

CALL FOR ABSTRACTS



98TH ANNUAL MEETING

# One Water for All

MAY 28-30, 2025

Monona Terrace, Madison, WI



The Central States Water Environment Association (CSWEA) Technical Program Committee has the responsibility for technical sessions at the Annual Meeting. Participants in any sector of the water environment field are cordially invited to submit abstracts for evaluation. Abstract submissions that will be given highest credit include:

- Submissions with a focus on day-to-day treatment, by people with hands-on experience at facilities.
- Topics of emerging concern or current industry focus, such as climate driven impacts on POTWs or a One Water planning approach.
- Case studies presented from diverse perspectives, such as operators, young professionals, middle management, and utility leaders.
- Research topics and case studies related to new and innovative technologies.
- Submissions focusing on local projects or issues.

**Abstracts will be scored by the Technical Program Committee based upon the following criteria:**

- 1. Originality and status of subject** – The abstract should present new concepts or new and novel applications of established concepts. It also may describe substantial improvements of existing theories or present significant data in support or in furtherance of those theories. Studies with incomplete results or ill-defined problem statements should be avoided.
- 2. Content** – Abstracts can either be technical or non-technical in nature. In either case, it should be evident that the abstract clearly describes the entirety of the content that would be presented in a technical session. The abstract content should be objective and non-biased toward specific products, approaches, or otherwise. Each abstract should contain clear purpose and impact for conference attendees.
- 3. Water environment significance** – The author should clearly describe the pertinence of the abstract content to a practical area of concern or interest within the water quality and wastewater management industry.
- 4. Adequacy of abstract preparation** – The adequacy of an abstract is often indicative of the quality of the final presentation. The abstract summarizes the presentation; therefore, it should provide a concise summary of objectives, scope, general procedures, results, and conclusions. To receive full credit for abstract format, submitters are encouraged to use the downloadable **Abstract Template** available on the CSWEA website. Submittal of presentation slides or a generic product brochure in place of an abstract will not be considered.

Once you start the abstract submission process using the online form, you cannot come back to it later. Have all materials ready to submit before starting the submission process. Presenting authors will be notified in January 2025 of the acceptance or rejection of the abstract. On behalf of the Technical Program Committee, thank you for your interest in – and contributions to – this year's technical program!

**Steve Graziano**  
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Jacobs Engineering  
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Submit abstracts by 11:59 pm CST on December 8, 2024 at <https://cswea.wufoo.com/forms/98th-annual-meeting-call-for-abstracts>

#### For Technical Abstracts

- Highlight desktop, benchtop, pilot study, full-scale projects, etc.
- Includes data, figures, and methodology.

#### For Non-Technical Abstracts

- Highlight soft skills, utility management and leadership.
- Does not require data but should allow for clear interpretation of the author's intent.

#### Necessary Elements of Abstract

- Use the downloadable **Abstract Template** available on the CSWEA website that includes:
  - Title
  - Author(s)
  - Introduction/Background
  - Main Content
  - Broader Impacts
- Include all tables, figures, and references.
- Full abstract shall be 3-6 pages in length.

#### Online Submission

- Enter the Abstract Title.
- Enter an Abstract Summary (120 words max)
- Select your presentation format (oral or poster)
- Import Presenter and Co-Author affiliations and contact information.
- Choose your applicable topic area(s)
- Upload your abstract document (PDF with filename format: Last Name-Abstract Title).

Determine  
Abstract Type



Abstracts  
Must Contain



Submit  
Abstract Online



# Looking for abstract topic ideas? Consider these!

## **IMPLEMENTATION to OPERATIONS and MAINTENANCE:**

- Time management or new process startup
- Efficiency (pumps, motors, lights, UV disinfection, HVAC, etc.)
- Technology/SCADA/Web-based maintenance programs/GIS applications
- Troubleshooting – Traditional facilities (activated sludge, BNR), new processes (nutrient recovery) etc.
- Case studies of facilities
- Startup case studies
- Optimization

## **ADVANCEMENTS in LIQUIDS TREATMENT**

- Enhanced primary treatment
- Secondary treatment advancements and intensification
- Nutrient removal
- Tertiary treatment
- Alternative disinfectants

## **WATERSHEDS and STORMWATER MANAGEMENT:**

- Climate change-driven impacts on treatment plants
- Green infrastructure solutions and best management practices
- Implementing new MS4 permit requirements
- Anti-degradation and other regulatory issues
- Using grants and other funding sources to implement stormwater management as part of CIP projects
- Habitat or groundwater protection or restoration
- Non-point pollution source modeling
- Water quality trading and watershed management issues and initiatives, including adaptive management
- Total maximum daily loads involving point and non-point sources
- Public education and outreach

## **UTILITY MANAGEMENT:**

- Communications
- Employee retention and development
- Succession planning
- Project funding
- Utility rate development and reviews

## **GENERAL:**

- Laboratory issues and bench-scale studies
- Pretreatment, industrial treatment, and pollution prevention
- Pollutants of emerging concern – PFAS, chlorides etc.
- Public education to address emerging concerns – chlorides, water softener use, leachate, flushable wipes, etc.
- Regulatory issues
- Security issues
- Engineering ethics training
- Collection system/treatment plant odor control
- *The Infrastructure Investment and Jobs Act*
- Significant industrial users and industrial pretreatment
- Emergency response/repairs

## **RESOURCE RECOVERY and ENERGY OPTIMIZATION**

- Resource recovery – sourcing raw materials, nutrient recovery
- High strength waste and pretreatment programs
- Digester gas production and treatment technologies
- Lessons learnt from co-digestion
- Heat recovery case studies
- Alternative energy use
- Energy management and savings to utility management

## **COLLECTION SYSTEMS:**

- Collection system rehabilitation technologies/methods
- Collection system rehabilitation case studies
- Educating the public on how to protect the system
- CMOM program development and implementation
- Collection system design and operation
- Green infrastructure case studies
- Infiltration/inflow management case studies
- Stormwater and combined sewer overflow management
- Stormwater conveyance

## **RESEARCH and DESIGN:**

- New/innovative technology research and application
- Nutrient removal technologies
- Sustainability in design and construction
- Toxics/emerging pollutants monitoring and control
- Treatment design
- Wastewater reuse, applications, technology and regulatory issues
- Wastewater surveillance

## **RESIDUALS, SOLIDS AND BIOSOLIDS:**

- Pollutants of Emerging Concern – PFAS
- Standard or advanced treatment and stabilization
- Environmental management systems – National Biosolids Partnership
- Public education and awareness, case studies
- Fertilizer production – Class A case studies

## **SOFT SKILLS/LEADERSHIP:**

- Leadership skills
- Managing the ill or injured employee
- Generational integration
- Anti-harassment and discrimination training for managers
- Getting the most out of employee performance evaluations
- Union negotiations
- Handling the grievance and arbitration process
- Managing in a union environment
- Labor Law
- Management rights for managers
- Social media and the workplace

