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Member Association News

Alabama WEA ([AWEA](#))

The AWEA 2017 Annual Conference was held in Orange Beach, Alabama on April 9 -11th. The Collection System Track included the following topics and were attended by a total of 307 wastewater professionals.

- ◆ SSO reduction strategies using manhole water level data
- ◆ Critical sewerline crossings
- ◆ Time and material contracts for emergency repairs
- ◆ Odor control using SuperOxygenation
- ◆ Sewer cleaning prioritization and scheduling
- ◆ Design
- ◆ Collection System maintenance optimization
- ◆ Forcemain inspection methods

The AWEA Collection System Committee (CSC) plans to host four workshops prior to the 2018 AWEA annual conference.



Matt Alpaugh-Jefferson County and Tad Powel from Hazen and Sawyer. Photo : AWEA

Hawaii WEA ([HWEA](#))

The 9th Biennial Collection Systems Conference is set for **Wednesday, November 29, 2017** in Honolulu, HI. The conference, put on by the Hawaii Water Environment Association (HWEA) Collection Systems Committee, is seeking papers for presentation. This year's conference will include a wide variety of topics related to wastewater collection systems with an emphasis on **current collection system technologies, policies and regulations**. Other presentation topics may include:

- ◆ Collection System Design (including pump stations)
- ◆ System Operations, Maintenance and Troubleshooting
- ◆ Construction / Rehabilitation Methods

- ◆ Collection System Assessment
- ◆ Safety Issues
- ◆ Regulations / Enforcement
- ◆ New Technologies
- ◆ Management and Administration of Systems
- ◆ Operator Certification

If interested, please submit abstracts in hard copy or electronic format, along with the proposed title, name(s) of speaker(s), author(s), company/agency affiliation, address, telephone and facsimile number, and e-mail address.

Abstracts are due by **July 31, 2017**. Please send the abstracts to:

Brown and Caldwell , c/o Tom Myers
737 Bishop Street, Suite 3000 , Honolulu, Hawaii 96813
Or e-mail Tom Myers at tmymers@brwncald.com

This conference is currently in the planning stage but it is anticipated to have dual technical sessions and table top exhibits during this one-day event. There may also be activities (e.g. workshops, field trips) on the preceding days.

For additional information, please contact HWEA Collection Systems Committee members, Tom Myers at ph. (808) 203-2660 or Roy Abe at ph. (808) 697-6228. Please visit our website at www.hwea.org for more information on the conference.

New England WEA ([NEWEA](#))

NEWEA held its joint Sustainability & Collection Systems Specialty Conference on May 1, 2017 at the Doubletree Hotel in Westborough, Massachusetts.

Information on the speakers and sessions follow:

Morning Session – Maintenance and Planning

- ◆ Improving Fat, Oil and Grease (FOG) Management in Urban

Member Association News (continued)

Wastewater Sewer Networks Through Technology Integration (Michael O'Dwyer, SwiftComply)

- ♦ Sustainable Maintenance Approaches (Joseph Buckley, City of Worcester DPW&P, Sewer Operations Division)
- ♦ PACPÁ® Asset Management (Laurie Perkins, Wright-Pierce)
- ♦ Taking it to the Next Level: Predictive Models Based on Over 500 Miles of Force Main Condition Assessment (David Smith, Pure Technologies US, Inc.)

Afternoon Session – Pumps and Piping Systems

- ♦ Intelligent Wastewater Pumps - The Next Pump Industry Breakthrough (Bob Domkowski, Xylem, Inc.)
- ♦ Utilizing Two Trenchless Rehabilitation Technologies to Reduce Wet Weather Flows in the Bear Brook Watershed-Saco Maine Case Study (Matt Timberlake, Ted Berry Company, Inc.)
- ♦ Pumping Station Consolidation and Trenchless Installation Case Study - New River Street Pump Station Project (Timothy McDonald, Arcadis US, Inc.)
- ♦ Looking at Subsurface Stormwater Detention Design in an Urban Environment Through a Sustainability Lens (Wayne Bates, Tighe & Bond)

NEWEA's Spring Meeting & Exhibit is scheduled for **June 4 – 7, 2017** at the Sea Crest Hotel in North Falmouth, Massachusetts.

North Carolina WEA ([NC AWWA-WEA](#))

The NC AWWA-WEA Wastewater Collection & Water Distribution Systems Committee will be hosting a discussion centered on the various technologies available today that can be used to perform condition assessment of existing pressurized pipes on **May 17, 2017** in Mooreville, NC. This information can in turn be used to aid in determining the pressure pipes remaining useful life. Factors that will be discussed include selection methodology for the technologies deployed, their associated costs, and the information gathered during the condition assessment process. The goal of this discussion is to help utilities determine what technologies are available for collecting data used in a pressurized piping condition assessment effort.

For more information and to register, [click here](#).

WEA of Texas ([WEAT](#))

The 2017 Texas Water Conference was held at the Austin Convention Center April 10 - 13, 2017. The WEAT Collections Committee met during the conference on Tuesday April 12th. Topics of discussion during the meeting included the adoption of the 2017 Texas Legislature collection system related bill filings, WEFMAX in Austin May 31st; WEF CSC updates by WEAT CC members Jerome Iltis and Mattie Engels; WEAT Collection Systems Webinar May 10th; WEAT Collections Conference January 16 – 17, 2018; and NASSCO 2018 Annual meeting collaboration. The successes achieved by the committee in 2016/17 with webinars, conferences, subcommittee structure development, legislative/regulatory support and committee growth were discussed as well as promoting active volunteerism by all committee members.

At Texas Water 2017, for the second year, the Collection Systems technical session was a full day (morning and afternoon session) of educational presentations. Speakers/topics were selected by

the 24 member strong WEAT Collections Committee including: *Sewage Air Release Valves* by Mark Perkins of Perkins Engineering; *Wastewater Master Planning* by Shela Chowdhury of the North Texas Municipal Water District; *Wastewater Collection Cleaning Operations* by Rusty Nezat of Nezat Training and Consulting; *Manhole Condition Assessment by Manned Entry and Ground Penetrating Radar* by Christopher Hunniford of V&A Engineering; *Wastewater Line Upgrade Challenges and Lessons Learned* by Stephanie Blew of Stantec Engineering; *Wastewater Pipeline Construction Challenges and Coordination* by Michael Ramirez of Parkhill, Smith and Cooper; *Lift Station Pumping Modifications for Cost Savings* by Timothy Lackey of Half and Associates; *Large Diameter Sewer Design through Developing Cities* by Paul Banschbach of Lockwood Andrews and Newnam; *Maintenance and Repair of Low Water Utility Crossing* by Raj Mehta of JQ Infrastructure; *Cured In Place Pipe Rehabilitation and Risk Management* by Phillip Wheat of Half and Associates; *Sanitary Sewer Interceptor Relocations Through Weak Soil Conditions* by Josh Kercho of Kimley-Horn and Associates.

Awards presented at the conference include inducting Heather Cooke, Heather Harris, Rick Hidalgo, Jennifer Moore, and Janet Sims into the Select Society of Sanitary Sludge Shovelers (5S). The 5S was founded by the Arizona Member Association in 1940 and induction is by selection and on the basis of merit. Within WEAT, induction is based on "Outstanding, meritorious service above and beyond the call of duty." The Sidney L. Allison Award was presented to Hugh Kelso with RJN Group for his contributions to the Wastewater Collection System industry, specifically for his 40 year focus in the wastewater collection system condition assessment and rehabilitation to mitigate sanitary sewer overflows. Throughout his career, Hugh has worked to assist his clients in achieving compliance with the Clean Water Act as well as state and federal regulatory compliance. This award is given to a person or organization that has made significant contributions to the engineering, science, and/or operation and maintenance of wastewater collection and pumping stations.

WEAT Collections Committee is also hosting a webinar on **Wednesday, May 10th from 12noon to 1 p.m. CST** entitled "*Collection Systems Pumping: Why Pumps Break and How to Diagnose Pump Performance Issues in the Field.*" Webinar Presenters are David E. Shank, PE, BCEE with Burgess & Niple and James Mansfield of Pump Solutions, both highly experienced in their fields of expertise.

This two part webinar begins with a focus on 50 Ways to Break a Pump, a both lighthearted, yet serious, look at failed pumps and pump systems the presenter has encountered over his 40-year career. The second presentation, How to Diagnose Pump Performance Issues in the Field, will take a hard look at diagnosing a pump's performance in the field, realizing that a pump can tell you a lot about how it is performing if you know what to look for. The presentation will discuss how operators and engineers can diagnose a pump's performance using information available in the field. One hour of CEU credit for wastewater operators through TCEQ for attendance. The webinar will use gotowebinar and is free to WEAT/WEF members. To register go to for the upcoming webinar, [click here](#).

Collection Systems Awards

In each issue we like to recognize professionals and/or utilities in your Member Association (MA) who received a distinguished award in collection systems. Please contact Bri Nakamura at bnakamura@wef.org if you would like to contribute.

Alabama WEA

At the AWEA 2017 Annual Conference was held in Orange Beach, Alabama on April 9 -11th, the prestigious *Golden Manhole Award* was presented to **James (Jimmy) Segrest** - City of Auburn; and **Craig Thorpe** – City of Tuscaloosa.



Golden Manhole Awardee's Jimmy Segrest and Craig Thorpe with AWEA President Wheeler Crook. Photo : AWEA.

Florida WEA

In April, at the Florida Water Resources Conference in West Palm Beach, there were several different collection systems awards recognized.

Collection System of the Year Award

Small System, Seminole Tribe of Florida Public Works Department, Brighton



Although a small system with a limited budget, the Seminole Tribe of Florida Public Works Department is this year's small system award winner. All operations personnel are certified operators and the Department has implemented a CityWorks CMMS to better manage its assets. In 2015 and 2016 the Department has inspected its entire collection system, rehabilitated all of the system manholes and 20% of its pump stations.

Medium System, City of Pompano Beach Utilities Department



With more than 17,500 commercial and residential accounts, serving a population of 82,000, the City of Pompano Beach Utilities Department is this year's Medium System recipient. The City conveys an average flow of 12 MGD, funds \$700,000 in annual Lift Station rehabilitation, has implemented a condition assessment program and an Inflow and Infiltration reduction program utilizing CCTV inspections, main grouting and relining programs that has resulted in significant infiltration/chloride reductions.

In 2016, the Utilities Department completed the piloting of an Air Release Valve Maintenance program using Lean/Six Sigma

Process Improvement and prepared a Standard Operating Procedure based on root cause for failures. Based on the results of the pilot program, a 10-20% reduction in lift station electrical costs as well as longer pump life and reduced hydrogen sulfate corrosion is expected.

Golden Manhole Society Recipients

FREDDY BETANCOURT, P.E., LEED AP, ENV SP

Mr. Betancourt is the Central Florida Location Leader for Arcadis and has more than 18-years of experience, including 15 of those directly involved with Collection System Design, Construction and Rehabilitation in Florida. He is a long standing member of FWEA and has actively served the association in multiple roles with local chapters and statewide technical committees. Freddy has served as the West Coast Chapter Chair, is currently the Co-Chair for the Collection System Committee's Seminar Committee and is a member of the Envision Task Force for the WEF National Collection Systems Committee.

BRAD HAYES

Mr. Hayes is the Utility Director for the City of Taveras. As director, Brad implemented a system wide inspection and cleaning program and developed an Emergency Response Plan for the City's collection system. He has been an active member of FWEA and the New England Water Environment Association's Collection System Committees and is responsible for the FWEA's Operations Challenge competition.

WEA of Texas

At the 2017 Texas Water Conference was held at the Austin Convention Center April 10 - 13, 2017, awards were presented for both the 5S and the Sidney L. Allison Award.

Heather Cooke, Heather Harris, Rick Hidalgo, Jennifer Moore, and Janet Sims were inducted into the *Select Society of Sanitary Sludge Shovelers (5S)*. The 5S was founded by the Arizona Member Association in 1940 and induction is by selection and on the basis of merit. Within WEAT, induction is based on "Outstanding, meritorious service above and beyond the call of duty."



Sidney L. Allison Award winner Hugh Kelso with WEF President -Elect Jenny Hartfelder. Photo: WEAT

The *Sidney L. Allison Award* was presented to **Hugh Kelso** with RJN Group for his contributions to the Wastewater Collection System industry, specifically for his 40 year focus in the wastewater collection system condition assessment and rehabilitation to mitigate sanitary sewer overflows. Throughout his career, Hugh has worked to assist his clients in achieving compliance with the Clean Water Act as well as state and federal regulatory compliance. This award is given to a person or organization that has made significant contributions to the engineering, science, and/or operation and maintenance of wastewater collection and pumping stations.



Report Finds Closing the Investment Gap in Water Infrastructure Would Create Jobs

In March a new report was released that finds that closing the nation's gap in investment in water infrastructure would create 1.3 million jobs and generate \$220 billion in economic activity.

The analysis also found a severe economic cost to inaction. At a national level, a one-day disruption in water service can lead to a loss of \$43.5 billion in sales and \$22.5 billion in GDP. At the local level, industries most reliant on water would see sales drop by up to 75 percent due to a one-day disruption in service.

The report, "The Economic Benefits of Investing in Water Infrastructure" was commissioned by the [Value of Water Campaign](#) to better understand how investments in the nation's water infrastructure affects economic growth and employment. The [Water Environment Federation \(WEF\)](#) is a founding member of this national awareness effort that seeks to advance positive solutions to America's pressing water challenges.

To maintain reliable clean water services alone, the [American Society of Civil Engineers](#) estimates that the U.S. needs to invest an additional \$82 billion in water infrastructure per year over the next decade at all levels of government. Those capital needs are dispersed across the country, including the Midwest (23%), Northeast (20%), South (34%), and West (23%).

Despite this increased need, the report finds that the federal government's contribution to water infrastructure continues to decrease. Federal investment averages just nine percent in recent years, which is down from more than 60 percent 40 years ago.

The report release coincides with [World Water Day](#) and [Water Week](#) -- global and national efforts designed to bring attention to the value and importance of clean water, which is essential to the protection of public health, the environment, and a growing economy.

The analysis falls against a national backdrop of increasingly complex water challenges that are exacerbated by overstressed and antiquated drinking water, wastewater, and stormwater management systems as well as regulatory requirements that at times outpace the technological capabilities of the nation's water and wastewater facilities.

Read the full report [here](#).

Communicating the Value of Water

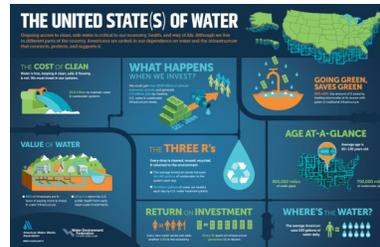
WEF has partnered with the American Water Works Association to develop a suite of [public outreach materials](#) that are available for our members free of charge. The materials help communicate the **value of water and wastewater service** and the need for infrastructure investment as well as establish a national messaging platform. The direct link is www.wef.org/resources/for-the-public/value-of-water/.

A messaging platform is an important foundational component to public outreach and awareness activities. The messages below are intended to help inform, engage, motivate and influence

target audiences about the value of clean, safe water and the importance of investing in the infrastructure that supports it.

Available for download on both the WEF and AWWA websites, the following materials are currently available:

- ◆ [Messaging Platform \(PDF\)](#)



- ◆ United State(s) of Water Infographics:

- ◆ [U.S. Overview - Spanish](#)
- ◆ [Northeast - Spanish](#)
- ◆ [South - Spanish](#)
- ◆ [Midwest - Spanish](#)
- ◆ [West - Spanish](#)

- ◆ Eau Canada Infographics:

- ◆ [English](#)
- ◆ [French](#)

- ◆ [Source document \(PDF\)](#)

Additional resources are available from the [Value of Water Campaign](#).



WE&RF Upcoming Requests for Proposals

2017 WE&RF UNSOLICITED RESEARCH PROGRAM

WE&RF will be offering funding for research projects under the Unsolicited Research Program that can be the catalyst for transforming our understanding of our water resources and our ability to protect and preserve them in a sustainable and cost effective manner and to minimize impact on public health and the environment. WE&RF will be seeking pioneering pre-proposals that will significantly advance knowledge and understanding and that could fundamentally transform how WE&RF subscribers perform their work. Pre-proposals would be accepted for research on wastewater, recycled water, stormwater, and other sources of water addressing water quality, nutrients, energy, reuse, and biosolids. WE&RF will award three to four projects. Pre-proposals are due July 13, 2017. For more details visit www.werf.org.

Framework and Tools for Quantifying Green Infrastructure Co-Benefits and Linking with Triple Bottom Line Analysis

WE&RF will be soliciting competitive proposals to quantify the multiple benefits of implementing green infrastructure (GI) programs and link the quantified benefits with triple bottom line analysis. This research calls for innovative thinking and adaption of proven methodologies, nationally and/or internationally, to develop a rigorous quantitative framework and methodology for evaluating co-benefits of green infrastructure at utility/ municipality level. Project budget is estimated at \$150,000 (with a requirement for at least 25% matching funds from the proposer). Approximate release of the official RFP notification will go out in early May. In the meantime, visit www.werf.org for more details.

collection systems 2017

May 21-24, 2017 | Omaha, Nebraska



Registration is Open—CS 2017 in Omaha, NE! May 21-24, 2017 in Omaha, Nebraska

Join us for the 2017 Collection Systems Specialty Conference in Omaha, Nebraska on **May 21-24, 2017**. Appropriately, themed “Collections in the Heartland – Collecting Today for a Cleaner Tomorrow”, this year’s program includes a great collection of technical sessions, mobile sessions, workshops, and tours!

The Nebraska Water Environment Association (NWEA) would like to invite you to Omaha’s Lauritzen Gardens (www.lauritzengardens.org), site of a recently completed sewer separation project ([click here](#), for more information on the project) through the botanical gardens. The social event will provide an avenue for networking as well as food, beverages, music entertainment, and games/activities. The current plans include an open bar, buffet dinner, and tram rides through the gardens. Two trollies will be running from the Hilton Hotel (Conference Hotel) all evening for safe transportation. Advance registration is essential, and attendance may be limited to the first 300 people. To learn more and to register, [click here](#).

Reason’s not to miss Collection Systems 2017

We want to welcome you to the great City of Omaha!!! At “Collections in the Heartland”, you will have the chance to explore the Missouri Riverfront, the Old Market, and walk along the Lewis and Clark Trail. The City of Omaha offers a number of activities for families, business professionals, and everyone in between. There are many things to do in Omaha from the world-class Henry Doorly Zoo, Durham Western Heritage Museum, Lewis &

Clark Landing and Museum, and other great attractions. Visit the [Omaha visitors page](#) for more information.

The Conference has scheduled two pre-conference workshops addressing Performance Management for Collection System O&M Programs and Program Management Concepts for I/I Control.

The Opening General Session will include Omaha’s Mayor Jean Stothert; Public Works Director Robert Stubbe will provide an overview of Omaha’s history, the Back to the River Initiative and Development along the Riverfront, and the CSO Program. Peter Brunette, with the Henry Doorly Zoo and Aquarium, will provide an overview of their global Amphibian Conservation Initiative.

The technical program is stacked with informative topics from the industry’s leading experts. It’s a technical program you won’t want to miss.

The scheduled tours are filling up fast and will feature a selection portion of the over \$400 million in CSO Improvements to the collection system. The facilities tour includes the 180 MGD Missouri River WWTP CSO headworks, 45 MGD Leavenworth Lift Station, and 17 MGD Industrial Lift Station. The second tour will be focused on the newest Green Infrastructure Projects in Omaha, including Spring Lake Park (88 acre-foot detention lake/bioretentation/constructed wetlands), Adams Park (14 acre wetlands and detention area), Elmwood Park Diversion, and other select projects.

The Collection Systems Committee is looking forward to welcoming you to the City of Omaha and “Collections in the Heartland”. Register for Collections 2017 Today!

Joseph Strauch WEF CSC SC Chair & Scott Aurit LPG Chair

For more information about the upcoming Collection Systems 2017 conference and to register, [click here](#).

Collection Systems 2017 At a Glance

Sunday, May 21

8:30 am – 5:00 pm	Workshop A— <i>Performance Management for Collection System O&M Programs</i>
8:30 am – 5:00 pm	Workshop B— <i>Managing Uncertainty: Program Management Concepts for Inflow/Infiltration Control Programs</i>
6:00 pm – 10:00 pm	Networking Reception—Sponsored by NWEA

Monday, May 22

8:30 am – 10:00 am	Opening General Session
10:00 am – 6:30 pm	Exhibition Open
10:45 am – 11:50 am	Mobile Session (on exhibit floor)
10:45 am—11:45 am	Operation & Maintenance
1:30 pm – 4:45 pm	Invited Local Session - Missouri and Kansas Case Studies
1:30 pm – 4:45 pm	Sanitary Sewer Overflows
1:30 pm – 4:45 pm	Infiltration and Inflow

Tuesday, May 23

8:30 am – 11:45 am	Trenchless
8:30 am – 11:45 am	Pump Stations & Forcemain
8:30 am – 11:45 am	Modeling
8:30 am – 12:30 pm	Tour A—Pump Stations and CSO Treatment
10:00 am – 3:45 pm	Exhibition Open
1:30 pm – 3:00 pm	Planning
1:30 pm – 3:00 pm	Intelligent Networks
1:30 pm – 3:00 pm	Design/Construction
3:45 pm – 4:45 pm	CS Committee Meeting

Wednesday, May 24

8:30 am – 11:45 am	Combined Sewer Overflows
8:30 am – 11:45 am	Asset Management
8:30 am – 11:45 am	Invited Local Session—Nebraska and Iowa Case Studies
12:00 am – 4:30 pm	Tour B—Stormwater and Green Infrastructure

SAVE THE DATE—Upcoming CSC Webcast on *Planning for I/I Reduction and Strategies to Get the Job Done*

Be sure to register for the upcoming webcast on *Planning for I/I Reduction and Strategies to Get the Job Done* on **June 7, 2017** from **1:00-3:00 PMEST**.

The webcast will feature an overall primer on I/I program drivers and approaches, followed by 3-4 presentations on topics and case studies.

Speakers include: **Paul Calamita**, Esq., Chairman, Aqualaw; **Scott Belz**, Program Manager, AECOM; **Marcus Bush**, P.E., Metropolitan Council of the Twin Cities; **Andy Lukas** (Moderator), Vice President, Brown and Caldwell, Milwaukee, WI.

For more information and to register, [click here](#).

Infrastructure Week Celebrate National Infrastructure Week at GWC 2017

From **May 15-19, 2017**, leaders and citizens across the country will highlight the state of our nation's infrastructure – **clean water systems**, roads, bridges, rail, ports, airports, the energy grid, and more – and encourage policymakers to invest in the projects, technologies, and policies that are essential to keeping the U.S. competitive, prosperous, and safe.

The [Water Environment Federation \(WEF\)](#) will join the [Value of Water Campaign](#) and more than 200 affiliate organizations, local officials, and individuals across the country to host events; conduct tours of new and innovative projects; talk about infrastructure in national, local and social media; and show policymakers at all levels of government the breadth and diversity of support for long-term, sustainable infrastructure funding and finance.

On **May 15-16**, WEF will host the [Great Water Cities Summit 2017: Invest4Resilience](#) at the New York Marriott Marquis in Manhattan. As the next installment of WEF's successful global dialogue series, this event will focus on the importance of investing in community assets¾ physical, financial, and human resources¾as key for sustainable growth and a resilient future.

For more information about Infrastructure Week and to access the 2017 Infrastructure Week Toolkit, [click here](#). Don't forget to share your activities with the #TimetoBuild.

Nominations Open for Utility of the Future Today Recognition Program



The nomination period is open for the *Utility of the Future Today* Recognition Program, which returns for a second year to bring attention to water resource recovery facilities implementing the innovative Utility of the Future business model.

The program seeks to promote and recognize utilities that are building on a foundation of excellent management and help small, medium, and large utilities transform their operations over time. The Utility of the Future activity areas focus on the key building blocks of this transformation:

- ◆ recovery and new uses of a full range of resources;
- ◆ engagement as a leader in the full water cycle and broader social, economic, and environmental sustainability of the community;
- ◆ transformation of the internal utility culture in support of these innovations; and
- ◆ engagement in the community and formation of partnerships necessary for success when operating outside of the traditional span of control of the utility.

Public and private water resource recovery facilities of all sizes are encouraged to apply by **5 p.m. EDT, June 9, 2017**. Applicants must have no major permit violations in the past year prior to the submission date of their applications. Honorees will be notified by July 28 and formally recognized during an awards ceremony at [WEFTEC 2017](#)—WEF's 90th annual technical exhibition and conference—this October in Chicago.

Two informative webinars are scheduled for utilities wishing to learn more about the program and the application process. The webinars will provide an opportunity for participants to ask questions with Recognition Program partners. They are scheduled from 1:00 – 2:00 p.m. on [April 12](#) and [May 3](#).

To learn more, visit <http://www.wef.org/UtilityoftheFuture> or contact UtilityRecognition@wef.org.



Save the Date—Housing and Registration open for WEFTEC 2017

Registration and housing is now open for [WEFTEC 2017](#), the Water Environment Federation's (WEF) 90th annual technical exhibition and conference. Scheduled for September 30-October 4 at McCormick Place, WEF is celebrating its 90th event in Chicago, the site of the first annual meeting that would evolve into today's WEFTEC -- the world's largest annual water quality event.

Representing all facets of water management, this year's conference (September 30-October 4) and award-winning exhibition (October 2-4) includes more than 100 technical sessions, 26 workshops, local facility tours, numerous events, and 1,000+ water companies who will display the latest developments, research, solutions, and cutting-edge technologies.

Water sector professionals, industry experts, and innovative companies from around the world will gather in one place for the strongest educational programming and display of water technology available today. [Register now](#) and join thousands of your colleagues this fall at WEFTEC 2017--The Water Quality Event.

WEF News (continued)

Call for Pre-Proposals—WEFTEC 2018

Have a great idea for a day or half day topic that involves interactive and engaging or hands-on learning? Consider submitting a proposal for a WEFTEC Workshop! The process for WEFTEC 18 Workshops can begin! Pre-proposals are due to me and the relevant Workshop Review Subcommittee member by **July 17, 2017**.

WEFTEC 2018 will take place September 29 – October 3 in New Orleans, Louisiana. To better understand the entire workshop development and selection process, please take a look at the [Workshop Process Flowchart](#). Next, start filling out your [pre-proposal form](#), which is due July 17 to Mary Ann Linder at mlinder@wef.org and the relevant Technical Committee.

For more information on the submission process, [click here](#).

WEF Committee Leadership Council (CLC) Seeks Nominations

The WEF Committee Leadership Council (CLC) is seeking nominations for four Communities of Practice director positions; the Director position is for a period of two years beginning after WEFTEC this year. If you have leadership expertise, strategic thinking and planning skills, passion for advancing WEF's vision, and an understanding of WEF committees, submit your [application](#) by **July 31, 2017**.

If you have questions contact Theresa Mixon at tmixon@wef.org.

Did You Know?

Need wall art? Decorate with Sewer History!

Over the past twenty years, Jon Schladweiler, the Historian of the AZ Water Association, has researched and collected materials related to the history of sewage conveyance systems. Many of these have been displayed in a traveling exhibit entitled "The Sewer History Exhibit".

In addition to the Sewer History Exhibit, Jon has also developed a series of Sewer History Posters! Check out some of the designs below! And [click here](#) for more information on the sewer history exhibit and to purchase a poster for your office.

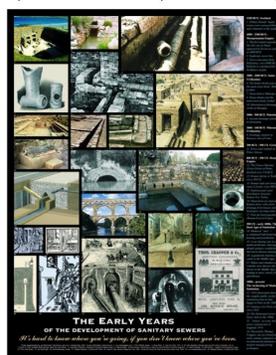
Sewer Maintenance Tools of 1899



The Cultural Side of Sewers



The Early Years of the Development of Sanitary Sewers



Cloacina, Goddess of the Sewers



And remember to check out the Sewer History Exhibit on the **exhibit floor** at **Collection Systems Specialty Conference 2017** in Omaha, Nebraska!

This issue is brought to you by....

WEF CSC MA Outreach E-Newsletter Team

- ◆ Jimmy Stewart, Member Services Chair, *Alabama WEA, Chesapeake WEA, GAWP*
- ◆ Chip Smith, Member Services Vice Chair, *North Carolina AWWA-WEA, South Carolina WEA, GAWP*
- ◆ Stuart Bowns, *Kentucky-Tennessee WEA*
- ◆ David Brown, *North Carolina AWWA-WEA, Virginia WEA*
- ◆ Daniel Coleman, *Chesapeake WEA, Virginia WEA*
- ◆ Ted DeBoda, *Chesapeake WEA*
- ◆ Jerome Iltis, *WEA of Texas*

WEF CSC Leadership and Support

- ◆ Kara Keleher, *New England WEA*
- ◆ Roger Lehman, *Pennsylvania WEA*
- ◆ Christine Radke, *Chesapeake WEA, Virginia WEA*
- ◆ Michael Quamme, *North Dakota WEA*
- ◆ Heather Veal, *GAWP*
- ◆ Luis Leon, Chair, *California WEA*
- ◆ Dianne Sumego, Chair-Elect, *Ohio WEA*
- ◆ Kevin Waldron, Vice Chair, *Kansas WEA, Missouri WEA*
- ◆ Rudy Fernandez, Past Chair, *Florida WEA*
- ◆ Bri Nakamura, *WEF Staff Liaison*

Let us highlight what your MA is doing in the realm of collection systems. Share any successes, milestones, events, initiatives, innovations, fun ideas, etc. with all in our collection systems community by emailing a short summary to Bri Nakamura at

bnakamura@wef.org