

# PROGRAM AND REGISTRATION INFORMATION



# 97<sup>th</sup> ANNUAL MEETING

*Flowing into the Future*

MAY 13-15, 2024 | RENAISSANCE SCHAUMBURG, IL

CENTRAL STATES WATER ENVIRONMENT ASSOCIATION (CSWEA)  
1021 ALEXANDRA BLVD, CRYSTAL LAKE, IL 60014 USA  
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RENAISSANCE®

# 97th *Welcome to the* ANNUAL MEETING



Amy Underwood,  
CSWEA President  
2023-2024

The Local Arrangements Committee (LAC) is pleased to welcome you to the CSWEA's 97th Annual Meeting at the Renaissance in Schaumburg, IL. Our theme this year is *Flowing into the Future*. Whether it's dealing with too much or too little rain, addressing emerging contaminants, or becoming more sustainable, working in the water industry at this time provides us a unique opportunity to be the ones who drive the future of clean water. The Local Arrangements and Technical Program Committees have put together a great program that will help you learn from and collaborate with others who are making a difference in our industry.

The Annual Meeting starts on Monday with the golf outing, a service project assisting the Forest Preserve of Cook County in removing invasive species, and concurrent tours of stormwater improvements in downtown Arlington Heights and the Fox River Water Reclamation District Albin D. Pagorski Water Reclamation Facility in Elgin. The day concludes with the social event which will be held at Enterrium in the Woodfield Mall. This will provide opportunities to network and socialize while also having competitive fun bowling and playing other games.

Tuesday starts bright and early with the Jim Shaw Memorial 5k Run/Walk before the opening keynote session. The keynote address will be by Dr. Ann Perry Whitmer, who is an engineering professor at the University of Illinois at Urbana-Champaign's Carle College of Medicine, the world's first Engineering-Based Medical School. Dr. Whitmer will be discussing the emerging discipline of Contextual Engineering, which applies the social sciences to improve technical engineering design processes and explores the context of engineering for power system design, environmental infrastructure, and ecosystems affected by climate change. We will then transition into technical sessions and the Exhibit Hall. Lunch will be provided in the Exhibit Hall. The Exhibitor's Reception will be held in the late afternoon concurrent with meetings for 7S, Golden Manhole Society, Young Professionals and new members, and Global Water Stewardship (GWS).. In the evening, the CSWEA Annual Awards Event will be held off site at Maggiano's Little Italy. Join us at the event as we recognize outstanding members who have made great contributions to CSWEA and the water industry.

Wednesday starts with the State Section breakfasts followed by the Association's annual business meeting before once again transitioning into technical sessions and the Exhibit Hall. The Annual Association Meeting and Luncheon will be held at noon. WEF Immediate Past President Ifetayo Venner will provide an update on WEF. 7S and Golden Manhole Society inductees and the Operations Challenge teams will be recognized.

The Exhibit Hall will be open all day on Tuesday and in the morning on Wednesday. Many of the exhibitors also sponsor the meeting, for which we are extremely grateful. Please visit them in the Exhibit Hall and thank them for their support while learning about what services or products they offer. Also, please be sure to stop by the Exhibit Hall to place a bid in the Silent Auction which will raise funds for GWS and to visit the CSWEA booth to learn how you can become more active in the Association.

The technical sessions will run concurrently with the Exhibit Hall on Tuesday and Wednesday morning and then continue after lunch on Wednesday afternoon to close out the Annual Meeting. The Technical Program will include five parallel tracks on Tuesday and four parallel tracks on Wednesday. There will be tracks focusing on nutrients, wastewater treatment intensification, resource recovery, energy, collection systems, wet weather management, PFAS, odor control, and management, among other things. An operations track will be held on Wednesday, focusing on wastewater treatment optimization in the morning and math for wastewater operator certification in the afternoon. An ethics track will also be held on Wednesday afternoon. Thanks to the Technical Program Committee and Chair Chris Buckley for putting together an outstanding program.

Thank you to all who have worked tirelessly for this Annual Meeting, and a special thank you to LAC Chair Liz Heise and the rest of the LAC for your dedicated work in putting this meeting together. We look forward to seeing everyone in May for a successful event!

## Conference at a Glance

MONDAY, MAY 13		LOCATION	ROOM
8:00 am-11:00 am	Ex Comm Meeting	Richard Walkers Pancake House (Breakfast)	-
11:00 am-4:00 pm	Golf Outing	Highland Woods Golf Club	-
1:00 pm-3:00 pm	Plant Tour	Albin D. Pagorski Water Reclamation Facility	100 Purify Drive (Raymond Street), Elgin, 60120
1:00 pm-4:00 pm	YP Service Project	Arthur L. Janura Preserve	Carl R. Hansen Woods
1:00 pm-4:00 pm	Stormwater Tour	Arlington Heights Public Works	222 North Ridge Street
5:30 pm-9:30 pm	Bus to/from Social	Front Circle of Marriott/Enterrium	-
6:00 pm-9:00 pm	Social/Meet and Greet	Enterrium	-

TUESDAY, MAY 14		LOCATION	ROOM
6:30 am	Jim Shaw Memorial 5k Run/Walk	Front Circle of Convention Center	-
8:00 am	Opening Keynote	Schaumburg Convention Center	Nirvana BC
9:00 am-10:00 am	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Nirvana ABC/Euphoria
9:00 am-6:00 pm	Exhibit Hall	Schaumburg Convention Center	Exploration Hall
10:00 am-11:00 am	Poster Session/Ops Challenge	Schaumburg Convention Center	Back of Exploration Hall
11:00 am-12:00 am	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Nirvana ABC/Euphoria
12:00 pm-1:00 pm	Exhibitor Lunch	Schaumburg Convention Center	Exploration Hall
1:00 pm-2:00 pm	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Nirvana ABC/Euphoria
2:00 pm-2:30 pm	Poster Session	Schaumburg Convention Center	Back of Exploration Hall
2:30 pm-3:30 pm	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Nirvana ABC/Euphoria
3:30 pm-3:45 pm	7S Meeting	Schaumburg Convention Center	Schaumburg EF
3:45 pm-4:00 pm	Golden Manhole Society	Schaumburg Convention Center	Schaumburg GH
4:00 pm-4:30 pm	YP/New Member Meeting	Schaumburg Convention Center	Back of Exploration Hall
4:00 pm-6:00 pm	Exhibitor Reception	Schaumburg Convention Center	Exploration Hall
4:30 pm-5:00 pm	GWS Meeting	Schaumburg Convention Center	Back of Exploration Hall
5:30 pm-10:00 pm	Buses to/from Awards Banquet	Front Circle of Marriott/Maggianos	-
6:00 pm-7:00 pm	Pre-awards Reception	Maggianos	-
7:00 pm-9:00 pm	Annual Awards Event	Maggianos	-

WEDNESDAY, MAY 15		LOCATION	ROOM
7:00 am-8:00 am	State Section Breakfasts	Schaumburg Convention Center	Nirvana ABC
8:00 am-9:00 am	Annual Business Meeting	Schaumburg Convention Center	Nirvana ABC
9:00 am-10:00 am	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Euphoria
9:00 am-12:00 pm	Exhibit Hall	Schaumburg Convention Center	Exploration Hall
9:00 am-12:00 pm	Operations Track	Schaumburg Convention Center	Euphoria
10:00 am-11:00 am	Exhibitor Hour/Poster Session/Ops Challenge	Schaumburg Convention Center	Exploration Hall
11:00 am-12:00 pm	Technical Sessions	Schaumburg Convention Center	Schaumburg E-H/Euphoria
12:00 pm-1:30 pm	Annual Association Meeting	Schaumburg Convention Center	Nirvana ABC
1:30 pm-3:30 pm	Ethics Session	Schaumburg Convention Center	Schaumburg EF
1:30 pm-3:30 pm	Operations Track	Schaumburg Convention Center	Euphoria
1:30 pm-3:30 pm	Technical Sessions	Schaumburg Convention Center	Schaumburg GH

REGISTRATION HOURS		LOCATION
12:00 am-5:00 pm	Monday, May 13	Schaumburg Convention Center, Main Level
6:00 pm-9:00 pm	Monday, May 13	Enterrium (Badge Pickup Only)
7:30 am-5:00 pm	Tuesday, May 14	Schaumburg Convention Center, Main Level
8:00 am-3:00 pm	Wednesday, May 15	Schaumburg Convention Center, Main Level

EXHIBIT HALL HOURS		LOCATION
9:00 am-6:00 pm	Tuesday, May 14	Exploration Hall
9:00 am-12:00 pm	Wednesday, May 15	Exploration Hall

## Local Arrangements Committee

Name	Organization	LAC Role	Email
Liz Heise	Trotter and Associates	LAC Chair	<a href="mailto:e.heise@trotter-inc.com">e.heise@trotter-inc.com</a>
Amanda Streicher	Baxter & Woodman	5k Walk/Run Chair	<a href="mailto:astreicher@baxterwoodman.com">astreicher@baxterwoodman.com</a>
Brad Bennett	U-C Sanitary District	Audio/Visual Chair	<a href="mailto:bbennett@u-csd.com">bbennett@u-csd.com</a>
Natalie Cook	Donohue & Associates	Catering Chair	<a href="mailto:ncook@donohue-associates.com">ncook@donohue-associates.com</a>
Jonah Arter	CSWEA	Registration and CEUs	<a href="mailto:jarter@cswea.org">jarter@cswea.org</a>
Dean Wiebenga	Peterson and Matz	Exhibit Chair	<a href="mailto:dean.wiebenga@petersonandmatz.com">dean.wiebenga@petersonandmatz.com</a>
Tim Tack	LAI, Ltd.	Golf Outing Chair	<a href="mailto:ttack@lai-ltd.com">ttack@lai-ltd.com</a>
Matt Streicher	Glenbard Wastewater Authority	Social Chair	<a href="mailto:mstreicher@gbww.org">mstreicher@gbww.org</a>
Franklin Jakubow	Fox River WRD	Plant Tour	<a href="mailto:fjakubow@frwr.com">fjakubow@frwr.com</a>
Marissa Villafuerte	Brown and Caldwell	Poster Sessions Chair	<a href="mailto:mvillafu2@gmail.com">mvillafu2@gmail.com</a>
Nick Domalewski	Baxter & Woodman	Service Project Chair	<a href="mailto:ndomalewski@baxterwoodman.com">ndomalewski@baxterwoodman.com</a>
Rich Hussey	LAI, Ltd.	Silent Auction Chair	<a href="mailto:rhussey@lai-ltd.com">rhussey@lai-ltd.com</a>
Tim Juskiewicz	Burns and McDonnell	Stormwater Facilities Tour Chair	<a href="mailto:tjuskiewicz@burnsmcd.com">tjuskiewicz@burnsmcd.com</a>
Chris Buckley	EEL	Technical Program Chair	<a href="mailto:cbuckley@eeiweb.com">cbuckley@eeiweb.com</a>
Derek Wold	Baxter & Woodman	Soft Skills Track	<a href="mailto:dwold@baxterwoodman.com">dwold@baxterwoodman.com</a>
Jason Neighbors	Village of Lockport	Operations Track	<a href="mailto:jneighbors@lockport.org">jneighbors@lockport.org</a>
Jillian Kiss	Trotter and Associates	2018 LAC Chair, Advisor	<a href="mailto:j.kiss@trotter-inc.com">j.kiss@trotter-inc.com</a>
Joe Lapastora	Northern Moraine WRD	Flyers/Social Media Chair	<a href="mailto:lapastora@nmwr.com">lapastora@nmwr.com</a>
Amy Underwood	Downers Grove Sanitary District	2023-2024 CSWEA President	<a href="mailto:aunderwood@dgsd.org">aunderwood@dgsd.org</a>
Mohammed and Amy Haque	CSWEA	Executive Management	<a href="mailto:mhaque@cswea.org">mhaque@cswea.org</a> ; <a href="mailto:ahaque@cswea.org">ahaque@cswea.org</a>

## Technical Program Committee

Name	Organization	Role	Email
Chris Buckley	EEL	Chair	<a href="mailto:cbuckley@eeiweb.com">cbuckley@eeiweb.com</a>
Mandy Sheposh	Johnson Controls	Committee Member	<a href="mailto:amanda.sheposh@jci.com">amanda.sheposh@jci.com</a>
McKala Kiessling	City of Oconomowoc	Committee Member	<a href="mailto:mkiessling@oconomowoc-wi.gov">mkiessling@oconomowoc-wi.gov</a>
Shanna Czeck	City of St. Cloud	Committee Member	<a href="mailto:shanna.czeck@ci.stcloud.mn.us">shanna.czeck@ci.stcloud.mn.us</a>
Steve Graziano	Jacobs	Committee Member	<a href="mailto:steven.graziano@jacobs.com">steven.graziano@jacobs.com</a>
Colin Fitzgerald	Jacobs	Committee Member	<a href="mailto:colin.fitzgerald@jacobs.com">colin.fitzgerald@jacobs.com</a>

## Executive Committee

- President, Amy Underwood
- 1st Vice President, Troy Larson
- 2nd Vice President, Tim Wedin
- Treasurer, Alan Grooms
- Immediate Past President, Tracy Hodel
- WEF Delegate '22-'25, Rich Hussey
- WEF Delegate '23-'26, Anna Munson
- PWO Representative '23-'25, Jeremy Cramer
- YP Representative '22-'24, Andee Huff Chester
- Minnesota Section Trustee '22-'24, Anna Munson
- Illinois Section Trustee '23-'25, Amanda Streicher
- Wisconsin Section Trustee '23-'25, Matt Seib
- Executive Management, Amy Haque and Mohammed Haque

## Conference Highlights

Monday, May 13

### GOLF OUTING



**Highland Woods Golf Club | 11:00 am-4:00 pm**

This year's golf event will be held on Monday, May 13th at the Highland Woods Golf Club (2775 Ela Road, Hoffman Estates, IL 60192) at 11:00 am.

Highland Woods is a Forest Preserve northwest suburban championship course. It has generous fairways and 52 strategically placed sand traps throughout its rolling hills and tree-lined fairways

The registration fee includes a round of golf, golf cart, lunch voucher, and sleeve of balls as well as a chance at the many skill prizes. Rest assured, it will all end in plenty of time to get to the Meet and Greet Social event. Proceeds from the outing will support water quality issues through the Central States Water Environment Association (CSWEA).

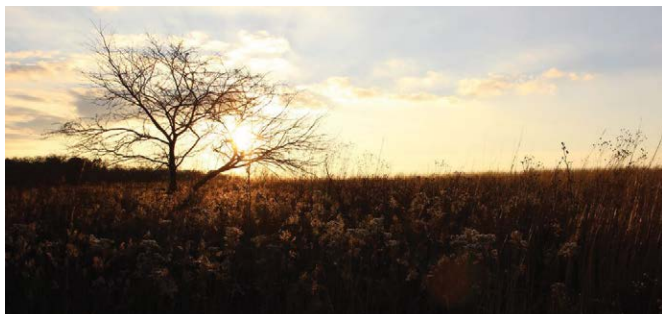


### YP SERVICE PROJECT

**The Carl R. Hansen Woods (The Arthur L. Janura Preserve) | 1:00 pm-4:00 pm**

Volunteer to help remove invasive species at an oak-hickory woodland at Carl R. Hansen Woods. Work alongside other CSWEA volunteers with the Poplar Creek Prairie Stewards to help improve the environment and make some new connections in the process! Materials and tools will be provided. Bring a reusable water bottle to fill.

For more information about this year's project, contact Nick Domalewski at [ndomalewski@baxterwoodman.com](mailto:ndomalewski@baxterwoodman.com).



### STORMWATER TOUR

**Downtown Storm Sewer Improvements –  
Arlington Heights Public Works, IL | 1:00 pm-4:00 pm**

In 2019, the Village of Arlington Heights completed improvements to their combined sewer system in response to a 7-inch rainfall event in July of 2011 that flooded or caused sewer backups in hundreds of homes. To protect homes, improve conveyance and reduce the occurrence of flooding, the Village had completed the installation of approximately 5,100 LF of 8" to 42" combined sewers in the downtown area primarily on West Campbell and West Sigwalt Streets between North Ridge Avenue and Vail Street. The cost for the project was \$3.7 million. The tour will include a site walk of the project limits and a short presentation of the project.

### PLANT TOUR

**Albin D. Pagorski Water Reclamation Facility |  
1:00 pm-3:00 pm**

The Fox River Water Reclamation District (FRWRD) owns and operates three water reclamation facilities (WRFs): the Albin D. Pagorski WRF (ADP WRF), the North WRF, and the West WRF; and 12 remote pump stations that provide wastewater treatment services to over 200,000 people in the metropolitan area of Elgin, IL.

The ADP WRF is a design average 25 MGD facility, originally constructed in 1924 and significantly expanded upon and upgraded since. Wastewater tributary to the ADP WRF is collected in both separate and combined sanitary sewers and includes flow from the Poplar Creek drainage basin of the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). The ADP WRF serves as a regional biosolids facility, receiving the solids generated at all FRWRD facilities via the Sludge Transfer Force Main located underneath the Fox River. Biosolids are anaerobically digested, dewatered, stored, and applied on farmland for beneficial reuse.

In 2022, biological phosphorus removal upgrades were completed at the ADP WRF to ensure compliance with lower effluent phosphorus limits set by the Illinois Environmental Protection Agency (IEPA). This included the construction of new fermentors, mixing basins, and struvite reactor among many substantial upgrades to the facility.



# CSWEA'S 97th ANNUAL MEETING

## SOCIAL MEET AND GREET

**Enterrium | 6:00 pm-9:00 pm**

Come kick off the Annual Meeting at Enterrium, located in the Woodfield Mall. Join your fellow water professionals for an outing of games, bowling, food and drinks, and fun! Transportation will be available from 5:30 pm-9:30 pm to and from the convention center, leaving from the circle drive at the front. If you would like to drive yourself, it is about a seven-minute drive from the Renaissance. Registration will be set up at the entrance to the event. Remember to get your drink tickets that are included with your registration badge and come ready to play, network, and have some fun!



**Tuesday, May 14**

## THE JIM SHAW MEMORIAL 5K RUN/WALK

**Front Circle of the Renaissance Schaumburg | 6:30 am**

Meet at the Front Circle of the Renaissance Schaumburg to take part in our annual 5k Run/Walk. Course details will be provided at registration. Run or walk along with your friends and fellow water professionals, enjoying the early-morning camaraderie before the conference day begins.

## OPENING SESSION AND KEYNOTE ADDRESS

**Nirvana BC | 8:00 am**



This year's Keynote is Dr. Ann-Perry Witmer, a teaching assistant professor in the Carle Illinois College of Medicine, as well as a lecturer in several College of Engineering and College of ACES departments at the University of Illinois Champaign-Urbana.

Dr. Witmer will be discussing her experiences working with water and wastewater both locally and internationally through the lens of contextual engineering. She will be highlighting the importance of place-based knowledge, and dealing with change in the face of shifting conditions. She will be drawing from her experiences around the world to show that the knowledge is out there to help us keep safe and reliable water flowing and keep wastewater treated. She will discuss the importance of embracing the change that also allows us to appreciate new perspectives and acknowledge that things are not the way they used to be.

She will also be discussing her experiences as an engineering professor working at the world's first Engineering Based Medical School and the intersection between engineering, public health, and medicine.

## TECHNICAL SESSIONS

**Schaumburg E-H/Nirvana ABC | 9:00 am-3:30 pm**

For more information, please see the Technical Program

## EXHIBIT HALL

**Exploration Hall | 9:00 am-6:00 pm**

Exhibits showcasing the latest technology in wastewater, collection systems, treatment and many related items will be on display. Be sure to visit our fine exhibitors and thank them for their support of our Association.

## EXHIBITOR LUNCH

**Exploration Hall | 12:00 pm-1:00 pm**

The Exhibitor Lunch offers exhibitors and conference attendees to meet in a relaxing and social environment. Please visit the Exploration Hall, where the Exhibitor Lunch will be held.

## POSTER SESSION

**Back of Exploration Hall |  
10:00 am-11:00 am/2:00 pm-2:30 pm**

Posters will be on display at the back of Exploration Hall. Presenters will be available at their posters at this time to discuss their posters and answer questions. Please stop and visit.

## EXHIBITOR RECEPTION

**Exploration Hall | 4:00 pm-6:00 pm**

Light snacks and refreshments (remember to bring your drink tickets included in your registration packet) will be provided in the Exploration Hall. Share some refreshments, visit with our exhibitors, and thank them for attending this year's Annual Meeting.

## CSWEA ANNUAL AWARDS EVENT

**Maggianno's Little Italy | 6:00 pm-9:30 pm**

This year's awards banquet will be held offsite at Maggianno's Little Italy in Streets of Woodfield. A pre-awards reception will be held from 6:00 pm-7:00 pm with drinks and passed hors d'oeuvres prior to the dinner.

At 7:00 pm, we will all sit down for a delicious family-style Italian meal while we listen to updates about CSWEA activities from the outgoing president, as well as vision for the year ahead from our incoming president. We will also honor this year's award winners for the many WEF and CSWEA Awards presented to the best of the best water professionals in the industry.

Transportation to/from the Renaissance Schaumburg will be provided between 5:30 pm and 10:00 pm.



**Wednesday, May 15**

## STATE SECTION BREAKFASTS

**Nirvana ABC | 7:00 am**

Please attend your respective State Section's business meeting to be updated on the activities of the Section and its committees. Don't miss this opportunity to get involved and find out where you can help your Section. This is a ticketed event and includes a meal. Please remember to purchase and bring your ticket with you.

## CSWEA ANNUAL BUSINESS MEETING

**Nirvana ABC | 8:00 am-8:45 am**

The Association Business Meeting will include reports from the Association Committees and Sections and the annual election of officers. We encourage everyone to attend and learn about our Association's activities. Everyone is welcome!

## EXHIBIT HALL

**Exploration Hall | 9:00 am-12:00 pm**

Exhibits showcasing the latest technology in wastewater, collection systems, treatment and many related items will be on display. Be sure to visit our fine exhibitors and thank them for their support of our Association.

## TECHNICAL SESSIONS

**Schaumburg E-H/Euphoria | 9:00 am-3:30 pm**

For more information, please see the Technical Program

## POSTER SESSION

**Back of Exploration Hall | 10:00 am-11:00 am**

Posters will be on display at the back of Exploration Hall. Presenters will be available at their posters at this time to discuss their posters and answer questions. Please stop and visit.

## CSWEA ANNUAL ASSOCIATION MEETING

**Nirvana ABC | 12:00 pm-1:30 pm**

Everyone is invited to the annual CSWEA Luncheon and Association Meeting! Enjoy a meal with colleagues, network, and meet some new people. Join us to learn about what CSWEA is up to, hear an update about WEF from our WEF Visitor, Past President Ifetayo Venner, and help us honor our newest inductees to the highly respected 7S and Golden Manhole Societies!

This is a ticketed event and includes a meal. Please remember to purchase and bring your ticket with you.

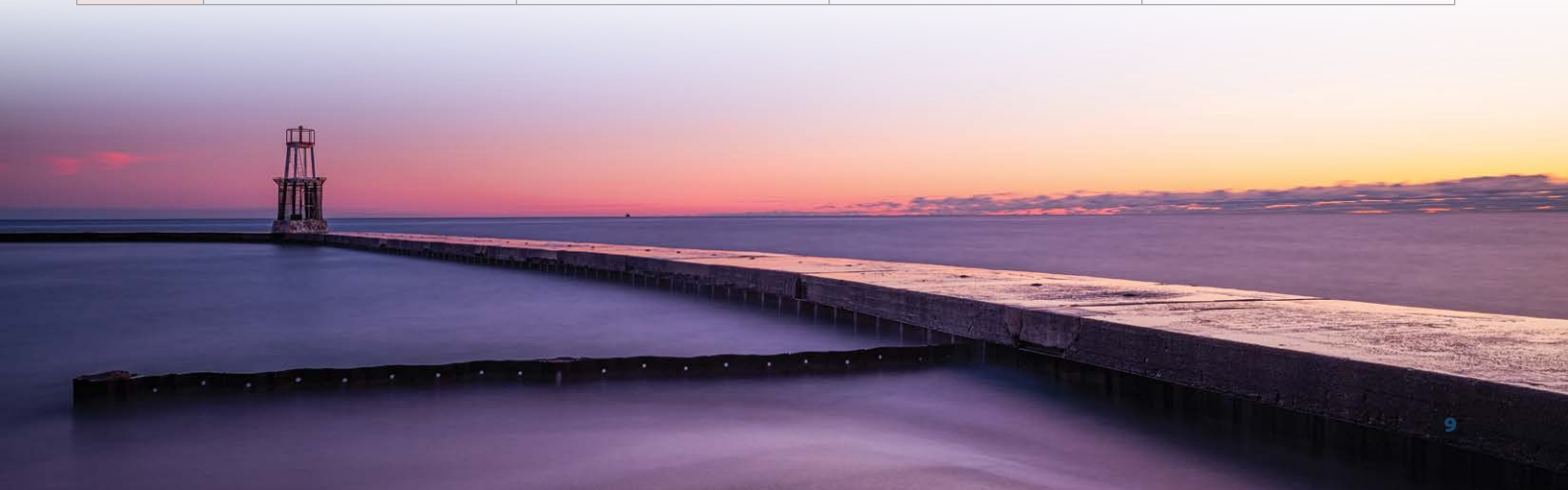
## Technical Program

Tuesday, May 14					
Session	A	B	C	D	E
	<b>NUTRIENTS</b>	<b>RESIDUALS AND SIDESTREAM NUTRIENT MANAGEMENT</b>	<b>IMPLEMENTATION</b>	<b>WET WEATHER MANAGEMENT</b>	<b>CONVEYANCE</b>
<b>Room</b>	<b>NIRVANA BC</b>	<b>NIRVANA A</b>	<b>EUPHORIA</b>	<b>SCHAUMBURG EF</b>	<b>SCHAUMBURG GH</b>
<b>Moderator</b>	<b>McKala Kiessling</b>	<b>Steve Graziano</b>	<b>Shanna Czek</b>	<b>Cathy Wunderlich</b>	<b>Colin Fitzgerald</b>
<b>YP Moderator</b>	<b>Anndee Huff Chester</b>	<b>Ethan Yen</b>	<b>Nick Domalewski</b>	<b>Cassandra Barrett</b>	<b>Marissa Villafuerte</b>
<b>8:00-9:00</b>	<b>Opening Session and Keynote Address</b>				
<b>9:00-9:30</b>	Implementation of Primary Sludge and Biomass Fermentation for Improved Biological Phosphorus Removal at the Delafield-Hartland Wastewater Treatment Facility <b>Nick Bartolero, Strand Associates</b>	Sidestream Phosphorus Sequestration and Recovery: A Step Beyond Phosphorus Removal <b>Bryan Coday, Carollo Engineers</b>	Harnessing the Power of Collaborative Project Delivery Methods <b>Tracy Ekola, Brown and Caldwell</b>	Enhancing Wastewater Infrastructure Resilience: A Case Study of Smart Sewer Technology Implementation in Northern Moraine Water Reclamation District <b>Joe Lapastora, Northern Moraine WRD Megan Livak, SmartCover Systems</b>	Building Sanitary Service Repair Assistance Program DGS20-20-Year Update <b>Derek Wold, Baxter and Woodman Amy Underwood, Downers Grove Sanitary District</b>
<b>9:30-10:00</b>	From High to Low: Case Study on the Transition to Suboxic DO Levels for Efficient Aeration and Nitrogen Removal <b>Natalie Beach, Carollo Engineers</b>	Anaerobic Digestion with Nutrient Control: What if your Digesters were the Sidestream? <b>Matthew Williams, Thermal Process Systems</b>	Less is More! Bartlett's Wastewater Improvements Simplify Operation While Providing Flexibility and Improved Effluent Quality <b>Philip Severson, Strand Associates</b>	Expand Capacity of the WWTP without Additional Biological Tankage and Handle Wet Weather Peak Flows <b>Vendash Gupta, Aqua-Aerobics Systems</b>	Rain or Shine, Illuminating Flow Monitoring Performance for Decision-Making <b>Tom Romza, RJN Group</b>
<b>10:00-11:00</b>	<b>Break and Poster Session</b>				
<b>11:00-11:30</b>	Why Are My Paos Misbehaving? Variability of Carbon Efficiency, PAO: GAO Competition, and Biomass Fermentation <b>Leon Downing, Black &amp; Veatch</b>	Piloting a Strain Press at the Madison Metropolitan Sewerage District <b>Carly Amstadt, Madison Metropolitan Sewerage District</b>	Benefits of Hydrocyclones for WRRF Performance: Better Settling, Improved Nitrification and Reduced E.coli!! <b>Arun Mande and Samir Mathur, CDM Smith</b>	Case Study: Innovative Decentralized Wastewater Treatment System for Remote Sewer Overflow Treatment in Milwaukee, WI <b>Will Schanen, Rapid Radicals Mohammed Tarawneh, Marquette University</b>	Highbanks Ravine, St. Cloud, MN; An Outfall with a History and the Long Journey to Funding a Necessary Project to Protect River And Bats <b>Tracy Hodel, City of St. Cloud April Ryan, SEH</b>
<b>11:30-12:00</b>	Commissioning of Biological Phosphorus Facilities <b>Troy Larson, Strand Associates</b>	A Measured Approach to Biosolids Management: Setting a Trend for Large Utilities <b>Sudhan Paranjape, Carollo Engineers</b>	Riding the Wave: Upgrading Outdated UV Systems in the Midwest <b>George Kontos and Nicole Heyniger, Carollo Engineers</b>	Federal, State, Regional, and City Resources Combine with a Common Goal: Create a Better Environment <b>Brendan Ward, HDR</b>	Trench Wet Well and Physical Model Improve New Lift Station Operation <b>Matthew Eberhardt, Foth Instructure and Environment</b>
<b>12:00-1:00</b>	<b>Exhibitor Lunch</b>				
Session	F	G	H	I	J
	<b>WWTP INTENSIFICATION</b>	<b>BIOGAS/ENERGY</b>	<b>CHEMICAL DOSE OPTIMIZATION</b>	<b>PRELIMINARY/PRIMARY TREATMENT</b>	<b>STORMWATER/WATERSHED</b>
<b>Room</b>	<b>EUPHORIA</b>	<b>NIRVANA A</b>	<b>NIRVANA BC</b>	<b>SCHAUMBURG EF</b>	<b>SCHAUMBURG GH</b>
<b>Moderator</b>	<b>Christopher Buckley</b>	<b>Steve Graziano</b>	<b>Shanna Czek</b>	<b>Colin Fitzgerald</b>	<b>McKala Kiessling</b>
<b>YP Moderator</b>	<b>Anndee Huff Chester</b>	<b>Nick Domalewski</b>	<b>TBD</b>	<b>Amanda Striecher</b>	<b>Marissa Villafuerte</b>
<b>1:00-1:30</b>	Decarbonization of Biological Nutrient Removal <b>Ethan Yen, Black and Veatch</b>	Microaerating Anaerobic Digesters Provides Benefits for Biogas Quality <b>Matt Seib, Madison Metropolitan Sewerage District</b>	Let's Stir Things Up: Jar Testing as an Essential Tool for Chemical Treatment <b>Ryan Holzem, Donohue &amp; Associates</b>	A Study on the Performance of Locally Available Coagulants on Chemical-Enhanced Primary Treatment (CEPT) at Milwaukee Metropolitan Sewerage District <b>Fuad Bin Nasir, University of Wisconsin - Milwaukee Sid Arora, Milwaukee Metropolitan Sewerage District</b>	Fullersburg Woods Dam Removal: Issues, Considerations, and Controversies <b>Deanna Doohaluk, The Conservation Foundation</b>
<b>1:30-2:00</b>	The Case for Process Intensification with Aerobic Granular Sludge <b>Brent Quimby, Aqua-Aerobics Systems</b>	Thinking Big on Energy: MMSD's Roadmap to 100% Renewable Energy <b>Katie Richardson and Matthew Pontikis, Greeley Hansen</b>	Innovative Use of Zeta Potential to Optimize Coagulation in Tertiary Filtration at Valparaiso, IN <b>Isabelle Hammer, Stantec</b>	Design Considerations for the First Primary Filtration Facility in Illinois <b>Kam Law, Donohue &amp; Associates</b>	Innovative Green Infrastructure Use for Combined Sewer Overflow Reduction, <b>Eric Carlson, Mead and Hunt</b>
<b>2:00-2:30</b>	<b>Break and Poster Session</b>				
	<b>WWTP INTENSIFICATION</b>	<b>BIOGAS/ENERGY</b>	<b>MANAGEMENT</b>	<b>PRELIMINARY/PRIMARY TREATMENT</b>	<b>STORMWATER/WATERSHED</b>
<b>2:30-3:00</b>	Aerobic Granular Sludge (AGS) Technology: Lessons Learned <b>Eric Evans, HDR Engineering</b>	Unlocking the Potential of Your POTW: Generating Renewable Energy and Maximizing Its Value <b>Tom Bachman, Mead and Hunt</b>	Cultivating the Next Wave of Leadership: A Case Study in Professional Development <b>Guy Carpenter and Mark Mendon, Consor Engineers</b>	Everything You Never Knew About Enhanced Primary Treatment <b>Christine Hengel-Prom, Black and Veatch</b>	Development of a Citywide Green Stormwater Infrastructure Plan to Aid in Water Quality and Flood Risk Reduction <b>Carrie Bristol-Groll, Aqualis</b>
<b>3:00-3:30</b>	Total Nitrogen Treatment: What is Required vs. What is Realistic <b>Ben Burroughs and Brett Schnur, Arcadis</b>	Excess Gas? Fox Metro Water Reclamation District's Regional Strategic Vision for Alternative Digester Gas Use <b>James Kerrigan, FMWRD Michael Ott, Strand Associates</b>	Circularity as a Path to Sustainability and Resilience for the Water Industry <b>Melissa Darr, Arcadis</b>	Implementation of Cloth Media Disk Filtration for Wet Weather Flow Management in Elkhart, IN <b>Katherine Merkle, Donohue &amp; Associates</b>	A Case Study on Watershed-Based Approaches and Modeling Strategies for Nutrient Permit Compliance <b>Brent Brown, Jacobs Engineering</b>



# Flowing into the Future

Wednesday, May 15				
Session	K	L	M	N
	PFAS/CEC	R&D/NOVEL APPROACHES	ODOR CONTROL	OPERATIONS OPTIMIZATION
Room	SCHAUMBURG GH	SCHAUMBURG E	SCHAUMBURG F	EUPHORIA
Moderator	Shanna Czeck	Mandy Sheposh	Steve Graziano	Christopher Buckley
YP Moderator	David Garb	Ethan Yen	TBD	Persephone Ma
8:00-9:00	<b>Annual Association Business Meeting</b>			
9:00-9:30	The Next Contaminant of Emerging Concern <b>Kaitlyn Hague, HDR Engineering</b>	Chemical Oxidation as a Secondary Treatment Alternative to Activated Sludge <b>Payton Loftis, Marquette University</b>	Odor Control For an Interceptor: A Layered Approach <b>David Arnott, Ruekert &amp; Mielke Glen Morrow, City of Franklin, WI</b>	Cutting Maintenance, Saving Energy, Improving Mixing, and Adding Condition Monitoring by Replacing Old Mixers with Innovative Mixing Technology in BNR <b>Mike Grinnell, Lake County Public Works</b>
9:30-10:00	Solutions for PFAS Recovery: Strengthen Public Trust, Restore Environmental and Financial Resources <b>Steve Schneider, SL Environmental Law Group</b>	Coupled Biological Sulfate Reduction: Sulfide Immobilization System for Removing Sulfate from Industrial and Municipal Wastewater <b>Nathan Johnson, University of Minnesota, Duluth</b>	Cold Weather Considerations for Your Vapor Phase Odor Control System <b>Sean Trainor, Evoqua</b>	Process Changes and Energy Reduction <b>Nick Newman and Ben Meier, Kishwaukee Water Reclamation District</b>
10:00-11:00	<b>Break/Exhibit Hall</b>			
11:00-11:30	Can Drying Actually Transform PFAS Too? Elucidating the Impacts of Drying, Pyrolysis, and Gasification on PFAS through Water Research Foundation Research <b>Patrick McNamara, Black &amp; Veatch/ Marquette University</b>	Use of Wastewater Grit and Milorganite Chaff in Concrete <b>Baolin Wan, Marquette University</b>	Odor Control Implementation at City of Wichita Plant 2: Sampling, Dispersion Modeling, Alternatives, Evaluation, and System Selection <b>Eric Compton, CDM Smith</b>	Screw Press Dewatering: Lessons Learned and Performance Optimization <b>Andy Warmus, Jacobs Amanda Striecher, Baxter and Woodman</b>
11:30-12:00	Results from WRF 5111: The Fate of PFAS through Sewage Sludge Incinerators <b>Lloyd Winchell, Brown and Caldwell</b>	Sewage Sludge Incinerator Ash as a Phosphorus Fertilizer for Corn and Soybeans <b>Persephone Ma, Brown and Caldwell</b>	Stop Suffocating Sulfate Reducing Bacteria (SRBs) <b>Garrett Schleis, ECO Oxygen Technologies</b>	Most-Open-Valve Automation Automated Solutions for Optimizing Aeration Blowers Using VFDS and Advanced Controls <b>Robert Kisler, Hoffman &amp; Lamson</b>
12:00-1:30	<b>Annual Association Meeting and Luncheon</b>			
Session	O	P	Q	R
	R2E2	ETHICS/ MANAGEMENT	WWTP PLANNING	OPERATIONS TRACK
Room	SCHAUMBURG GH	SCHAUMBURG E	SCHAUMBURG F	EUPHORIA
Moderator	Mandy Sheposh	Amanda Striecher	Christopher Buckley	Jason Neighbors
YP Moderator	Jon Butt	Rahim Ansari	Nick Domalewski	
1:30-2:00	St. Cloud's Green Hydrogen Project: Integration of Green Hydrogen Production into the Resource Recovery Process <b>Tracy Hodel, City of St Cloud</b>	Professional Ethics in Engineering <b>Dr. Michael C. Loui, University of Illinois at Urbana-Champaign</b>	Navigating the Flow: A Guide to Pumping Equipment Selection in Wastewater Treatment Applications <b>Kyle Malin, HDR Engineering</b>	Math 1 Training for Operators <b>Brent Perz and Jason Ruffati, Baxter and Woodman</b>
2:00-2:30	One Way to Self-Sufficient Energy and Carbon-Neutral Water Sector by 2030 <b>Ulrik Folkmann, WTA Consulate of Denmark</b>		Planning and Designing a New Facility with Room for Growth <b>Natalie Cook, Donohue &amp; Associates</b>	
	R2E2	ETHICS/TRAINING	WWTP PLANNING	OPERATIONS TRACK
2:30-3:00	Great Lakes ReNEW <b>Dr. Melissa Pierce, Current Water</b>	Professional Ethics in Engineering <b>Dr. Michael C. Loui, University of Illinois at Urbana-Champaign</b>	WEF's Integrated Planning Roadmap <b>Brandon Koltz, Brandon Koltz Water and Environmental Consulting LLC</b>	Math 1 Training for Operators <b>Brent Perz and Jason Ruffati, Baxter and Woodman</b>
3:00-3:30	The Water Council <b>Guy Carpenter, Consor Engineers</b>		Small Plant, Tight Site: A Journey from Antiquated Package Plant to Innovative SBR <b>Dan Schaefer, SEH Manuel de los Santos, Aqua-Aerobic</b>	Math 1 Training for Operators Exam Certification



## Presenters

### Keynote Presenter

Tuesday, May 14 | 8:00 am

#### DR. ANN PERRY WITMER



Dr. Ann-Perry Witmer is a teaching assistant professor in the Carle Illinois College of Medicine, as well as a lecturer in several College of Engineering and College of ACES departments at the University of Illinois Champaign-Urbana. She is the originator of the emerging discipline of Contextual Engineering, which applies the social sciences to improve technical engineering design processes, and she leads the sizeable Contextual Engineering Research Group, which explores the context of engineering for power system design, environmental infrastructure, and ecosystems affected by climate change. Dr. Witmer's work has brought her into close association with communities on five continents, exploring place-based knowledge and applying it to engineering solutions that best address user needs.

Before joining the University of Illinois, Dr. Witmer worked for more than a decade as a consulting engineer for public water supplies in Wisconsin, Illinois, Minnesota, and Iowa. In addition to her civil and agricultural engineering degrees from the University of Illinois, Dr. Witmer holds degrees in journalism and art history from Boston University and was a working journalist for daily newspapers in Illinois and Pennsylvania before becoming an engineer.

## PFAS and Emerging Contaminants Track

Wednesday, May 15 | 9:00 am to 12:00 pm

#### KAITLYN HAGUE, HDR ENGINEERING



Kaitlyn Hague has been working for HDR as a water/wastewater EIT for two years. Her work is primarily focused on process design for digester complexes. Before Kaitlyn joined HDR, she attended South Dakota State University where she earned undergraduate and graduate degrees in Civil and Environmental Engineering. Her graduate thesis addressed microplastics behavior in wastewater treatment plants.

#### STEVE SCHNEIDER, SL ENVIRONMENTAL LAW GROUP PC



Steve Schneider has been working with SL Environmental Law Group to help educate water and wastewater utilities in Minnesota on cost recovery strategies for PFAS contamination. Mr. Schneider draws upon his 30 years of experience with St. Paul Regional Water Services, where he spent the majority of his career serving their 450,000 customers in all aspects of operations, including 17 years as General Manager of the utility. He understands the challenge associated with managing a utility while dealing with the unfunded mandates resulting from more stringent treatment regulations regarding emerging contaminants like PFAS. Steve holds bachelor's degrees in Civil and Geological Engineering from the University of Minnesota and has held several positions

with the AWWA and the Association of Metropolitan Water Agencies (AMWA), including AMWA President from 2019-2021.

#### DR. PATRICK MCNAMARA, PHD, PE, BLACK AND VEATCH



Pat is a Wastewater Process Engineer with Black & Veatch and an associate professor at Marquette University. His research group investigates pyrolysis of biosolids and the fate of micropollutants, including antimicrobial chemicals and antibiotic resistant bacteria. His research is currently funded by the National Science Foundation, the Milwaukee Metropolitan Sewerage District, and private foundations. He got his PhD at Minnesota and his MS from Texas where he worked on dewaterability at Hornsby Bend.

#### LLOYD WINCHELL, PE, BROWN AND CALDWELL



Since graduating in 2005 from the University of Minnesota, Lloyd has spent 17 years with Brown and Caldwell as an environmental engineer. Lloyd's work has focused solely on wastewater treatment projects involving both industrial and municipal utilities. His specialties include wastewater liquids and solids process engineering. Recent solids process engineering includes PFAS fate, incineration optimization, energy recovery in solids processing, and emissions compliance.

## Operators Track

### Operations Optimization and Operators Track

Wednesday, May 15 | 1:30 pm to 3:30 pm

#### FUNDAMENTALS OF WASTEWATER MATH

The CSWEA Annual Conference will be offering a Full Day Operators Track developed for operators with an emphasis on Wastewater Optimization presentations in the morning with training certification for Math of Wastewater Operators in the afternoon.

Part of the Wastewater Optimization track will feature operators from the Kishwaukee Water Reclamation District discussing their hands-on approach to Operational Changes and Energy Savings at their WWTP.

The Math for Wastewater Operators Track will serve as an excellent review and preparation for all levels of Wastewater Operator Certification exams. Math is a basic skill that is necessary for the function of any wastewater plant. This course will cover much of the basic math and calculations used regularly in wastewater treatment.

This is a unique opportunity to take the class in a comfortable environment with plenty of time to absorb the material and



do well on the exit exam. Completing the course provides for 1.5 CEUs for Operators in Illinois, Wisconsin, and Minnesota.

- Basic Arithmetic
- Area and Volume Measurements
- Detention Time
- Pound Formula
- Chemical Dose Calculation
- Percent Removal Practice Problems
- Conversion Factors and Formulas
- Exam

#### JASON RUFFATTI, PE, WATER/WASTEWATER PROJECT MANAGER

Graduated with a B.S. in Civil Engineering at the University of Iowa. Five years of experience as a Water/Wastewater Engineer.

#### BRENT PERZ, PE, WASTEWATER DEPARTMENT MANAGER

Graduated with a B.S. in Civil Engineering at Iowa State University. 20 years of experience as a Wastewater Engineer and Project Manager.

## Ethics Training

Wednesday, May 15 | 1:30 pm to 3:30 pm

#### PROFESSIONAL ETHICS IN ENGINEERING



In this interactive session, we will explore the professional responsibilities of engineers. We will watch and discuss the short video "Incident at Morales: An Engineering Ethics Story," which raises ethical questions in the everyday practice of engineering. For example, what issues are involved in hiring an engineer from a competitor? How does organizational culture affect engineering decisions? Do professional responsibilities for safety stop at state or national borders?

This session will be led by Michael C. Loui, who is Professor Emeritus of Electrical and Computer Engineering and

University Distinguished Teacher-Scholar at the University of Illinois Urbana-Champaign. He held the Dale and Suzi Gallagher Professorship in Engineering Education at Purdue University from 2014 to 2019. He has conducted research in computational complexity theory, in professional ethics, and in engineering education. He is a Carnegie Scholar, a Fellow of the IEEE, and a Fellow of the American Society for Engineering Education. Professor Loui was Editor of the Journal of Engineering Education from 2012 to 2017 and Executive Editor of College Teaching from 2006 to 2012. He was Associate Dean of the Graduate College at Illinois from 1996 to 2000. He directed the Theory of Computing Program at the National Science Foundation from 1990 to 1991. He earned the PhD at the Massachusetts Institute of Technology in 1980 and the BS at Yale University in 1975.

## Special Guest

#### IFETAYO VENNER, PE, WEF IMMEDIATE PAST PRESIDENT



Ifetayo Venner, PE, is the immediate past president of, and a member of the 2023-24 Board of Trustees for, the Water Environment Federation (WEF), an international organization of water quality professionals headquartered in Alexandria, VA.

Ifetayo is a Professional Engineer and Envision Sustainability professional with Arcadis, a global design and consultancy firm for natural and built assets. She is the North America Wastewater and Water Sustainability Leader.

Ifetayo has been an active member of WEF since joining after college, participating in committees and task forces related to water resource recovery facility design, sustainability and WEF governance. She is a member of the Florida Water Environment Association and the Water Environment Association of Texas.

Ifetayo is a licensed professional engineer in Florida and Texas. She has a bachelor's degree in civil engineering from McGill University, a master's degree in environmental engineering and science from Stanford University, and an MBA (with a concentration in management and sustainability) from the University of South Florida.



# CSWEA'S 97th ANNUAL MEETING

## Venue

### THE RENAISSANCE SCHAUMBURG CONVENTION CENTER

1551 North Thoreau Drive, Schaumburg, IL 60173

The conference will be held at the Renaissance Schaumburg Convention Center in Schaumburg, IL. The Renaissance Schaumburg stands out in the Chicagoland area as a ground-breaking showpiece for conventions and trade shows. Offering 150,000 square feet of flexible event space and ideally located near upscale shopping and dining, the Renaissance Schaumburg offers a blend of modern elegance with expansive and fully integrated facilities.



## Accommodations

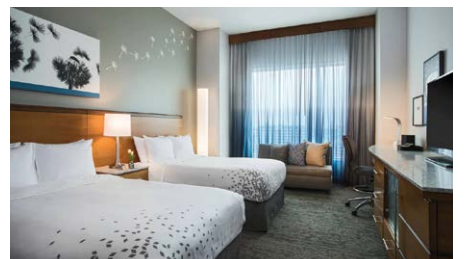
### THE RENAISSANCE SCHAUMBURG CONVENTION CENTER HOTEL

The Renaissance Schaumburg Convention Center Hotel is offering a special group rate for conference attendees this year. Just steps from Schaumburg, the hotel is located at 1551 Thoreau Drive North, Schaumburg, IL 60173.

With two restaurants and a coffeeshop also located within the hotel, you can network and catch up in between conference sessions and events. Free self-parking is available onsite.

Book a king standard room for \$163 per night while attending the conference by visiting <https://book.passkey.com/event/50655732/owner/27662/home>.

Reservations by attendees must be received on or before 5:00 pm on Monday, April 22, 2024, to qualify for the group rate. We expect that there will be great demand for these rooms, so please book early.



# Flowing into the Future

## Exhibit Hall

The Exhibit Hall will be open two days: Tuesday and Wednesday, May 14-15, 2024. This year, there will be an Exhibitor Lunch from 12:00 pm-1:00 pm on Tuesday in the Exploration Hall for those who wish to attend. As well, the conference provides longer breaks during the technical sessions with refreshments in the exhibit hall.

### Exhibitor Lunch

**12:00-1:00 pm**  
Tuesday

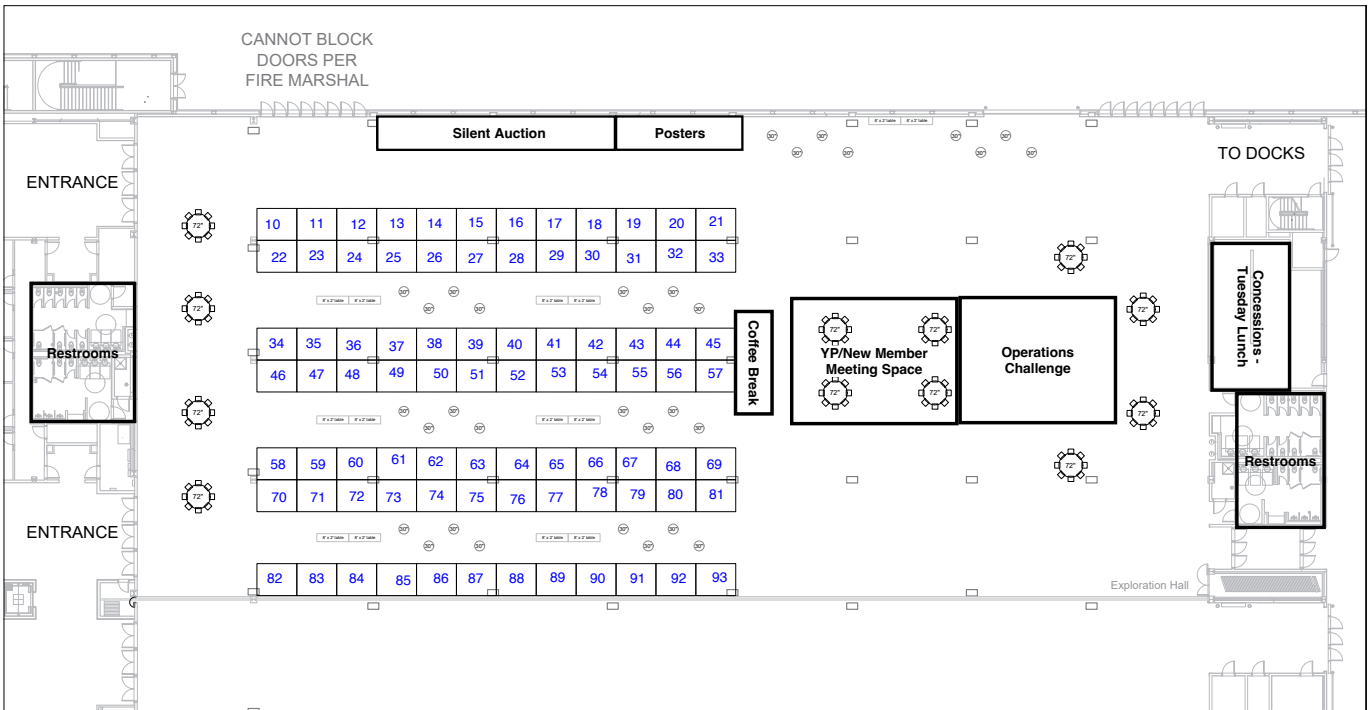
BOOTH #	COMPANY NAME
19	ADS Environmental Services
30	American Concrete Products
37	Andritz/Serpentix
76	Applied Technologies Inc.
12	Baxter & Woodman, Inc.
39	Blue-White Industries
86	Brenntag North America
48	Brierley Associates Corporation
79	CB&I Storage Tank Solutions LLC
89	CE Soling & Associates, LLC
42	Centrisys
90	Chemtrade Logistics
14	ComEd Energy Efficiency Program
73	CORNCOB, Inc.
88	DN Tanks
91	Dormer Company
70, 71	Drydon Equipment
54	Duperon Corporation

BOOTH #	COMPANY NAME
62	Dutchland Inc.
27	Electric Pump
18	ENECON Corporation
15	Energenex
63	Flow-Technics, Inc.
34	Foth Infrastructure and Environment
10, 11	Gasvoda & Associates
49	George E. Booth
24	Hach
25	Hach Software Group
67	Headworks International
82	HMG Engineers, Inc.
28	HydroCorp – Cross-Connection Control Program Services
84	ICS Group
60	IDEXX Laboratories, Inc.
29	In-Pipe Technology
72	Interstate Power Systems

BOOTH #	COMPANY NAME
87	Jim Jolly Sales, Inc.
78	Kraft Power Corporation
66	L&J Technologies
53	LAI Ltd.
59	Lakeside Equipment Corporation
52	Lystek International
80	McIntire Management Group
36	Peterson and Matz, Inc.
17	PPG/Raven
68	Preload, LLC
85	Progressive Business Solutions
64	Pumps and Controls
13	RJN Group, Inc.
31	Rodney Hunt
41	Sherwin Williams
83	Sidener Environmental Services, Inc.
47	SmartCover Systems
58	Stewart Spreading, Inc.

BOOTH #	COMPANY NAME
32	Swaby LOBELINE
40	Synagro
22	TKDA
51	Tnemec/Epoxytec
46	Trotter and Associates, Inc.
50	Tsurumi Pump
16	Unison Solutions
65	USALCO
23	VEGA Americas
26	Verde Solutions LLC
77	Visu-Sewer of Illinois, LLC
74	Warren Environmental
61	Wisconsin Surplus Online Auction
75	World Water Works
38	Xylem
20	Xylem - Sanitaire Products

## EXHIBIT HALL LAYOUT



# CSWEA'S 97th ANNUAL MEETING

## Attendee Registration Form

### FULL CONFERENCE REGISTRATION

Includes Monday Night Social, Exhibits, Technical Sessions, Tuesday Exhibitors Lunch, Wednesday Exhibitors Reception and Annual Awards Event. Full Conference Registration also includes all meals on Wednesday, State Section Business Meeting, and Annual Association Meeting.

	Before April 19	After April 19	AMOUNT
Member	\$515	\$575	
Non-Member [1]	\$535	\$585	
Retiree	\$315	\$345	
Student	\$175	\$175	

### BASIC CONFERENCE REGISTRATION

Includes Monday Night Social, Exhibits, Technical Sessions, Exhibitors Lunch, and Tuesday Exhibitors Reception. Sit-down meals on Tuesday and Wednesday must be purchased separately.

	Before April 19	After April 19	AMOUNT
Member	\$380	\$405	
Non-Member [1]	\$410	\$435	
Retiree	\$190	\$210	
Student	\$ 50	\$ 50	

### ONE DAY REGISTRATION

**Tuesday:** Includes Monday Night Social, Exhibits, Technical Sessions, Exhibitors Lunch, and Exhibitors Reception. Sit-down meals must be purchased separately.

**Wednesday:** Includes Exhibits and Technical Sessions. Sit-down meals must be purchased separately.

	Before April 19	After April 19	AMOUNT
Tues - Member	\$230	\$255	
Tues - Non-Member [1]	\$260	\$285	
Wed - Member	\$230	\$255	
Wed - Non-Member [1]	\$260	\$285	

### EVENTS AND MEALS (A LA CARTE)

Please circle event & meal selections for you and any guest/spouse who may be joining you for an event or meal.

ATTENDEE OR GUEST NAME	EVENTS						EVENTS W/MEALS				TOTAL
	GOLF OUTING	STORMWATER TOUR	5K RUN/WALK	SERVICE PROJECT	MONDAY SOCIAL (GUESTS)	PLANT TOUR	STATE SECTION BUSINESS MEETING	ANNUAL ASSOCIATION MEETING	ANNUAL AWARD EVENT	ALL MEALS	
	\$85	N/C	\$25	N/C	\$25	N/C	\$25	\$35	\$75	\$135	
	\$85	N/C	\$25	N/C	\$25	N/C	\$25	\$35	\$75	\$135	
	\$85	N/C	\$25	N/C	\$25	N/C	\$25	\$35	\$75	\$135	
	\$85	N/C	\$25	N/C	\$25	N/C	\$25	\$35	\$75	\$135	
	\$85	N/C	\$25	N/C	\$25	N/C	\$25	\$35	\$75	\$135	

[1] Includes one (1) year of membership to CSWEA.

[2] Guest/Spouse Registration includes Meet & Greet, Exhibitor Reception and Refreshments in Exhibit Hall.

Global Water Stewardship Donation \$ \_\_\_\_\_

**GRAND TOTAL \$** \_\_\_\_\_

Name \_\_\_\_\_ Employer \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

WEF Member Number \_\_\_\_\_ New Member (within last year)  Yes  No

Operator Number (if applicable) \_\_\_\_\_

Are you a Young Professional (less than 36 years old)  Yes  No Do you want to become more active in CSWEA?  Yes

Dietary Restrictions/Special Accommodations \_\_\_\_\_

Golf Partners \_\_\_\_\_

Would you like to donate an item to the CSWEA Global Water Stewardship Silent Auction  Yes

Make Checks Payable to CENTRAL STATES WATER ENVIRONMENT ASSOCIATION | 1021 Alexandra Blvd, Crystal Lake, IL 60014

**Questions?** Registration: Amy Haque – 855-692-7932 x102 | [ahaque@cswea.org](mailto:ahaque@cswea.org)

## Utility Registration Form

Contact Person \_\_\_\_\_ Utility \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
 Phone \_\_\_\_\_ Email \_\_\_\_\_

### UTILITY REGISTRATION [1]

Registration includes Monday Night Social, Exhibits, Technical Sessions, Box Lunch, and Exhibitors' Reception. (Registration does not include the State Section Business Meeting, Annual Association Meeting, Annual Awards Event, or other Events. Register for them below).

	Before April 19	After April 19	AMOUNT
Collection System Only or 0-1 MGD	\$300	\$350	
1 - 5 MGD	\$500	\$600	
5 - 20 MGD	\$900	\$1,000	
20 - 50 MGD	\$2,000	\$2,500	
> 50 MGD	\$3,000	\$3,500	

### UTILITY ATTENDEE REGISTRATION INFO & A LA CARTE SELECTIONS

Please mark the days of attendance, circle events and meals for each utility attendee and indicate the total for each attendee to the right.

ATTENDEE NAME	ATTENDING			EVENTS						EVENTS w/ MEALS [2]				TOTAL
	TUES	WED	BOTH	GOLF OUTING	STORMWATER TOUR	SERVICE PROJECT	5K RUN/WALK	MONDAY SOCIAL (GUESTS)	PLANT TOUR	STATE SECTION BUSINESS MEETING	ANNUAL ASSOCIATION MEETING	ANNUAL AWARDS EVENT	ALL MEALS	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	
				\$85	N/C	N/C	\$25	\$25	N/C	\$15	\$25	\$35	\$75	

[1] Registration based on NPDES permitted flow.

[2] Rates reflect maximum rates allowable on per diem or GSA rates. Only Available to members registered as utilities.

Global Water Stewardship Donation \$ \_\_\_\_\_

**GRAND TOTAL** \$ \_\_\_\_\_

### GUEST & SPOUSE REGISTRATIONS

Please use the Attendee Form on previous page to purchase all Guest/Spouse event and meal tickets.

List any new WEF/CSWEA Members from the last year: \_\_\_\_\_

List all Young Professionals (35 years old or younger): \_\_\_\_\_

List attendees that would like to be more active in CSWEA: \_\_\_\_\_

Dietary Restrictions/Special Accommodations \_\_\_\_\_

*Please list name with request*

Golf Partners \_\_\_\_\_

Would you like to donate an item to the CSWEA Global Water Stewardship Silent Auction  Yes

Make Checks Payable to CENTRAL STATES WATER ENVIRONMENT ASSOCIATION | 1021 Alexandra Blvd, Crystal Lake, IL 60014

**Questions?** Registration: Amy Haque - 855-692-7932 x102 | [ahaque@cswea.org](mailto:ahaque@cswea.org)

# CSWEA'S 97th ANNUAL MEETING

## Conference Sponsors

### Platinum Sponsors



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### Silver Sponsors



### Bronze Sponsors



### Meet & Greet Sponsors



### Awards Banquet Sponsor



### Association Luncheon



### Golf Sponsors



### 5K Run/Walk

