

SEPTEMBER 12-15, 2023 PORT HURON, MI

#miace23



American Water Works Association

Michigan

Section

TABLE OF CONTENTS

Welcome to the App & CECs1
Schedule at a Glance2
Schedule of Technical Sessions4
Recognizing Excellence10
Exhibitors12
Maps13

Welcome to **MI-ACE 2023!**

Blue Water Convention Center 800 Harker Street Port Huron, MI 48060



Thank You to Our MI-ACE 2023 Sponsors!

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EJ; Fishbeck; Hazen and Sawyer; JGM Valve; Jones & Henry; Lansing Board of Water & Light; Spicer Group; Peterson & Matz, The Plug Hug, and Gary Wozniak.

A special thank you to Dixon Engineering for hosting the golf beverage

Welcome to the MI-ACE 2023 Conference App!

Downloading the conference app is easier than ever and is free! Visit your app store and search for "MIAWWA Events." Your login information has been sent to you at the email address you registered with.





You'll find MI-ACE 23 listed under "events." When in the event, select "agenda" and scroll through the many offerings at MI-ACE 2023. Save sessions to your schedule.

After saving the sessions you want added to your schedule, you can view them by clicking on "My Schedule" in the app.



Announcements

Changes happen and the app makes it possible to get updates and changes to you in real time. Make sure you have notifications enabled to receive messages from us.



Exhibitors & Sponsors

Use the app to locate booth numbers. MI-ACE is made better thanks to the support of our exhibitors and sponsors. Show your appreciation by visiting them.

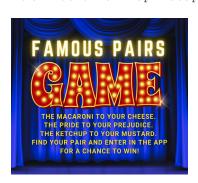


How to Earn Credit

Earn CECs by scanning your badge or entering the session code to check in and out. You will need to complete a session evaluation to earn credit for each session as well.

B

Note: 0.1 CECs are available during Happy Hour in the Exhibit Hall from 4:35 pm - 6:00 pm.





Apple Users: SCAN P

Need Assistance? Stop by the help desk at registration to see staff.

SCHEDULE at a glance

TUESDAY, SEPTEMBER 12th

10:30 AM - 5:00 PM	*Annual Golf Fundraiser Port Huron Elks Golf Club - shot gun start at noon
12:00 PM - 3:00 PM	*Lake Huron WTP Tour & Pilot Plant Demo Lake Huron WTP in Fort Gratiot
4:00 PM - 8:00 PM	Conference Registration & Information St. Clair Room
6:15 PM - 7:30 PM	**MI-AWWA Board of Trustees and Sponsor Dinner Riverview Room
7:30 PM – 9:00 PM	Opening Dessert Reception Convention Prefunction

WEDNESDAY, SEPTEMBER 13th

7:00 AM - 6:00 PM	$ \begin{array}{c} \textbf{Conference Registration and Information} \\ \textit{St. Clair Room} \end{array} $
7:15 ^{AM} – 8:00 ^{AM}	**First-Time Attendees Orientation & Welcome Riverview Room
7:15 ^{AM} – 8:00 ^{AM}	*Premium Attendees Breakfast in the Exhibit Hall Lake Huron Convention Hall A
7:30 ^{AM} – 8:30 ^{AM}	Eye Opener Coffee Convention Prefunction
$8:05 ^{AM} - 8:20 ^{AM}$	Opening Remarks and Awards <i>Lake Huron Convention Hall B</i>
8:20 ^{AM} – 11:25 ^{AM}	1.0 General Session Lake Huron Convention Hall B
10:05 ^{AM} – 10:20 ^{AM}	Exhibit Hall Networking Break, Sponsored by Badger Meter Lake Huron Convention Hall A
11:25 ^{AM} – 1:00 ^{PM}	Lunch with the Exhibitors Lake Huron Convention Hall A
1:00 PM – 3:15 PM	2.0 Concurrent Sessions Lake Huron Convention Hall B
1:00 PM – 3:15 PM	3.0 Concurrent Sessions Grand Ballroom II
1:00 PM – 3:15 PM	4.0 Concurrent Sessions Grand Ballroom I
3:15 PM - 3:30 PM	Exhibit Hall Networking Break, Sponsored by Badger Meter Lake Huron Convention Hall A
3:30 PM - 4:35 PM	5.0 General Session Lake Huron Convention Hall B
4:35 PM - 6:00 PM	Happy Hour in the Exhibit Hall with the Best Tasting Water in Michigan Competition Lake Huron Convention Hall A
* Premium ticket or o	additional ticket required

^{*} Premium ticket or additional ticket required

^{**} By invitation only

*** Be sure to stay for Friday's Closing General Session. Drawings and game
prizes to be done at the end of the session. Must be present to win.

SCHEDULE at a glance

THURSDAY, SEF	TEMBER 14th			
7:00 AM - 4:00 PM	Conference Registration and Information St. Clair Room			
$7:15^{AM} - 8:00^{AM}$	*Women on Water Networking Breakfast Riverview Room			
7:15 AM – 8:00 AM	*Premium Attendees Breakfast Lake Huron Convention Hall A			
7:30 ^{AM} – 8:30 ^{AM}	Eye Opener Coffee Convention Prefunction			
8:05 ^{AM} – 8:30 ^{AM}	Annual Business Meeting & Awards Lake Huron Convention Hall B			
8:30 ^{AM} – 9:30 ^{AM}	6.0 General Session Lake Huron Convention Hall B			
9:35 ^{AM} – 11:25 ^{AM}	7.0 Concurrent Sessions Lake Huron Convention Hall B			
9:35 ^{AM} – 11:25 ^{AM}	8.0 Concurrent Sessions Grand Ballroom II			
9:35 ^{AM} – 11:25 ^{AM}	9.0 Concurrent Sessions Grand Ballroom I			
10:05 ^{AM} -10:20 ^{AM}	Networking Break Convention Prefunction			
11:25 ^{AM} – 1:30 ^{PM}	*George W. Fuller Luncheon Lake Huron Convention Hall A			
1:35 PM – 3:15 PM	10.0 Concurrent Sessions Lake Huron Convention Hall B			
1:35 PM - 3:15 PM	11.0 Concurrent Sessions Grand Ballroom II			
1:35 PM - 3:15 PM	12.0 Concurrent Sessions Grand Ballroom I			
$3:15^{PM} - 3:30^{PM}$	Networking Break Convention Prefunction			
$3:30^{PM} - 4:35^{PM}$	13.0 General Session Lake Huron Convention Hall B			
$4:35^{PM} - 6:00^{PM}$	Rest and Refresh - A Time To Relax On Your Own			
6:00 PM – 8:30 PM	Networking Dinner and Yard Party, Sponsored by Metro Consulting DoubleTree Hotel patio and courtyard area			
FRIDAY, SEPTEMBER 15th				
7:00 ^{AM} – 10:30 ^{AM}	Conference Registration and Information <i>St. Clair Room</i>			
$7:15 ^{AM} - 8:00 ^{AM}$	**Leadership Breakfast Riverview Room			
7:15 ^{AM} – 8:00 ^{AM}	*Premium Attendees Breakfast Lake Huron Convention Hall A			
7:30 ^{AM} – 8:30 ^{AM}	Eye Opener Coffee Convention Prefunction			
8:05 ^{AM} – 12:00 ^{PM}	14.0 General Session Lake Huron Convention Hall B			
10:05 ^{AM} -10:30 ^{AM}	Networking Break Convention Prefunction			
12:00 PM-12:15 PM	***Closing Remarks and Drawing Lake Huron Convention Hall B			

WEDNESDAY, SEPTEMBER 13th

1.0	Opening	General	Session -	Lake Huron	Convention	Hall B
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8:05 AM - 8:20 AM **1.1 | Welcome and Awards**

Wayne Jernberg, City of Grand Rapids Water Systems

Paul Reinsch, City of Saginaw – Retired

8:20 AM - 9:00 AM **1.2 | Water 2050**

Christine Spitzley, AICP, OHM Advisors

9:00 AM - 9:30 AM 1.3 | A City Manager's Perspective

James Freed, City of Port Huron

9:35 AM - 10:05 AM 1.4 | Michigan Water Infrastructure Condition

and Future Needs - Water Asset Management

Council

Carrie Cox, Oakland County Water Resources

Commissioner's Office

10:20 AM - 10:50 AM 1.5 | MiWARN: A Necessary Option in an

Emergency

Wayne Jernberg, City of Grand Rapids Water Systems

10:55 AM - 11:25 AM 1.6 | Safe Water In Ecuador Updates

Mark De Haan, PE, Life Giving Water International

Julie Wildschut, PE, Calvin University

2.0 Concurrent Sessions - Lake Huron Convention Hall B

1:00 PM - 1:30 PM

2.1 | Operational Challenges at the Lake Huron
Water Treatment Plant While Isolated from the

GLWA Water Transmission System

James Messineo, PE, Arcadis

Andrea Miller, Great Lakes Water Authority

1:35 PM - 2:05 PM 2.2 | Multi-sector Coordination to Maximize

Water System Improvements

Lindsey Kerkez, PE, Southeast Michigan Council of

Governments

2:10 PM - 2:40 PM 2.3 | Microplastics: Human Health Impacts

and Source Reduction

Mala Hettiarachchi, PhD, PE, Environmental

Resources Group

2:45 PM - 3:15 PM **2.4 | Affordability Update**

Jaime Fleming, City of Wyoming

3.0 Concurrent Sessions - Grand Ballroom II

1:00 PM - 1:30 PM 3.1 | Finances, Affordability, and Rate Setting

for Small Communities

John A. Sullivan, PE, Michigan Technological University

1:35 PM - 2:05 PM
 3.2 | Conscientious Communication with Community
 Samarhia Giffel, City of Grand Rapids Water Systems
 Izamar Contreras, City of Grand Rapids Water Systems
 2:10 PM - 2:40 PM
 3.3 | Trends In Project Finance and Funding
 Andy Campbell, CPA, Baker Tilly Municipal Advisors
 2:45 PM - 3:15 PM
 3.4 | OSHA Safety Compliance Training
 David Maloney, CGS Safety Training, Inc.

4.0 Concurrent Sessions - Grand Ballroom I

1:00 PM - 1:30 PM 4.1 | In The Loop - Corrosion Control Evaluation for the City of Saginaw Susan McGrattan, Hazen and Sawyer Tia Sova, City of Saginaw Water Treatment 1:35 PM - 2:05 PM 4.2 | Surveying Costs on the PFAS Roadmap Daniel Farley, Black & Veatch 2:10 PM - 2:40 PM 4.3 | PFAS Contamination in Michigan: Impact of Regulation and What Utilities Can Do Michael DiGiannantonio, SL Environmental Law Group PC 2:45 PM - 3:15 PM 4.4 | Planning Your Future Workfore Pat Staskiewicz, PE, Ottawa County Road Commission Molly Maciejewski, Ann Arbor Public Services Dan Sorek, Prein & Newhoff

5.0 General Session - Lake Huron Convention Hall B

3:30 PM – 4:35 PM

5.1 | From a Global to Community Perspective
Paul V. Rush, PE, New York City Department of
Environmental Protection – Bureau of
Water Supply and Awwa Visiting Officer

THURSDAY, SEPTEMBER 14th

6.0 General Session - Lake Huron Convention Hall B

Collaborative

8:05 AM – 8:30 AM

6.1 | Business Meeting, WAMC, Section Update, Awards, and Best Tasting Water Michigan Award Wayne Jernberg, City of Grand Rapids Water Systems

8:30 AM – 9:00 AM

6.2 | Lessons from the Great Lakes News

Lester Graham, Michigan Radio - The Environment Report

9:00 AM - 9:30 AM

6.3 | Hot Topic

Cheryl Porter, Great Lakes Water Authority

Wayne Jernberg, City of Grand Rapids Water Systems

Bonnifer Ballard, MLD, CAE, MI-AWWA

7.0 Concurrent Sessions - Lake Huron Convention Hall B

9:35 AM - 10:05 AM **7.1 | Detroit River Phytoplankton**Balvinder Sehgal, PMP, Great Lakes Water Authority

10:20 AM - 10:50 AM 7.2 | GLWA Pilots New Opportunities at Lake
Huron for Research, Training, and Innovation
Dienye Tolofari, PhD, Great Lakes Water Authority
Denise Funk, Brown and Caldwell

10:55 AM - 11:25 AM 7.3 | LBWL Dye WCP Lime Slaker Upgrade 2023: DWSRF Compliance – It Takes a Village Emily Schlanderer, PE, Black & Veatch

Dwayne Loper - Lansing Board of Water and Light

8.0 Concurrent Sessions - Grand Ballroom II

9:35 AM - 10:05 AM 8.1 | Strategic Planning for Small Systems
John A. Sullivan, PE, Michigan Technological University

10:20 AM - 10:50 AM **8.2 | Water Partners**Jaime Fleming, City of Wyoming

Bonnifer Ballard, MLD, CAE, MI-AWWA

Sylvia Orduño, Michigan Welfare Rights Organization

Cyndi Roper, Natural Resource Defense Council

10:55 AM - 11:25 AM 8.3 | WaterOperator.org - Online Support and Resources for Water & Wastewater Operators Hideyuki Terashima, University of Illinois

9.0 Concurrent Sessions - Grand Ballroom I

9:35 AM - 10:05 AM 9.1 | Water and Wastewater Policy Update
Mike Compagnoni, Midwest Strategy Group

10:20 AM - 10:50 AM 9.2 | Private Well Study near Retired Power Station
Molly Reeves CPG, CPESC, HDR

10:55 AM - 11:25 AM 9.3 | Valve Exercising 101: A Key Practice for Water Utilities to Ensure Optimal Performance and Water Quality

Deryck Freudeman, Xylem - Wachs Water Services

10.0 Concurrent Sessions - Lake Huron Convention Hall B

1:35 PM - 2:05 PM 10.1 | CSI: Fort Gratiot (GLWA's Forensic Investigation of the 120-inch Transmission Main Failure)

Scott Jauch, HDR

Olivia Olsztyn-Budry, Great Lakes Water Authority Jerrod Wade, Great Lakes Water Authority

 $2:10^{~\rm PM}$ - $2:40^{~\rm PM}$ $\,$ 10.2 | How GLWA is Using Applied Science and Innovation to Improve and Extend the Life of

Their Linear Assets
Susan Donnally, HDR

Graham Bell, PhD, PE, University of Tennessee John Norton, PhD, PE, Great Lakes Water Authority

2:45 PM - 3:15 PM 10.3 | Evaluation of Tank Mixing for Water Quality Improvements for the City of Saginaw Ariana Wade, Fishbeck

11.0 Concurrent Sessions - Grand Ballroom II

1:35 PM - 2:05 PM 11.1 | Lansing Board of Water & Light Wellfield Condition Assessment Program - Data Wrangling and Tool Development

Matthew Coulthard, PE, Black & Veatch

 $2:10^{~\rm PM}$ - $2:40^{~\rm PM}$ $\,$ 11.2 | The Deep End: Learning to Swim not Sink in Water

Rachel Zywiczynski, City of Grand Rapids Water System

2:45 PM - 3:15 PM 11.3 | Inflation Reduction Act (IRA) Project Funding Opportunities

Andy Campbell, CPA, Baker Tilly Municipal Advisors

12.0 Concurrent Sessions - Grand Ballroom I

 $1:35^{PM}-2:05^{PM}$ 12.1 | Why Wax-Based Wraps are Effective

Frank Rampton, Trenton Corp.

2:10 PM - 2:40 PM 12.2 | Effectively Working with Underserved

Communities

Bonnifer Ballard, MLD, CAE, MI-AWWA Damon Garrett, PE, Metro Consulting Associates

2:45 PM - 3:15 PM 12.3 | Tapping into the Urban Water Cycle for Youth Education Initiatives

Hillary Caron, City of Grand Rapids Water System

13.0 General Session - Lake Huron Convention Hall B

3:30 PM - 4:35 PM 13.1 | Constructive Conversations with Community: Learning from Experience

Jennifer Read, PhD, University of Michigan Water Center Samarhia Giffel, City of Grand Rapids Water Systems Kelsey Cooke, Oakland County Water Resources Commissioner's Office

Pastor Douglas P. Jones, Greater Pontiac Community Coalition

Fran Dalton, Garfield Park Neighborhoods Association

FRIDAY, SEPTEMBER 15th

14.0 General Sessions - Lake Huron Convention Hall B

8:05 AM - 9:05 AM 14.1 | Great Lakes Water Authority's Response to a Water Main Break on a 120-inch Water

Transmission Main

James Messineo, PE, Arcadis Cheryl Porter, Great Lakes Water Authority Michelle Zdrodowski, Great Lakes Water Authority Todd King, Great Lakes Water Authority Terry Daniel, Great Lakes Water Authority Biren Saparia, Great Lakes Water Authority

Dave Miller, Shelby Township

9:05 AM - 9:35 AM **14.2 | Engineering Ethics**

Bill Fritz, City of Rochester Hills

9:35 AM - 10:05 AM **14.3 | Building Redundancy and Reliability into** the City of Flint's Drinking Water System

Jason Kenyon, PE, Wade Trim

10:30 AM - 11: 00 AM 14.4 | Detroit Water and Sewerage
Department's Accelerated Lead Service Line
Replacement Program

Bryan Peckinpaugh, Detroit Water and Sewerage

Department

 $11:00~{}^{\rm AM}$ - $11:30~{}^{\rm AM}$ $\,$ 14.5 | EGLE Regulatory and Department Update

Brian Thurston, EGLE

11:30 AM - 12:00 PM **14.6 | The West Michigan Water Career Program: A Year in Review**

Hillary Caron, City of Grand Rapids Water System

12:00 PM – 12:15 PM 14.7 | Closing Remarks and Drawing (You must be present to win)

Gary Wozniak, Lansing Board of Water and Light John Thompson, Inliner Solutions

New This Year!

GET A NEW PROESSIONAL HEADSHOT

INCLUDED WITH YOUR CONFERENCE REGISTRATION

Available 1:30-3:30 pm Sept. 14 in Lake Huron Convention Hall A



Did You Know ...

An asterisk (*) on your badge indicates you are a member. If you do not have an asterisk on your badge, stop by the member booth in the registration area to become a member.

Annual BUSINESS MEETING

MI-AWWA Annual Business Meeting Agenda

8:00 AM | Thursday, September 14, 2023 Blue Water Convention Center Port Huron. MI

A. Chair's Report B. 2023-2024 Nominations

Chair-Elect (successive 1-yr terms as chair-elect, chair, and past chair)

Rick Solle, Plainfield Township

Trustee 2023-2026 (3-yr term)

James Cassel, EJ

Trustee 2023-2026 (3-yr term)

Dan Sroka, Trace Laboratories

- C. Conference Update
- D. Membership Update
- E. Treasurer's Report

Adjourn

All are welcome to attend. Only members in good standing may participate in the annual business meeting.

Conference Planning

The conference is made possible thanks to the dedication of many volunteers and leaders. Thank you to those involved in the careful planning and production of the conference and to our many volunteers who are providing extra hands during the conference.

Conference and Recognition Council

Adam DeYoung (chair), Greg Alimenti, Charise Collins, Aaron Davenport, Jack Hughes, Jessica Howard, John Kingman, Susan Knepper, Kip Koszewski, Douglas Scott, and Thomas Smith

MI-ACE 2023 Program Planning Committee

Paul Reinsch (chair), Greg Alimenti, Mark Borden, Adam DeYoung, Lisa Fought, William Fritz, Perry Hart, Susan Knepper, Arthur Krueger, Cheryl Louden, Paul Patterson, Richard Quinn, Nichole Sajdak, Ernie Sarkipato, Peter Schwarz, Thomas Smith, John Thompson, Amy Vail, and Alisha Watkins

MI-AWWA Board of Trustees

Wayne Jernberg (chair), Aaron Uranga (past chair), Gary Wozniak (chair elect), Jaime Fleming (secretary/treasurer), Christine Spitzley (director), Angie Goodman (trustee), Molly Maciejewski (trustee), Douglas Scott (trustee), Rick Solle (trustee), Lenny Solomon (trustee), and Michelle Zdrodowski (trustee)

RECOGNIZING excellence

Congrats to this Year's Award Recipients!







Taime Fleming

Professional Excellence Individual

Hillary Caron
Young Professional of
the Year





Robert Cox
Operator Meritorious
Service Award

Kyle Tryan

Executive Director

Award





Kelly Gleasen
Chuck Van der Kolk
Volunteer of the Year

Robert J. Veneklasen

Research and Technical Practices Award





Esther Baptiste
Richard Husby Public
Awareness Award

Mark Coleman

Michigan Water Industry

Hall of Fame





David Timm Michigan Water Industry Hall of Fame

Great Lakes Water Authority
Professional Excellence Organization



RECOGNIZING excellence

2023 Awards

Awards will be presented according to the following schedule. Please congratulate the following 2023 awardees!

WEDNESDAY, SEPTEMBER 13th

At Opening General Session 8:00 am

Silver Water Drop Award

Derek Diederich, Mark Glessner, Scott Kafka, Sabu Paul, David Plooster, and Richard Vreeland

Gold Water Drop Award

Donald Greiner and Donald Spurr

Life Member Status Award

Randy Braeutigam, Karl Gorham, Wayne Langeland, James MacQuarrie, Brian Ross, Maureen Wegener

EGLE Edward Dunbar Rich Award

Toni Baldwin, Mohamed Boudal, Rodney D. Burlett, Robert Lee Chandler, Walter Cobbs, Douglas Gay, Erma D. Gray, Mark Hoekstra, Beverly A. James, Thomas B. Johnson II, Gregory Kolka, John Lilly III, Eric Sumner, Reginald Tate, Wayne Thomas, and Richard Vreeland

10:20 am After the Mid-Morning Break

Professional Excellence Award - Organization Great Lakes Water Authority

Professional Excellence Award - Individual

Jaime Fleming, City of Wyoming Dr. Daisuke Minakata, Michigan Technological University

Operator Meritorious Award Robert Cox, City of Auburn Hills

Richard Husby Public Awareness Award Esther Baptiste, Great Lakes Water Authority

THURSDAY, SEPTEMBER 14th

8:00 am **After the Annual Business Meeting**

Executive Director's Award

Kyle Tryan, Benton Charter Township

Chuck Van der Kolk Volunteer of the Year Kelly Gleason, Lansing Board of Water & Light

Young Professional of the Year Hillary Caron, City of Grand Rapids

Research and Technical Practices Award Robert Veneklasen, City of Wyoming

11:30 am **During Fuller Lunch**

Michigan Water Industry Hall of Fame David Timm Mark Coleman

Raymond J. Faust Award George W. Fuller Award To Be Announced

Map and Exhibitors

American Flow Control	
Batco Inc	5
Better Bolting, Inc.	11
BlueConduit	13
Bluewater Tanks & Covers	42
Brita	
C&S Solutions, Inc.	31
Core & Main	29
Cradlepoint	30
DIPRA	
Dixon Engineering	33
Dutchland Inc	
ETNA Supply Company	3
ET NA Supply Company	0
FER-PAL Construction	49
Ferguson Waterworks	చ
Fleis & VandenBrink	31
FourBridge Solutions, LLC	25
H2flow Controls, Inc	41
HESCO	
Hydra-Stop	46
Hydro Corp	44, 45
Inliner Solutions	15
JETT Pump & Valve, LLC	6
Landmark Structures	1
Lewis Municipal Sales	36
M.F. Simpson	9
MacAllister Hydrovac Michigan CAT. Master Meter, Inc.	26
Master Meter, Inc	38
McWane Ductile	2
Michigan DHHS	39
Michigan State Industries.	.19. 20
MTech Company	32
Northern Pump & Well	21
MTech Company	34
Pullman	7
Pure Technologies	
Silveremith Inc	12 12
Silversmith, Inc Spicer Group, Inc.	17
Stantec	ZJ
Team UIS	27.20
The Plug Hug	.21, 20
Thompson Pipe Group	50
Tnemec Company Inc	i6
Underground Solutions	43
United Systems & Software	17
Utility Technologies LLC	4
Watertap Inc	14

Exhibitors as of August 21, 2023

SWIE Chance Auction

The Chance Auction to raise money for Safe Water in Ecuador (SWIE) will be held in the Exhibit Hall. Money raised will support drinking water projects in Ecuador for indigenous communities in need of safe and reliable water.

Browse items throughout the Exhibit Hall to be "auctioned" and help us support the people of Ecuador in their quest for clean water. Tickets are 3 for \$10 or 10 for \$20.

Map and Exhibitors

Exhibit Hall Hours: 7:15^{AM} - 6:00^{PM} Sept. 13 Lake Huron Convention Hall A

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MI-AWWA (517) 292-2912 WWW.MI-WATER.ORG

