bay City, MI  
Member since 2014
Jeff Fordice
City of Saline
Saline, MI
Member since 2018

Guy Forstrom
Charter Township of Breitung
Quinnesec, MI
Member since 1985

Kathryn Foster
NSF International
Ann Arbor, MI
Member since 2016

Katie Fotherby
Bloomfield Township
Bloomfield Hills, MI
Member since 2017

Lisa Fought
RCAP
Harbor Springs, MI
Member since 2018

Marc Fournier
Eagle Mine
Sault Sainte Marie, MI
Member since 2011

Mark Fowler
City of Boyne City
East Jordan, MI
Member since 2007

Village of Fowlerville
Fowlerville, MI
Member since 2016

Jeffrey Fox
City of Rochester Hills
Rochester Hills, MI
Member since 2012

Eric Francik
Grand Rapids Water Department
Grand Rapids, MI
Member since 2016

Sue Franz
Holland Board of Public Works
Holland, MI
Member since 2019

Paul Freedman
Limno-Tech, Inc.
Ann Arbor, MI
Member since 1996

George Freiberg
Marion, MI
Member since 2008

City of Fremont
Fremont, MI
Member since 1987

Arlan Frisvall
Keweenaw Bay Indian Community
Keweenaw Bay, MI
Member since 2016

William Fritz
Great Lakes Water Authority
Detroit, MI
Member since 1995

Ira Gabin
Dixon Engineering, Inc.
Dewitt, MI
Member since 1985

Mary Gaedt
Waterford, MI
Member since 2001

Derek Gajdos
City of Grand Haven
Department of Public Works
Grand Haven, MI
Member since 2000

City of Galesburg
Galesburg, MI
Member since 2018

Tammi Gall
Mead and Hunt
Cheboygan, MI
Member since 2017

Troy Gallagher
Mead and Hunt
Marquette, MI
Member since 2002

James Gallogly
City of Northville Water and Sewer
Northville, MI
Member since 1996

Tyler Ganus
Southeast Berrien County Landfill Authority
Niles, MI
Member since 2019

Richie Garcia
South Haven
Board of Public Utilities
South Haven, MI
Member since 2016

Drew Gariepy
Redford, MI
Member since 1995

Malcolm Garrett
Great Lakes Water Authority
Detroit, MI
Member since 2019

Grant Gartrell
Great Lakes Water Authority
Detroit, MI
Member since 2002

Douglas Gay
City of Grand Rapids
West Olive, MI
Member since 2007

Christopher Geiger
Holland Board of Public Works
Holland, MI
Member since 2012

Ken Gensterblum
City of Portland
Portland, MI
Member since 2006

Matt Gergen
City of Hastings
Hastings, MI
Member since 2019

Adam Gerlach
City of Plymouth
Plymouth, MI
Member since 2019

Michael Gerstweiler
Phibun
Muskegon, MI
Member since 2019

Mike Gibson
Village of Climax
Climax, MI
Member since 2008

Samantha Giffel
Grand Rapids Water Department
Grand Rapids, MI
Member since 2019

Allen Gill
Waterford Township
Department of Public Works
Waterford, MI
Member since 2012

Doug Gillean
Gladstone
Department of Public Works
Gladstone, MI
Member since 2005

Amy Gilson
City of Charlotte
Charlotte, MI
Member since 2005

Mark Gipson
Holland Board of Public Works
Holland, MI
Member since 2018

Michael Gisclair
Fluid Equipment Development Company (FEDCO)
Marquette, MI
Member since 2019

Mark Gladeux
City of Monroe
Monroe, MI
Member since 2014

City of Gladstone
Gladstone, MI
Member since 1997

Michael Glasgow
Village of Mayville
Department of Public Works
Mayville, MI
Member since 2005

Kelly Gleason
Eaton Rapids, MI
Member since 2014

Mark Glessner
City of Three Rivers
Three Rivers, MI
Member since 1998

Paul Glinski
Huron Charter Township
Department of Public Works
New Boston, MI
Member since 2000

Michael Glowiński
Alpena SUEZ
Alpena, MI
Member since 1987

Ron Golder
Wolf Creek Water Works, Inc.
Waterford, MI
Member since 2001

Ryan Goebel
Bay Area Water Treatment Plant
Bay City, MI
Member since 2019

Joseph Goergen
Grosvenor County Water and Waste Services
Flint, MI
Member since 1989

Kristin Goetz
DLZ, Inc.
Waterford, MI
Member since 1996

Julie Gonyea
Chesterfield Township Water
Chesterfield, MI
Member since 2018

Robert Goodheart
Pathfinder Engineering, Inc.
Wyoming, MI
Member since 1989

Angie Goodman
Lansing Board of Water and Light
Grand Ledge, MI
Member since 2014

Thomas Gordon
Iron Mountain, MI
Member since 2008

Daryl Gotham
Saginaw, MI
Member since 2019

Thomas Gott
City of Mount Clemens
Mount Clemens, MI
Member since 2007

Joe Graf
Clarkston, MI
Member since 2012

Judy Graham
City of Portage
Portage, MI
Member since 2014

City of Grand Haven
Department of Public Works
Grand Haven, MI
Member since 2011

Grand Haven
Water Treatment Plant
Grand Haven, MI
Member since 1970

City of Grand Ledge
Grand Ledge, MI
Member since 2019

Grand Rapids Water Department
Grand Rapids, MI
Member since 1987

Grand Traverse County
Department of Public Works
Traverse City, MI
Member since 1997

James Granger
Granger Professional Services, Inc.
Cheboygan, MI
Member since 1968

Andrew Granskog
USDA Rural Development
East Lansing, MI
Member since 2015

Sean Grant
METCO
Warren, MI
Member since 2019

Thomas Gray
Saginaw, MI
Member since 1990

Rhonda Grayar
WT Stevens Construction, Inc.
Flint, MI
Member since 2019

Great Lakes Water Authority
Detroit, MI
Member since 2016

J. Green
Lockwood Andrews and Newman
Oak Park, MI
Member since 1990

Robert Green
AECOM
Southfield, MI
Member since 1988

Roy Green
Powell Fabrication and Manufacturing, Inc.
Saint Louis, MO
Member since 2009

Jonathan Greene
City of Jackson
Jackson, MI
Member since 2018

City of Greenville
Greenville, MI
Member since 1975

Trista Gregorski
Holland Board of Public Works
Holland, MI
Member since 2019

Donald Greiner
Big Rapids, MI
Member since 1973

Michael Greiner
Grand Rapids
Public Utilities Water System
Grand Rapids, MI
Member since 1993

Eric Griffith
Kennedy Industries
Byron Center, MI
Member since 2017

Letisha Griffith
Highland Treatment, Inc.
Onstedville, MI
Member since 2007

Kevin Grisslers
Preis and Newhard
Grand Rapids, MI
Member since 2006

Jim Groose
Watersupplus
Loves Park, IL
Member since 2003

Grosse Ile Department of Public Works
Grosse Ile, MI
Member since 2000

City of Grosse Pointe Farms
Grosse Pointe Farms, MI
Member since 2013

Herb Grunwell
Saginaw Charter Township
Saginaw, MI
Member since 2005

Nate Gysen
City of Wyoming
Utilities Department
Holland, MI
Member since 2019

David Guastella
Alfred Benesch and Company
Detroit, MI
Member since 1992
Robert Guerin  
City of Dearborn  
Dearborn, MI  
Member since 2007

Lennard Gumaer  
Brilliant Systems LLC  
Bloomfield Hills, MI  
Member since 2015

Elaine Gumpper  
Livonia, MI  
Member since 2016

Thomas Gunst  
City of New Baltimore  
New Baltimore, MI  
Member since 2001

Dan Gutting  
City of Williamston  
Williamston, MI  
Member since 2010

Stephen Guy  
City of Fenton  
Fenton, MI  
Member since 2000

Kendra Gwin  
City of Portage  
Portage, MI  
Member since 2001

Bruce Hammond  
C.E. Raines Company  
Riverview, MI  
Member since 2018

Hampton Township  
Esteville, MI  
Member since 2014

Zachary Hampton  
OHM Advisors  
Livonia, MI  
Member since 2019

Dean Hand  
Marenisco Township Hall  
Marenisco, MI  
Member since 2013

Joel Hanenberg  
Georgetown Township  
Jenison, MI  
Member since 1999

Jeffrey Hansen  
LAN  
Flint, MI  
Member since 2006

Michael Hansen  
Fishbeck  
Grand Rapids, MI  
Member since 2020

Raymond Hansen  
City of Rogers City  
Rogers City, MI  
Member since 2009

City of Harbor Beach  
Harbor Beach, MI  
Member since 2012

City of Harbor Springs  
Harbor Springs, MI  
Member since 2013

Daniel Harkema  
Byron-Gales Utility Authority  
Byron Center, MI  
Member since 2015

Daniel Harper  
City of Ferndale Water Department  
Ferndale, MI  
Member since 2018

Dave Harran  
EMA, Inc.  
Byron Center, MI  
Member since 2001

Benston Harris  
B.D. Harris, Inc.  
Madison Heights, MI  
Member since 2003

City of Harrison  
Harrison, MI  
Member since 2019

Jody Harrison  
Suez North America  
Wixom, MI  
Member since 2016

Kevin Harrison  
Burtchville, MI  
Member since 1989

Bill Harrod  
Wheaton, IL  
Member since 2014

Perry Hart  
City of Battle Creek  
Battle Creek, MI  
Member since 2006

2020 MEMBERSHIP DIRECTORY  
Michigan WATER WORKS NEWS  |  SPRING 2020  
51

Hartland Township  
Hartland, MI  
Member since 2011

Troy Hartz  
City of Caseville  
Caseville, MI  
Member since 2017

Mike Harvey  
Crystal Lake, IL  
Member since 2006

Robert Harvey  
Village of Paw Paw  
Paw Paw, MI  
Member since 2005

City of Hastings  
Hastings, MI  
Member since 2015

Adam Haubenstricker  
Ann Arbor Charter Township  
Ann Arbor, MI  
Member since 2020

Gary Haubner  
Hazen and Sawyer  
Cincinnati, OH  
Member since 1997

Martin Hauck  
Village of Birch Run  
Birch Run, MI  
Member since 2018

David Haut  
City of Owosso Water Department  
Owosso, MI  
Member since 2016

Antoinette Hawkins  
City of Woodhaven  
Woodhaven, MI  
Member since 2012

Bruce Hawkins  
Mead and Hunt, Inc.  
Norway, MI  
Member since 1977

Andrea Hayden  
Fausone Bohr LLp  
Northville, MI  
Member since 2019

Dana Hayes  
Flint, MI  
Member since 2018

Ronald Hayes  
Great Lakes Water Authority  
Detroit, MI  
Member since 1989

Dennis Haygood  
Niles Charter Township  
Niles, MI  
Member since 2018

Stan Hazan  
NSF International  
Ann Arbor, MI  
Member since 1989

Joe Hebert  
Ottawa County Road Commission  
Grand Haven, MI  
Member since 1990

Don Heck  
Wolverine Engineers and Surveyors  
Mason, MI  
Member since 2000

Michael Helder  
Holland Board Public Works  
Holland, MI  
Member since 1996

Forrest Herald  
East Lansing/Meridian Water  
East Lansing, MI  
Member since 2017

Melissa Herbert  
Neogen Corporation  
Lansing, MI  
Member since 2018

Jeffrey Herzeg  
City of Novi  
Novi, MI  
Member since 2013

Christine Herndon  
Herndon Solutions Group  
Las Vegas, NV  
Member since 2008

Lynn Herrick  
Great Lakes Water Authority  
Detroit, MI  
Member since 2017

Robert Hesse  
Grand Rapids Water Department  
Grand Rapids, MI  
Member since 2016

Marion Hester  
Global Pump  
Davison, MI  
Member since 2019

Brian Hettinger  
City of Fremont  
Fremont, MI  
Member since 2011

Bill Hildebrand  
Carlon Meter, Inc.  
Grand Haven, MI  
Member since 2012

Chris Hiltnun  
City of New Baltimore Water Department  
New Baltimore, MI  
Member since 2017

Mike Hiekelma  
Grand Rapids Water System  
Wayland, MI  
Member since 2011

John Hines  
Houghton Lake Sewer Authority  
Houghton Lake, MI  
Member since 2015

Jeffreyy Hinjosa  
Harun Charter Township Department of Public Works  
New Boston, MI  
Member since 1989

Joseph Hoban  
Merasha, WI  
Member since 2006

Hobas Pipe USA  
Houston, TX  
Member since 2014

Richard Hobgood  
Newport, MI  
Member since 2015

Jamie Hockemeyer  
Mount Pleasant, MI  
Member since 2017

Jennifer Hodges  
Gourde-Fraser, Inc.  
Traverse City, MI  
Member since 2010

Matthew Hodges  
City of Clawson  
Clawson, MI  
Member since 2019

Leanne Hoese  
City of Niles Utilities Department  
Niles, MI  
Member since 2019

Tracy Hoff  
Deckerville, MI  
Member since 1998

Joshua Hoffman  
City of Saginaw  
Saginaw, MI  
Member since 2017

Edward Hogan  
Wade Trimm  
Farmington Hills, MI  
Member since 2005

Todd Hogan  
Midland, MI  
Member since 2019

William Hogan  
City of Trenton  
Trenton, MI  
Member since 2001

Kraig Hohf  
City of Marysville  
Marysville, MI  
Member since 2007

Penny Holden  
Waterford Township Department of Public Works  
Waterford, MI  
Member since 2017

Holland Board of Public Works  
Holland, MI  
Member since 1946

Holland Charter Township  
Holland, MI  
Member since 1971

Village of Homer  
Homer, MI  
Member since 1998

Scott Hommings  
City of Grosse Pointe Farms  
Grosse Pointe Farms, MI  
Member since 2003

Richard Hopper  
Thompson Township Department of Public Works  
Saginaw, MI  
Member since 2009

Mark Horgan  
Genesee County  
Water and Waste Services  
Flint, MI  
Member since 1996

Ken Hottenstein  
Cadillac Utilities Department  
Cadillac, MI  
Member since 2018

RETURN TO TABLE OF CONTENTS
Michigan WATER WORKS NEWS | SPRING 2020

2020 MEMBERSHIP DIRECTORY

Chad Houck
Meridian Township
Okemos, MI
Member since 2018

Scott Houghtaling
City of Norton Shores
Norton Shores, MI
Member since 2010

Brian House
Spicer Group
St. Johns, MI
Member since 1999

Scott House
City of East Lansing
East Lansing, MI
Member since 2015

James Houska
Elise, MI
Member since 1988

Art Houston
SiP Industries
Harrison, OH
Member since 2018

Jessica Howard
Orchard, Hiltz, and McCliment
Livonia, MI
Member since 2013

City of Howell
Howell, MI
Member since 1998

James Hubbell
Bloomfield Hills, MI
Member since 1961

Charlene Hudson
Sebewaing Light and Water Department
Sebewaing, MI
Member since 2020

Robert Hudson
South Range, MI
Member since 1992

Darrick Huff
Spicer Group, Inc.
Saginaw, MI
Member since 2012

Jack Hughes
Holland Board of Public Works
Holland, MI
Member since 2012

Amanda Hungerford
Sistersmith, Inc.
Gaylord, MI
Member since 2020

John Hunter
EJ
East Jordan, MI
Member since 1997

Nathan Hunter
Hamlet Environmental Technology
Howell, MI
Member since 2019

Craig Hupy
Ann Arbor Public Services
Ann Arbor, MI
Member since 1990

Norman Hurren
City of Port Huron
Port Huron, MI
Member since 2007

Jason Hyde
Kimball Township
Kimball, MI
Member since 2014

HydroCorp
Troy, MI
Member since 2005

Mark Ignatowski
MHQ5 Water and Sewer Authority
Howell, MI
Member since 2017

Scott Ingraham
Grand Rapids Water Department
Belmont, MI
Member since 2012

Ira Township
Ira, MI
Member since 2013

Iron Mountain Water Department
Iron Mountain, MI
Member since 1952

City of Iron River
Iron River, MI
Member since 2013

City of Ironwood Water Utility
Ironwood, MI
Member since 1996

Cynthia Irving
Lansing Board of Water and Light
Lansing, MI
Member since 2013

Warren Isaacson
Mead and Hunt, Inc.
Fitch, MI
Member since 1977

Ishpeming Township
Ishpeming, MI
Member since 2014

Younes Isrhaiad
Meridian Charter Township
Okemos, MI
Member since 2001

Scott Isler
Isler Demolition
Port Hope, MI
Member since 2018

Michael Irich
Marine City Public Works
Marine City, MI
Member since 2015

Matt Izzo
East Tawas, MI
Member since 2019

J. Rettenmaier USA
Schoolcraft, MI
Member since 2019

Mohamad Jaber
Dearborn, MI
Member since 2003

Robert Jakovich
Southeastern Oakland County Water Authority
Royal Oak, MI
Member since 1992

City of Jackson
Jackson, MI
Member since 2011

Sunny Jacob
Great Lakes Water Authority
Detroit, MI
Member since 2010

Trevor Jacobs
Bay County Department of Water and Sewer
Bay City, MI
Member since 2017

Justin Jaime
Saginaw, MI
Member since 2014

Thomas James
Grand Blanc Township
Grand Blanc, MI
Member since 2018

Charlotte Jamerson
Michigan Environmental Council
Lansing, MI
Member since 2019

Ijamstown Charter Township
Hudsonville, MI
Member since 2019

Eric Jancsi
Forth Township Water District
Gwinn, MI
Member since 2012

Brian Jeffries
City of Monroe Water Plant
Monroe, MI
Member since 2013

Daniel Jernagan
Village of Homer
Homer, MI
Member since 2015

Wayne Jernberg
Grand Rapids Water Department
Grand Rapids, MI
Member since 2007

Bruce Jerome
Novi, MI
Member since 1980

Alan Jessup
City of Clare
Clare, MI
Member since 2011

Christopher Johnsen
Department of Water Works
Michigan City, IN
Member since 2002

Carmen Johnson
White Cloud, MI
Member since 1991

Chris Johnson
Michigan Meter Technology Group
Troy, MI
Member since 2013

Derrick Johnson
Grand Rapids Water Department
Grand Rapids, MI
Member since 2015

Jacqueline Johnson
Traverse City Water Department
Traverse City, MI
Member since 2017

Joe Johnson
Saginaw Chippewa Indian Tribe
MT Pleasant, MI
Member since 2009

Kevin Johnson
Chesterfield Township Department of Public Works
Chesterfield, MI
Member since 2018

Mark Johnson
George Instrument
Lake Orion, MI
Member since 2004

Rodney Johnson
City of Hamtramck
Hamtramck, MI
Member since 2018

Teresa Johnson
City of Kalamazoo
Kalamazoo, MI
Member since 2017

David Johnston
EJ USA, Inc.
East Jordan, MI
Member since 2016

Tiffany Jones
Detroit Water and Sewerage
Detroit, MI
Member since 2019

W. Jones
Great Lakes Water Authority
Detroit, MI
Member since 2014

City of Jonesville
Jonesville, MI
Member since 2014

Mark Joseph
DeWitt, MI
Member since 2005

Balram Joshi
Midland Water Department
Midland, MI
Member since 2016

Richard Judkins
Ann Arbor Charter Township
Ann Arbor, MI
Member since 1989

Joshua Juhi
City Of Wyoming
Grand Rapids, MI
Member since 2013

John Julien
Umbaugh
Mishawaka, IN
Member since 2005

Ryan Julien
Michigan State University Biosystems Engineering
East Lansing, MI
Member since 2019

Brandon Jung
City of Kalamazoo
Kalamazoo, MI
Member since 2019

Mike Jurgess
City of Harbor Beach
Harbor Beach, MI
Member since 2012

Martin Jurisch
City of Bay City
Bay City, MI
Member since 2018

Ryan Justin
Ann Arbor Public Services
Ann Arbor, MI
Member since 2015

John Kaczor
Ann Arbor, MI
Member since 2004

Tim Kading
City of Bridgman Water Department
Bridgman, MI
Member since 1989

Douglas Kadzban
Village of Sparta
Sparta, MI
Member since 1991

Scott Kafka
Hamlet Environmental Technology
Howell, MI
Member since 1998

City of Kalamazoo
Department of Public Services
Kalamazoo, MI
Member since 1970

Kalamazoo Lake Water and Sewerage
Saugatuck, MI
Member since 1979

Steven Kalinowski
Wade Trim and Associates
Taylor, MI
Member since 1987

Village of Kalkaska
Kalkaska, MI
Member since 1987

Rene Kalkman
Holland Board of Public Works
Holland, MI
Member since 2016

Jeremy Kamp
Prein and Newhof
Grand Rapids, MI
Member since 2018

Paul Kanaski
Huron Township Water System
Port Hope, MI
Member since 2014

Richard Kane
Lansing, MI
Member since 2016

Jon Kangas
Township of Marquette
Marquette, MI
Member since 2011

Phil Karwat
City of Saginaw
Saginaw, MI
Member since 2004

Brent Kastel
Deerfield, MI
Member since 2007

Kawkawlin Metropolitan District Water
Kawkawlin, MI
Member since 1980

Stephen Keel
City of Port Huron
Port Huron, MI
Member since 2019
Thomas Keel  
City of Harsnissa  
Harsnissa, MI  
Member since 2018

John Keesling  
Colombier Center  
Clarkston, MI  
Member since 2004

Tim Kehn  
Grand Blanc  
Public Works Department  
Grand Blanc, MI  
Member since 1989

Jon Keim  
Grosse Ile  
Department of Public Services  
Grosse Ile, MI  
Member since 2000

Bradley Keiser  
Village of Bellaire  
Bellaire, MI  
Member since 2019

Robert Kellar  
Ann Arbor Public Services  
Ann Arbor, MI  
Member since 2013

Christopher Keller  
City of Farmington  
Farmington, MI  
Member since 2015

Morgan Kelley  
Holland Board of Public Works  
Holland, MI  
Member since 2019

William Kelley  
Lansing, MI  
Member since 1964

Christine Kelly  
Blue-Water Management Solutions  
Port Sanilac, MI  
Member since 2019

Kevin Kelly  
City of St. Joseph  
Saint Joseph, MI  
Member since 2017

Matthew Kennedy  
Livonia, MI  
Member since 2011

Chris Kenyon  
City of Ionia WWTP  
Ionia, MI  
Member since 1997

Jeff Keown  
City of Ann Arbor  
Ann Arbor, MI  
Member since 2018

Lindsey Kerkez  
OHM Advisors  
Livonia, MI  
Member since 2018

Garrett Kern  
Marquette, MI  
Member since 2018

Keweenaw Bay Indian Community  
Keweenaw Bay, MI  
Member since 2016

John Keyes  
Corteva Agriscience  
Michigan Operations  
Midland, MI  
Member since 2014

Michael Kidston  
Artesian of Pioneer  
Pioneer, MI  
Member since 2013

Mark Knapp  
City of Center Line  
Center Line, MI  
Member since 2017

Sean Knapp  
Ypsilanti Community Utilities Authority  
Ypsilanti, MI  
Member since 2019

Jun Kim  
Rice University  
Ada, MI  
Member since 2018

Kimball Township  
Kimball, MI  
Member since 2001

Carol King  
Aquasight  
Troy, MI  
Member since 2018

Todd King  
GLWA  
Livonia, MI  
Member since 2015

Marian King-Bell  
Detroit Water and Sewerage  
Detroit, MI  
Member since 2008

John Kingman  
Northern Pump and Well  
Lansing, MI  
Member since 2016

City of Kingsford  
Kingsford, MI  
Member since 1978

Village of Kingsley  
Kingsley, MI  
Member since 2003

Lauren Kirkconnell  
Lansing, MI  
Member since 2017

Daniel Kitchen  
Utility Service Company  
Portage, MI  
Member since 2009

Sarah Kitchen  
Global Pump  
Davison, MI  
Member since 2019

Erik Kleiman  
Kleiman Pump & Well Drilling, Inc.  
Iron Mountain, MI  
Member since 2014

Ron Kleiman  
City of Munising  
Munising, MI  
Member since 2014

Dan Kleinhessel  
City of Wyoming  
Drinking Water Plant  
Holland, MI  
Member since 2012

Phillip Kline  
Klines Resort  
Three Rivers, MI  
Member since 1996

Paul Kloosterman  
Byron-Gaines Utility Authority  
Byron Center, MI  
Member since 2015

Jill Kosters  
Great Lakes Water Authority  
Detroit, MI  
Member since 2018

Keith Kotsch  
Village of Brooklyn  
Brooklyn, MI  
Member since 2008

Yao Kouassi  
Livonia, MI  
Member since 2010

James Kowalski  
City of Grosse Pointe Woods  
Grosse Pointe Woods, MI  
Member since 2002

Karl Kramer  
Midland Water Department  
Midland, MI  
Member since 2016

Barry Kreiner  
City of Marysville  
Marysville, MI  
Member since 2004

Arthur Krueger  
City of Traverse City  
Traverse City, MI  
Member since 2012

Gwenolyn Kubacki  
Arcadia  
Novi, MI  
Member since 2018

Charlie Kronk  
Great Lakes Water Authority  
Detroit, MI  
Member since 2016

Edward Koenig  
Village of Buckley  
Buckley, MI  
Member since 1996

Tim Kuhns  
GLWA  
Lansing, MI  
Member since 2014

Kenneth Kunka  
Sumpter Township  
Belleville, MI  
Member since 2007

Louis Kwiatkowski  
City of Grandville  
Grandville, MI  
Member since 2005

Amy Lachance  
Michigan Department of Environmental Quality  
Lansing, MI  
Member since 2011

Howard LaCosse  
City of Rose City  
Rose City, MI  
Member since 2013

Steve LaFave  
Green Oak Water Company  
South Lyon, MI  
Member since 2004

Rebecca Lahr  
Michigan State University  
East Lansing, MI  
Member since 2007

Lake Township Water System  
Bridgman, MI  
Member since 1975

Jeff Lampi  
Escanaba Municipal Water Department  
Escanaba, MI  
Member since 2012

Jason Laney  
Village of Quincy  
Quincy, MI  
Member since 2007

William Lang  
City of Utica  
Department of Public Works  
Utica, MI  
Member since 2006

Wayne Langeland  
Grand Rapids, MI  
Member since 1984

Anthony Langhann  
City of Litchfield  
Litchfield, MI  
Member since 2008

Douglas Langworthy  
City of Cadillac  
Cadillac, MI  
Member since 2017

Village of L’Anse  
Larne, MI  
Member since 2016

Lansing Board of Water and Light  
Lansing, MI  
Member since 1929

City of Lapeer  
Lapeer, MI  
Member since 1996

Amanda Laramie  
METCO  
Warren, MI  
Member since 2019

William LaRose  
City of Cedar Springs  
Cedar Springs, MI  
Member since 2018

Barry LaRoy  
City of Monroe  
Monroe, MI  
Member since 2004

Matthew Lawrence  
City of Rose City  
Rose City, MI  
Member since 2020

Steven Lawry  
Marquette, MI  
Member since 1984

Village of Lawton  
Lawton, MI  
Member since 2017

Josh Leach  
City of Farmington  
Farmington, MI  
Member since 2014

Brad Lear  
Charter Township of Canton  
Canton, MI  
Member since 2012

Mark Lease  
City of Eaton Rapids  
Eaton Rapids, MI  
Member since 2013

Amy Leowish  
Grand Rapids Public Utilities  
Grand Rapids, MI  
Member since 2019

Todd Levens  
Greater Lansing Water Association  
Lansing, MI  
Member since 2020

Nancy Link  
Holland Area Water Authority  
Holland, MI  
Member since 2019

Brian Lipp  
Coldwater, MI  
Member since 2013

James Lipsky  
City of Traverse City  
Traverse City, MI  
Member since 2014

Joseph Liptak  
Great Lakes Water Authority  
Lansing, MI  
Member since 2017

Scott Litch  
Erie Township  
Port Huron, MI  
Member since 2018

Jeff Lippert  
Tri-City Water System  
Saginaw, MI  
Member since 1984

Michael Lischke  
Village of Bad Axe  
Bad Axe, MI  
Member since 2000

Ellie Lipsky  
GLWA  
Lansing, MI  
Member since 2012

Michael Liston  
City of Midland  
Midland, MI  
Member since 1995
2020 MEMBERSHIP DIRECTORY

Michigan Water Works News | Spring 2020

2020 MEMBERSHIP DIRECTORY

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Gregg Lebster
Daledonia, MI
Member since 1997

Craig Lehan
City of Norton Shores
Water Department
Norton Shores, MI
Member since 2007

Michael Lehtonen
Okemos, MI
Member since 2007

Allen Lemieux
West Michigan Instrumentation Systems, Inc.
Nunica, MI
Member since 1987

Michael Lesich
The Woodhill Group
Royal Oak, MI
Member since 2019

Jim LeTourneau
Ad Astra, Inc.
Member since 1999

James Letts
Harrison, MI
Member since 1988

Mikel Levandoski
Zeland Board of Public Works
Zeeland, MI
Member since 2018

Gary Lewis
Little River Band of Ottawa Indians – Utilities
Manistee, MI
Member since 2009

Tom Lewis
Lewis Municipal Sales
Indiana, IN
Member since 2001

Paul Lilly
Holland Board of Public Works
Holland, MI
Member since 2019

Patrick Lindemann
County of Ingham
Mason, MI
Member since 2004

David Linderman
City of St. Joseph
Saint Joseph, MI
Member since 2015

Robert Lindh
Urban Land Consultants
Shelby Township, MI
Member since 1996

Tim Lintula
Village of Chatham
Chatham, MI
Member since 2017

Mark Lipovsky
City of Harrison
Harrison, MI
Member since 2015

Little River Band of Ottawa Indians – Utilities
Manistee, MI
Member since 2009

Joseph Little
MRWA
Kalkaska, MI
Member since 2008

Gary Logsdon
Fairfield, OH
Member since 1964

Robert London
Michigan Department of Environmental Quality
Bay City, MI
Member since 1990

Dwayne Loper
East China Water Filtration Plant
East China, MI
Member since 2011

Cheryl Louden
Lansing Board of Water and Light
East Lansing, MI
Member since 2014

Rich Low
Village of Edwardsburg Water Department
Edwardsburg, MI
Member since 2019

Paul Lozen
Suez-City of Alpena WTP
Alpena, MI
Member since 2007

Jim Lueck
Mid-West Instrument
Sterling Heights, MI
Member since 2016

Leon Ludeman
City of Rochester Hills
Rochester Hills, MI
Member since 2010

Todd Lukas
Elhorn Engineering Company
Muskegon, MI
Member since 1991

Dawn Lund
Utility Financial Solutions LLC
Leland, MI
Member since 2014

M. Lunn
Ada, MI
Member since 1995

Luc Lupien
Brownstown, MI
Member since 2012

Randall Lybarger
City of Jackson
Jackson, MI
Member since 2011

Timothy Lynch
BHJSI Wastewater Treatment Plant
Saint Joseph, MI
Member since 2003

Craig Lyon
Pittsfield Township Utilities
Ann Arbor, MI
Member since 2006

Brad Lyons
Hudsonville, MI
Member since 1991

Neil Lyons
City of Alma
Alma, MI
Member since 1990

M

M. E. Simpson Company, Inc.
Valparaiso, IN
Member since 1997

Michael MacDonald
Hubbell, Roth and Clark, Inc.
Blomfield Hills, MI
Member since 1999

Thomas MacDonald
Saint Joseph, MI
Member since 1996

Molly Maciejewski
City of Ann Arbor
Ann Arbor, MI
Member since 2001

Robert Mackenzie
Charter Township of Meridian
Okemos, MI
Member since 2017

Mackinac Public Works
Mackinac Island, MI
Member since 1978

Village of Mackinaw City
Mackinaw City, MI
Member since 1986

Nicole Macmillan
City of Troy
Troy, MI
Member since 2016

Maccom Township
Macomb, MI
Member since 1985

James MacQuarrie
Marcellon Area Water and Sewer Authority
Marcellon, MI
Member since 1988

Stewart Maggrett
Tout Creek Condo Association
Harbor Springs, MI
Member since 1993

Nicholas Maguire
Village of Akron
Department of Public Works
Akron, MI
Member since 2019

Richard Mahoney
City of Jonesville
Jonesville, MI
Member since 1988

William Maier
Michigan Section AWWA
Lansing, MI
Member since 1989

James Malpass
City of Marshall
Marshall, MI
Member since 1994

Andrew Manchester
City of Saginaw
Saginaw, MI
Member since 2019

Lisa Mancini
Great Lakes Water Authority
Detroit, MI
Member since 2017

Matthew Mangatt
Great Lakes Water Authority
Dearborn, MI
Member since 1997

Brian Mangen
City of Milan
Milan, MI
Member since 2019

Jacob Mangum
Great Lakes Water Authority
Detroit, MI
Member since 2018

City of Manistique
Manistique, MI
Member since 2005

David Manor
Great Lakes Water Authority
Detroit, MI
Member since 2017

City of Manton
Manton, MI
Member since 2004

Julia Manzano
Michigan Technical University
Houghton, MI
Member since 2016

Michael Marchello
City of Bessemer
Bessemer, MI
Member since 2017

Barbara Marczak
Prin and Newhof, Inc.
Muskogon, MI
Member since 1986

Craig Marietti
Ishpeming Township
Ishpeming, MI
Member since 2014

Marine City Public Works
Marine City, MI
Member since 1987

Michael Markham
OHM Advisors
Hancock, MI
Member since 2014

Kevin Marks
Wightman and Associates
Benton Harbor, MI
Member since 2019

Michael Marks
Georgetown Charter Township
Jenison, MI
Member since 2006

Gary Markstrom
Tetra Tech
Lansing, MI
Member since 2016

City of Marlette
Marlette, MI
Member since 2001

City of Marshall
Marshall, MI
Member since 1994

Dave Marshke
City of Burton
Burton, MI
Member since 2007

Noah Marsicke
Infrastructure Alternatives
Memphis, MI
Member since 2019

David Marszalec
Emerson
Stevensville, MI
Member since 2010

John Martin
City of Sylvan Lake
Sylvan Lake, MI
Member since 1989

Scott Martin
Scioto Township
Ann Arbor, MI
Member since 1995

William Martin
Plainfield Township
Grand Rapids, MI
Member since 1991

Joel Martinez
East Lansing Meridian Water Authority
East Lansing, MI
Member since 2001

Joey Maruskin
JDM Valve Corporation
Commerce Township, MI
Member since 2009

George Marx
Grosse Ile
Department of Public Services
Grosse Ile, MI
Member since 2015

Bud Mason
RCAP
Manion, OH
Member since 2010

Joseph Mason
Finc-Town Water Department
Newport, MI
Member since 2018

Saginaw, MI
City of Saginaw
Saginaw, MI
Member since 2001

Kimberly Mason
City of Saginaw
Saginaw, MI
Member since 2001

Susan Masten
Michigan State University
Department of Civil and Environmental Engineering
East Lansing, MI
Member since 1982

Master Meter, Inc.
Mansfield, TX
Member since 1978

Robert Masters
Peerless Midwest, Inc.
Ionia, MI
Member since 1999

Brian Masterson
Kinnos Charter Township
Water and Sewer Department
Kincheloe, MI
Member since 2015

Tamara Mathews
Lunca, MI
Member since 2019

Samir Matta
Lockwood, Andrews and Newnam, Inc.
Okemos, MI
Member since 1999

RETURN TO TABLE OF CONTENTS

54 Michigan Water Works News | Spring 2020
<table>
<thead>
<tr>
<th>Name</th>
<th>Company/Agency</th>
<th>City</th>
<th>Years of Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Nickels</td>
<td>Etna Supply Company</td>
<td>Grand Rapids</td>
<td>1998</td>
</tr>
<tr>
<td>Kelly Nielsen</td>
<td>City of Monroe</td>
<td>Monroe</td>
<td>2014</td>
</tr>
<tr>
<td>Bob Nieuwenhuis</td>
<td>City of Planwell</td>
<td>Plainwell</td>
<td>2018</td>
</tr>
<tr>
<td>Neil Noack</td>
<td>Spicer Group, Inc.</td>
<td>Saginaw</td>
<td>2017</td>
</tr>
<tr>
<td>Aaron Nordman</td>
<td>Performance Engineers, Inc.</td>
<td>Charlevoix</td>
<td>2018</td>
</tr>
<tr>
<td>City of North Muskegon</td>
<td>N Muskegon</td>
<td>Muskegon</td>
<td>2017</td>
</tr>
<tr>
<td>City of Northville</td>
<td>Public Works Department</td>
<td>Northville</td>
<td>1996</td>
</tr>
<tr>
<td>John Norton</td>
<td>Detroit</td>
<td>Member since 2019</td>
<td></td>
</tr>
<tr>
<td>Kent Nothstine</td>
<td>City of Traverse City Water Plant</td>
<td>Traverse City</td>
<td>2013</td>
</tr>
<tr>
<td>Aubrey Nowak</td>
<td>Tawas Township Water Department</td>
<td>Birch Run</td>
<td>Member since 2003</td>
</tr>
<tr>
<td>NSF International</td>
<td>Theresa Bellish</td>
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<td>John O’Brien</td>
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<td>Peter O’Donnell</td>
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<td>Brendon O’Hara</td>
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<td>Curt Olar</td>
<td>City of Saginaw</td>
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<td>F. Oldewurtel</td>
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<td>Martin Olejnik</td>
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<td>Michael Olson</td>
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<td>Terese Olson</td>
<td>University of Michigan</td>
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<td>Bloomfield Township</td>
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<td>Michael O’Malley</td>
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<td>Kaisra Osman</td>
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<td>Adam Pace</td>
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<td>Josh Parmer</td>
<td>City of Muskegon</td>
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<td>Mark Parsley</td>
<td>Fishbeck, Thompson, Carr and Huber</td>
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<td>Walsh Construction/ Archer Western</td>
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<td>Jeff Peden</td>
<td>City of St. Joseph</td>
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<td>Dihydro Services</td>
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<td>Joseph Perroud</td>
<td>Genesee County Drain Commissioner Water and Waste</td>
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<td>City of Muskegon, Muskegon, MI</td>
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<td>Richard Phillips</td>
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<td>Elizabeth Phillips-Rawls</td>
<td>Great Lakes Water Authority, Detroit, MI</td>
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<td>Oakland County Water Resources Commission, Waterford, MI</td>
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<td>Village of Nashville, Nashville, MI</td>
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<td>Marc Pieti</td>
<td>Michigan American Water, Calumet, MI</td>
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<td>Catlin Pietrowski</td>
<td>E. Lansing Meridian Water and Sewer Authority, East Lansing, MI</td>
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<td>Bob Plonka</td>
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<td>Amy Ploof</td>
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<td>University of Michigan, Ann Arbor, MI</td>
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<td>City of Ann Arbor, Ann Arbor, MI</td>
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<td>City of Imlay City, Imlay City, MI</td>
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<td>Portage, MI</td>
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<td>Village of Oxford, Department of Public Works, Oxford, MI</td>
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<td>Jared Richards</td>
<td>Alfred, Benesch and Company, Newport, MI</td>
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<td>Jeremy Richmond</td>
<td>Michigan Pipe and Valve</td>
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<td>Daniel Ridderbos</td>
<td>Preinathwihof, Grand Rapids, MI</td>
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<tr>
<td>Karen Ridgway</td>
<td>Applied Science, Inc, Detroit, MI</td>
<td>Member since 1986</td>
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2020 MEMBERSHIP DIRECTORY

Paul Ripple
Sault Sainte Marie, MI
Member since 2018

Keith Risdon
City of St. Louis
Saint Louis, MI
Member since 2018

Kurt Ristow
City of Grand Ledge
Grand Ledge, MI
Member since 2019

Tim Ritchie
City of Adrian
Adrian, MI
Member since 2002

Pat Rivera
Village of Mackinaw City
Mackinaw City, MI
Member since 2002

Perry Roberts
Northville, MI
Member since 2019

Ian Robinson
Blueconduit
Ann Arbor, MI
Member since 2019

Jo Robinson
Detroit Water and Sewage Department
Detroit, MI
Member since 2016

Scott Rochon
Spring Lake Township
Spring Lake, MI
Member since 2017

City of Rockford
Rockford, MI
Member since 2014

Jeffrey Rog
Strongsville, OH
Member since 1999

Donald Rohraff
City of Livonia
Livonia, MI
Member since 2003

Village of Romeo
Romeo, MI
Member since 2014

Randall Roost
Lansing, MI
Member since 1995

Village of Roscommon
Roscommon, MI
Member since 1978

Casey Rose
Marquette, MI
Member since 2013

Mark Rose
Escanaba, MI
Member since 1984

Ron Rose
Water District #1 of Midland County
Sanford, MI
Member since 1993

Rosendale Products, Inc.
Ann Arbor, MI
Member since 2010

Scott Roselle
City of Novi
Novi, MI
Member since 2013

Andrew Ross
Dearborn, MI
Member since 1988

Brian Ross
Genesee County WWPS
Flint, MI
Member since 1993

Thomas Rounds
Dixon Engineering, Inc.
Lake Odessa, MI
Member since 2010

Donald Row
Grand Rapids, MI
Member since 2000

Steven Rowland
Saint Clair Shores, MI
Member since 2004

Justin Roy
City of Traverse City
Traverse City, MI
Member since 2011

Jeff Rudd
City of Rochester Hills
Water Department
Rochester Hills, MI
Member since 2017

Karen Ruff
L.V. Docas Associates, Inc.
Kalamazoo, MI
Member since 2017

Christopher Rumsey
Village of Vermontville
Vermontville, MI
Member since 2014

Randall Russell
Michigan City
Department of Water Works
Michigan City, IN
Member since 1975

Ryan Russell
Prien and Newhof
Kalamazoo, MI
Member since 2018

Todd Russell
Lansing Board of Water and Light
Lansing, MI
Member since 2010

Kenneth Rutkowski
Port Austin, MI
Member since 2003

Steven Rutkowski
Spicer Group
Saginaw, MI
Member since 2013

Steven Ryan
Ryan’s Municipal Services
Grand Rapids, MI
Member since 1997

Ryan’s Modern Sewer Cleaning
Grand Rapids, MI
Member since 2002

Wayne Rybak
City of Rochester Hills
Rochester Hills, MI
Member since 1993

James Rydquist
WSP
Detroit, MI
Member since 2019

Richard Rzezczkowski
Berkey, MI
Member since 2008

S

Robert Sabisch
City of Beaverton
Beaverton, MI
Member since 2019

William Sadler
Adrian Water Department
Adrian, MI
Member since 2015

Saginaw Chippewa Indian Tribe
Member since 2001

City of Saginaw
Saginaw, MI
Member since 1984

Saginaw-Midland Water Supply
Bay City, MI
Member since 1989

Nichole Sajdak
Great Lakes Water Authority
Detroit, MI
Member since 2004

Anne Saliers
Holland Board of Public Works
Holland, MI
Member since 2013

City of Saline
Saline, MI
Member since 2018

Phillip Salvatori
City of Novi Water Department
Novi, MI
Member since 2016

Jerry Sanders
Norton Shores, MI
Member since 2000

Biren Saparia
Great Lakes Water Authority
Detroit, MI
Member since 2012

Kevin Sargent
City of Trenton Water Department
Trenton, MI
Member since 2016

Buddy Sasquach
Ann Arbor, MI
Member since 2015

David Savant
Loveland, CO
Member since 2006

Don Saville
Custom Service and Design, Inc.
Auburn Hills, MI
Member since 2015

Christopher Saxton
DN Tanks
Bismarck, ND
Member since 2007

Richard Schafer
Kaleva, MI
Member since 1995

David Schendel
Jacobs/CH2M
Canton, MI
Member since 1980

Eric Schiebold
Environmental Sales, Inc.
Southfield, MI
Member since 1997

Eric Schiesswohl
Saginaw, MI
Member since 1993

Dan Schlaff
City of Dexter Utilities
Dexter, MI
Member since 2012

Emily Schlenderer
Fishebeck, Thompson, Carr and Huber
Novi, MI
Member since 2017

Brian Schmidt
City of Chelsea
Chelsea, MI
Member since 1988

Ray Schmidt
City of Chelsea
Chelsea, MI
Member since 2014

Leslie Schmitzke
Grosse Ile
Department of Public Works
Grosse Ile, MI
Member since 1988

David Schmuker
Sparta, MI
Member since 2015

Allan Schnack
City of Rochester Hills
Rochester Hills, MI
Member since 2011

Lauren Schoebelen
Tri-County Regional Planning Commission
Lansing, MI
Member since 2018

Garry Scholten
Allendale Township Water
Allendale, MI
Member since 1999

Michael Schorsch
Lansing Board of Water and Light
Lansing, MI
Member since 2012

Brad Schotanus
Dixon Engineering, Inc.
Lake Odessa, MI
Member since 1992

Julie Schroeder
Chilmark Township
Water Department
Harbert, MI
Member since 2005

Brian Schulte
City of Roseville
Macomb, MI
Member since 2008

Frank Schulte
City of Grosse Pointe Woods
Grosse Pointe Woods, MI
Member since 2017

Wendy Schultz
Gregory, MI
Member since 2013

Lonnie Schulz
Village of Elkton
Elkton, MI
Member since 2012

Ken Schwartz
Superior Township
Utility Department
Ypsilanti, MI
Member since 2016

Peter Schwarz
City of Midland Water Plant
Midland, MI
Member since 2005

Marcus Schweisthal
City of Farmington
Farmington, MI
Member since 2015

Sci Townships
Ann Arbor, MI
Member since 1986

Douglas Scott
Rowe Professional Services Company
Flint, MI
Member since 2007

Kipp Scott
Blissfield, MI
Member since 1999

Mark Scott
Geneseo Co. Drain Commission
Columbia, MI
Member since 2012

Randy Scott
Spc Services LLC
Bark River, MI
Member since 1992

Jeffrey Sears
Charter Township of Grand Blanc
Grand Blanc, MI
Member since 2015

Sebewaing Light and Water Department
Sebewaing, MI
Member since 2013

Joshua Segaret
City of Monroe
Monroe, MI
Member since 2017

Balvinder Sehgal
Great Lakes Water Authority
Detroit, MI
Member since 2016

Randy Seitz
West Side Water
Lansing, MI
Member since 2014

Nate Seif
RS Technical Services, Inc.
Lowell, MI
Member since 2015

Robert Seif
Lowell, MI
Member since 1980

Christy Seitz
Paragon Laboratory
Livonia, MI
Member since 2018

Nicole Selais
Hubbell, Roth and Clark, Inc.
Bloomfield Hills, MI
Member since 2018
<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>City, MI</th>
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<td>Dan Simmer</td>
<td>City of Saginaw</td>
<td>Saginaw, MI</td>
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<td>Sima Whitney Utility Authority</td>
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<td>Randy Sinko</td>
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<td>St. Johns Water Treatment Plant</td>
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<td>City of St. Ignace Water Plant</td>
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<td>St. Johns Water Treatment Plant</td>
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<td>Steven St. Pierre</td>
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<td>William Stannard</td>
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<td>Tom Stanovec</td>
<td>American Cast Iron Pipe Co.</td>
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<td>Patrick Staskiewicz</td>
<td>Ottawa County Road Commission</td>
<td>Grand Haven, MI</td>
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<td>Daniel Staunton</td>
<td>City of Hartford</td>
<td>Hartford, MI</td>
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<td>David Stearns</td>
<td>Cadillac Utilities Department</td>
<td>Cadillac, MI</td>
<td>2017</td>
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<td>Christopher Steary</td>
<td>Great Lakes Water Authority</td>
<td>Fort Gratiot, MI</td>
<td>2016</td>
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<td>Brian Stegitz</td>
<td>City of Ann Arbor</td>
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<td>James Stermer</td>
<td>Village of Lawton</td>
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<td>Ryan Stetler</td>
<td>Ypsilanti Community Utilities Authority</td>
<td>Ypsilanti, MI</td>
<td>2019</td>
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<td>Harold Steward</td>
<td>City of Monroe</td>
<td>Monroe, MI</td>
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<td>Dale Stewart</td>
<td>Northern Pump and Well</td>
<td>Lansing, MI</td>
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<td>Daniel Stickel</td>
<td>Municipal Water Supply Corp.</td>
<td>Bay City, MI</td>
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<td>Geoff Stieker</td>
<td>Northwest Pipe Company</td>
<td>Tecumseh, MI</td>
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<td>David Stinson</td>
<td>Northern Pump and Well</td>
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<td>Kelli Stockwell</td>
<td>City of Onaway Water Department</td>
<td>Onaway, MI</td>
<td>2016</td>
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<td>Andrew Stone</td>
<td>Village of Wolverine Lake</td>
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<td>Joy Stothard</td>
<td>City of Bay City</td>
<td>Bay City, MI</td>
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<td>Burt Straley</td>
<td>City Of Muskegon</td>
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<td>Robert Studt</td>
<td>City of Ithaca</td>
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<td>Jeff Stults</td>
<td>City of E. Grand Rapids Utility</td>
<td>East Grand Rapids, MI</td>
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<td>Michael Sturtevant</td>
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<td>Charles Suchodolski</td>
<td>Buena Vista Charter Township</td>
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<td>Tyler Sulk</td>
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<td>Menominee, MI</td>
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<td>Charles Sundblad</td>
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<td>Name</td>
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<td>Larry Sundling</td>
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<td>Superior Township Utility Department</td>
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<td>Michael Taylor</td>
<td>Grand Blanc Township, Grand Blanc, MI</td>
<td>Member since 2007</td>
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<tr>
<td>Jon Terres</td>
<td>Alma, MI</td>
<td>Member since 1998</td>
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<tr>
<td>Bob Tervonen</td>
<td>City of Ironwood Water Utility Ironwood, MI</td>
<td>Member since 2009</td>
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<td>Thomas Teske</td>
<td>EJ</td>
<td>East Jordan, MI</td>
<td>Member since 1979</td>
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<tr>
<td>Christopher Tesone</td>
<td>USA/CO</td>
<td>Youngstown, OH</td>
<td>Member since 2010</td>
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<td>Kirk Tews</td>
<td>Font/OperationsOSCoda, MI</td>
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<td>Jodie Theis</td>
<td>City of Wyoming Public Works, Wyoming, MI</td>
<td>Member since 2013</td>
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<td>Terry Theinski</td>
<td>Plainfield Township Water Department, Grand Rapids, MI</td>
<td>Member since 2006</td>
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<tr>
<td>Michelle Thibudeau</td>
<td>Village of Centreville, Centreville, MI</td>
<td>Member since 2014</td>
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<td>Derek Thiels</td>
<td>Grosse Ile Department of Public Works Grosse Ile, MI</td>
<td>Member since 2019</td>
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<tr>
<td>Will Thies</td>
<td>Pronghornhof, Grand Rapids, MI</td>
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<td>Department of Public Works, Saginaw, MI</td>
<td>Member since 2018</td>
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<td>Brad Thomas</td>
<td>Birch Run Township, Birch Run, MI</td>
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<td>Ernie Thomas</td>
<td>City of Beloit, Beloit, MI</td>
<td>Member since 1993</td>
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<td>Jerrold Thomas</td>
<td>Benton Harbor, MI</td>
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<td>Jim Thompson</td>
<td>Flint, MI</td>
<td>Member since 2012</td>
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<tr>
<td>Joellen Thompson</td>
<td>Grand Rapids, MI</td>
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<td>John Thompson</td>
<td>Romulus, MI</td>
<td>Member since 2007</td>
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<td>Thomas Thompson</td>
<td>Village of Manchester, Manchester, MI</td>
<td>Member since 2015</td>
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<tr>
<td>Mark Thornton</td>
<td>City of St. Joseph, Saint Joseph, MI</td>
<td>Member since 2012</td>
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<td>Michael Thorsen</td>
<td>Infrastructure Alternatives, Menominee, MI</td>
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<td>City of Three Rivers</td>
<td>Three Rivers, MI</td>
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<tr>
<td>Brian Thurlston</td>
<td>EGE, WEDC, Cadillac District, Cadillac, MI</td>
<td>Member since 1995</td>
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<td>Zachery Thurlston</td>
<td>East Lansing-Meridian Water and Sewer Authority, East Lansing, MI</td>
<td>Member since 2014</td>
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<tr>
<td>David Timm</td>
<td>Rockford, MI</td>
<td>Member since 1978</td>
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<tr>
<td>Eric Timmer</td>
<td>Alford Mechanical, Kalamazoo, MI</td>
<td>Member since 2019</td>
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<tr>
<td>Joe Tipton</td>
<td>Hobas Pipe, Gallatin, TN</td>
<td>Member since 2012</td>
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<td>Tittabawasee Township Department of Public Works</td>
<td>Freeland, MI</td>
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<td>Piper Tittle</td>
<td>Niles, MI</td>
<td>Member since 2000</td>
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<tr>
<td>Cindy Tomaszewski</td>
<td>City of Cadillac, Cadillac, MI</td>
<td>Member since 2017</td>
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<td>Christopher Townley</td>
<td>Townley Engineering LLC, Freeland, MI</td>
<td>Member since 1995</td>
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<td>Township of Marquette</td>
<td>Marquette, MI</td>
<td>Member since 1975</td>
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<td>Baker Tilly Municipal Advisors LLC, East Lansing, MI</td>
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<td>Mike Tracy</td>
<td>Michigan State University, Utilities, East Lansing, MI</td>
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<td>Mary Trapp-Gunst</td>
<td>Plainfield Charter Township, Grand Rapids, MI</td>
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<td>Kurt Tribbett</td>
<td>City of Battle Creek, Battle Creek, MI</td>
<td>Member since 2019</td>
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<td>Thomas Trice</td>
<td>Bloomfield Township, Bloomfield Hills, MI</td>
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<td>Trihedral Engineering Limited</td>
<td>Bedford, NS</td>
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<td>Rohit Trivedi</td>
<td>Arcatas, Novi, MI</td>
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<td>Paul Trooper</td>
<td>City of Troy</td>
<td>Member since 2015</td>
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<td>Todd Truax</td>
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<td>Kyle Tryan</td>
<td>Coloma, MI</td>
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<td>William Turner</td>
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<td>Robert Tutschek</td>
<td>Saginaw Valley State University, University Center, MI</td>
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<tr>
<td>Kevin Tyler</td>
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<tr>
<td>Chad Tyrakowski</td>
<td>City of Dowagiac, Dowagiac, MI</td>
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<td>Murat Ulasir</td>
<td>Orchard, Hiltz, and McClint, Inc., Livonia, MI</td>
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<tr>
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<td>City of Cadillac, Cadillac, MI</td>
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<td>Christopher Van Wormer</td>
<td>Petoskey, MI</td>
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<td>Theodore VanAken</td>
<td>Grand Rapids, MI</td>
<td>Member since 2012</td>
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<tr>
<td>Jesse VanDeCreek</td>
<td>Hubbell, Roth, and Clark, Inc., Bloomfield, MI</td>
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<tr>
<td>Sam Vandenberg</td>
<td>City of Grand Rapids, West Olive, MI</td>
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<tr>
<td>Joseph Vander Stel</td>
<td>Grand Haven, MI</td>
<td>Member since 1988</td>
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<tr>
<td>Benjamin Vanderhulst</td>
<td>Holland Board of Public Works, Holland, MI</td>
<td>Member since 2015</td>
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</tbody>
</table>

**Note:** This list is not exhaustive and includes members from various fields and industries.
Brian Vanderlaan
Plainfield Township
Water Department
Grand Rapids, MI
Member since 2015

Michael Vanderloop
Fleis and Vandenbink Engineering
Grand Rapids, MI
Member since 2018

Roger Vandervoort
Plainfield Township Water Department
Grand Rapids, MI
Member since 2017

Lucas VanderZee
City of Harbor Springs
Harbor Springs, MI
Member since 2014

Daryl Vandyke
Kalamazoo Lake
Sever and Water Authority
Saugatuck, MI
Member since 1997

Geneva Vanlerberg
Lansing Board of Water and Light
Williamston, MI
Member since 2009

Jeff Vanseters
Plainfield Charter Township
Grand Rapids, MI
Member since 2016

Kevin VanSickle
Genesee County Water Plant
Columbiaville, MI
Member since 2005

Brian Vanderlaan
City of Lowell
Lowell, MI
Member since 2012

Matthew Varedin
EWRE Building
Ann Arbor, MI
Member since 2016

Ryan Vredere
Traverse City, MI
Member since 2019

Vega Americas
Cincinnati, OH
Member since 2018

Robert Veneklasen
City of Wyoming Utilities Department
Holland, MI
Member since 1986

Mark Verberkmoe
Grand Haven Charter Township
Grand Haven, MI
Member since 1991

G. Verderos
Geogia Range Water Authority
Ramsay, MI
Member since 2004

Thomas Veresh
DLZ
Detroit, MI
Member since 2007

Stephen Verstrat
Access Business Group LLC
Aida, MI
Member since 2001

Village of Vicksburg
Vicksburg, MI
Member since 2004

David Vidikan
CDM Smith
Detroit, MI
Member since 2010

Rajaram Vijayendran
Metco Services, Inc
Warren, MI
Member since 1997

Aaron Vis
City of Wyoming Public Works
Wyoming, MI
Member since 2016

Shane Visintainer
Iron Mountain Water Department
Iron Mountain, MI
Member since 2017

Udids Vitits
Canton, MI
Member since 1990

Paul Vogel
Greeley and Hansen LLC
Chicago, IL
Member since 1987

Richard Vreeland
City of Gobles
Gobles, MI
Member since 1998

Nathan Vriesman
Vriesman and Korhorn
Civil Engineers
Byron Center, MI
Member since 2003

Eric Vroman
City of Grandville
Jeison, MI
Member since 2019

Mike Vukmirovich
Great Lakes Water Authority
Detroit, MI
Member since 2019

City of Walled Lake
Walled Lake, MI
Member since 2015

Lisa Willick
Detroit Water and Sewerage Department
Detroit, MI
Member since 2004

Jason Walters
Village of Farwell
Farwell, MI
Member since 2015

Gerald Wangelin
Macomb Township
Macomb, MI
Member since 2009

Ross Warber
Lansing, MI
Member since 2017

Jerry Ward
Waterford Township
Department of Public Works
Waterford, MI
Member since 2012

Jennifer Warner
The Water Research Foundation
Glendale, WI
Member since 2017

Warren Township
Water and Sewer
Washington, MI
Member since 2003

Water District #1 of Midland County
Sanford, MI
Member since 1995

Waterford Township
Department of Public Works
Waterford, MI
Member since 2012

Alisha Watkins
Plante Moran
Southfield, MI
Member since 2019

Shebby Watkins
Special-Lite, Inc
Decatur, MI
Member since 2019

Eric Way
Grand Ledge, MI
Member since 1979

City of Wayland
Wayland, MI
Member since 1980

City of Wayne Water Department of Public Works
Wayne, MI
Member since 2019

Jeff Webb
City of Riverview
Riverview, MI
Member since 2016

Allen Weber
Elma Supply Company
Grand Rapids, MI
Member since 1986

James Webster
City of Howell Water Plant
Howell, MI
Member since 1991

Teresa Weidt
Project Innovations, Inc
Clarkston, MI
Member since 2007

Maureen Wegeneg
C2AQ
Lansing, MI
Member since 1982

James Weinberg
Village of Colon
Colon, MI
Member since 2008

Richard Weirich
Frenchtown Water
Newport, MI
Member since 1999

William Weirich
City of Wyandotte
Wyandotte, MI
Member since 2004

Matthew Weden
Plainfield Township Water Department
Grand Rapids, MI
Member since 1991

Ken Wesley
U.S. Scada
Dexter, MI
Member since 2014

West Side Water
Lansing, MI
Member since 1980

Ernest West
Delta Charter Township
Lansing, MI
Member since 2008

Jack West
City of Farmington Water Department
Farmington, MI
Member since 2015

Reuben West
City of Battle Creek
Marshall, MI
Member since 2017

Robert West
Hartland Township
Hartland, MI
Member since 2015

Ryan Westling
Southeast Berrien County Landfill Authority
Niles, MI
Member since 2019

Timothy Weston
Village of Marcellus
Marcellus, MI
Member since 2017

Scott Westover
Ypsilanti Community Utilities Authority
Ypsilanti, MI
Member since 2001

Judy Westrick
Tamarack Environmental Laboratories LLC
Washington, MI
Member since 1996

Daniel Whalen
Williams and Works, Inc
Grand Rapids, MI
Member since 1991

Latasha Whaley Lawrence
Youth For Global Health and Social Justice
Lake Orion, MI
Member since 2019

White Lake Township
Water Department
White Lake, MI
Member since 1978

Tony White
Mueller Co
Downers Grove, IL
Member since 1997

Troy White
City of Jackson
Jackson, MI
Member since 2016

W. Curtis White
White IQC Consultants
Midland, MI
Member since 1988

City of Whitehall
Whitehall, MI
Member since 2014

Benjamin Whitehead
Belmont, MI
Member since 2005

Nicole Whissett
Detroit Water and Sewerage Department
Detroit, MI
Member since 2018

Keith Whittington
City of Marquette
Marquette, MI
Member since 2007

Todd Wibright
City of Grandville
Grandville, MI
Member since 2006

Steve Widdicombe
Digested Organics
Grand Rapids, MI
Member since 2019

Alisha Watkins
City of Wyoming
Wyoming, MI
Member since 2019

Member since 2019

Member since 2009

Member since 1997

Member since 2016

Member since 2019

Member since 2007

Member since 2017

Member since 2020

Member since 2019

Member since 2019

Member since 1989

Member since 2008

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Member since 1995

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Member since 2019

Member since 2019

Member since 2001

Member since 2015

Member since 1997
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<thead>
<tr>
<th>Name</th>
<th>Company/Department</th>
<th>City/Location</th>
<th>Year of Membership</th>
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<tbody>
<tr>
<td>Karl Wiegand</td>
<td>Globe Fire Sprinkler Corporation</td>
<td>Standish, MI</td>
<td>2010</td>
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<tr>
<td>Ron Wight</td>
<td>City Of Newaygo</td>
<td>Newaygo, MI</td>
<td>2003</td>
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<tr>
<td>Robert Wilcox</td>
<td>Fleris and Vandenbink Engineering, Inc.</td>
<td>Grand Rapids, MI</td>
<td>2003</td>
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<td>John Willemin</td>
<td>Grand Rapids</td>
<td>Grand Rapids, MI</td>
<td>2001</td>
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<tr>
<td>Darron Williams</td>
<td>Woodland Center Correctional Facility</td>
<td>Whitmore Lake, MI</td>
<td>2019</td>
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<tr>
<td>Doug Williams</td>
<td>Linewood Metro Water</td>
<td>Linewood, MI</td>
<td>2012</td>
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<tr>
<td>Frank Williams</td>
<td>Peerless Midwest, Inc.</td>
<td>Mishawaka, IN</td>
<td>2014</td>
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<tr>
<td>Gary Williams</td>
<td>Jones and Henry Engineers</td>
<td>Cincinnati, OH</td>
<td>1988</td>
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<tr>
<td>James Williams</td>
<td>Peerless-Midwest, Inc./Suez</td>
<td>Mishawaka, IN</td>
<td>1985</td>
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<td>Michael Williams</td>
<td>Peerless-Midwest, Inc.</td>
<td>Mishawaka, IN</td>
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<td>Russell Williams</td>
<td>Waterford Township Department of Public Works</td>
<td>Waterford, MI</td>
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<td>Karl Wveis</td>
<td>Michigan Municipal Supply Company</td>
<td>Portland, MI</td>
<td>1987</td>
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<td>Allen Wilson</td>
<td>Great Lakes Water Authority</td>
<td>Detroit, MI</td>
<td>2004</td>
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<td>Allen Wilson</td>
<td>Sand Piper Estates</td>
<td>Lexington, MI</td>
<td>2000</td>
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<td>James Wilson</td>
<td>City of Trenton Department of Public Services</td>
<td>Trenton, MI</td>
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<td>Joseph Wilson</td>
<td>Michigan State University</td>
<td>East Lansing, MI</td>
<td>2015</td>
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<td>Thomas Wilson</td>
<td>City of Livonia Public Works</td>
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<td>Tom Wilson</td>
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<td>Grandville, MI</td>
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<td>Marlin Wingard</td>
<td>Eagle Harbor Township</td>
<td>Eagle Harbor, MI</td>
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<td>Catherine Winn</td>
<td>F and V Operations and Resource Management</td>
<td>East Tawas, MI</td>
<td>1998</td>
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<td>Eric Witte</td>
<td>Melvindale</td>
<td>Melvindale, MI</td>
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<td>City of Wixom</td>
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<td>Brian Wohlscheid</td>
<td>Municipal Supply Company</td>
<td>Portland, MI</td>
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<td>Craig Wolf</td>
<td>Hydrocorp</td>
<td>Troy, MI</td>
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<td>William Wolfson</td>
<td>Great Lakes Water Authority</td>
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<td>Bryon Wood</td>
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<td>South Lyon, MI</td>
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<td>Bryan Woodbeck</td>
<td>East Lansing Meridian Water Authority</td>
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<td>Kameron Woodcock</td>
<td>City of Monroe</td>
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<td>Steven Wordelman</td>
<td>Portage</td>
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<td>Rob Worden</td>
<td>Hampton Township</td>
<td>Essexville, MI</td>
<td>2019</td>
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<td>Eric Worm</td>
<td>City of Reed City</td>
<td>Reed City, MI</td>
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<td>Department of Public Works</td>
<td>Reed City, MI</td>
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<td>Gary Woźniak</td>
<td>Kalamazoo, MI</td>
<td>Kalamazoo, MI</td>
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<td>Conuetta Wright</td>
<td>Ann Arbor, MI</td>
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<td>Kevin Wright</td>
<td>EJ</td>
<td>East Jordan, MI</td>
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<td>Sherri Wright</td>
<td>OHM Advisors</td>
<td>Livonia, MI</td>
<td>2018</td>
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<tr>
<td>Zachary Wurster</td>
<td>City of Milan</td>
<td>Milan, MI</td>
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<td>Michael Wurts</td>
<td>City of Lapeer</td>
<td>Lapeer, MI</td>
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<td>Wyandotte Municipal Services</td>
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<td>Member since 1972</td>
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<td>Craig Wynant</td>
<td>Intuitive Water Systems</td>
<td>Clawson, MI</td>
<td>2019</td>
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<tr>
<td>Kareem Yaldo</td>
<td>DLZ Corporation</td>
<td>Detroit, MI</td>
<td>2019</td>
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<td>Cheryl Yapo</td>
<td>Great Lakes Water Authority</td>
<td>Detroit, MI</td>
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<td>Ronald Yarnell</td>
<td>Sanford, MI</td>
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<td>Alex Yavich</td>
<td>Grand Rapids, MI</td>
<td>Grand Rapids, MI</td>
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<td>David Yoder</td>
<td>Village of Unionville</td>
<td>Unionville, MI</td>
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<td>Scott Yonkers</td>
<td>City of Grandville</td>
<td>Grandville, MI</td>
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<td>James Yonts</td>
<td>Ann Arbor, MI</td>
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<td>Timothy Young</td>
<td>City of Hazel Park</td>
<td>Hazel Park, MI</td>
<td>2006</td>
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<td>Ypsilanti Community Utilities Authority</td>
<td>Ypsilanti, MI</td>
<td>Member since 1975</td>
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<tr>
<td>Michael Yuresko</td>
<td>Grand Blanc Township</td>
<td>Grand Blanc, MI</td>
<td>2006</td>
</tr>
<tr>
<td>Michelle Zdrodowski</td>
<td>Great Lakes Water Authority</td>
<td>Detroit, MI</td>
<td>2018</td>
</tr>
<tr>
<td>Tim Zebell</td>
<td>City of St. Joseph</td>
<td>Saint Joseph, MI</td>
<td>2006</td>
</tr>
<tr>
<td>Zeeland Board of Public Works</td>
<td>Zeeland, MI</td>
<td>Member since 1993</td>
<td></td>
</tr>
<tr>
<td>Thomas Zemba</td>
<td>Menominee, MI</td>
<td>Menominee, MI</td>
<td>2011</td>
</tr>
<tr>
<td>Beth Zimpher</td>
<td>Lansing Board of Water and Light Dimondale, MI</td>
<td>Lansing, MI</td>
<td>2017</td>
</tr>
<tr>
<td>Alex Zychowicz</td>
<td>Monroe Environmental Corp</td>
<td>Monroe, MI</td>
<td>2019</td>
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Michigan Water Works News | Spring 2020 | 63

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<thead>
<tr>
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</tr>
</thead>
</table>

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RETURN TO TABLE OF CONTENTS
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Visit us online www.mi-water.org
CDC Protects and Prepares Communities

CDC is aggressively responding to the global outbreak of COVID-19 and preparing for the potential of community spread in the U.S.

**Travel**
- Conducts outreach to travelers
- Issues travel notices

**Laboratory and diagnostics**
- Develops diagnostic tests
- Confirms all positive test results submitted by states

**Schools**
- Provides guidance for schools including school closures and online education options

**Businesses**
- Provides business guidance including recommendations for sick leave policies and continuity of operations

**Community members**
- Shares information on symptoms and prevention
- Provides information on home care
- Encourages social distancing

**Healthcare professionals**
- Develops guidance for healthcare professionals
- Conducts clinical outreach and education

**Healthcare systems**
- Develops preparedness checklists for health systems
- Provides guidance for PPE supply planning, healthcare system screening, and infection control
- Leverages existing telehealth tools to redirect persons to the right level of care

For more information: [www.cdc.gov/COVID19](http://www.cdc.gov/COVID19)
Share Facts About COVID-19

Know the facts about coronavirus disease 2019 (COVID-19) and help stop the spread of rumors.

**FACT 1** Diseases can make anyone sick regardless of their race or ethnicity.

Fear and anxiety about COVID-19 can cause people to avoid or reject others even though they are not at risk for spreading the virus.

**FACT 2** For most people, the immediate risk of becoming seriously ill from the virus that causes COVID-19 is thought to be low.

Older adults and people of any age with underlying health conditions, such as diabetes, lung disease, or heart disease, are at greater risk of severe illness from COVID-19.

**FACT 3** Someone who has completed quarantine or has been released from isolation does not pose a risk of infection to other people.

For up-to-date information, visit CDC’s coronavirus disease 2019 web page.

**FACT 4** There are simple things you can do to help keep yourself and others healthy.

- Wash your hands often with soap and water for at least 20 seconds, especially after blowing your nose, coughing, or sneezing; going to the bathroom; and before eating or preparing food.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.

**FACT 5** You can help stop COVID-19 by knowing the signs and symptoms:

- Fever
- Cough
- Shortness of breath

Seek medical advice if you develop symptoms AND

- Have been in close contact with a person known to have COVID-19 or if you live in or have recently been in an area with ongoing spread of COVID-19.

For more information: [www.cdc.gov/COVID19](http://www.cdc.gov/COVID19)
Our MI-AWWA Buyers’ Guide consists of two sections:
1. A categorical listing of products and services, including a list of the companies that provide them.
2. An alphabetical listing of the companies appearing in the first section. This listing includes name, contact info, website and more.
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313-965-8436  
james.messineo@arcadis.com  
www.arcadis.com

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Eric Binkowski, Project Manager  
Tom Rounds, Project Manager  
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tom.rounds@dixonengineering.net  
www.dixonengineering.net

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www.forceflowscales.com

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<thead>
<tr>
<th>COMPANY</th>
<th>PAGE</th>
<th>TELEPHONE</th>
<th>WEBSITE</th>
</tr>
</thead>
<tbody>
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<td>CDM Smith</td>
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<td>Core and Main</td>
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<td>Detroit Pump</td>
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<td>800-686-1662</td>
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<td>Dixon Engineering, Inc.</td>
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<td>Ferpal Infrastructure</td>
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<td>Fishbeck</td>
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<td>800-456-3824</td>
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<td>Fleis &amp; Vandenbrink</td>
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<td>Force Flow</td>
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<td>800-893-6723</td>
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<td>Franklin Miller, Inc.</td>
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<td>GREELEY AND HANSEN, LLC</td>
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<td>800-837-9779</td>
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<td>Haviland</td>
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<td>Integra Chemical Company</td>
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<td>JGM Valve Corporation</td>
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<td>248-926-6200</td>
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<td>Jones &amp; Henry Engineers Ltd.</td>
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<td>800-255-1521</td>
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<td>Michigan Pipe &amp; Valve</td>
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<td>Waterworks Systems &amp; Equipment</td>
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<td>West Michigan Instrumentation Systems</td>
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<td>800-224-1590</td>
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