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Keep reading and keep sharing!

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

Member Association News

Alabama WEA ([AWEA](#))



On October 8, 2019, the Alabama WEA Collection System Committee

(CSC) hosted a training workshop in Anniston, AL. The workshop was attended by over 40 wastewater professionals – including consulting engineers, operators and contractors. The workshop focused on narrowing the focus of your rehabilitation efforts through effective flow monitoring efforts, then we moved into trenchless rehabilitation technologies. Experts on chemical grouting, pipe bursting and CIPP technologies were generous enough to donate their time to give an overview of their respective areas of expertise.

AWEA CSC intends to host their next workshop in Athens, AL on December 3, 2019. In February of 2020, we are scheduled to host a workshop solely focused on safety in the Collection System.



Adapt, and Alleviate. Each presenter gave a talk about how their firm or utility were accomplishing this.

- ◆ Mike Harmer and Andres Villarraga of WSSC Water informed how WSSC Water was accessing, adapting, and alleviating the now normal effects.
- ◆ Charles Poskas of RJN Group offered NOAA evidence of increased wet days, high intensity storms, and droughts.
- ◆ Jay Boyd of ADS Environmental described how right technology selection is needed in micro-metering.
- ◆ Mishu Joshi of City of Baltimore explained how the city deals with SSO Structure release and reporting.
- ◆ Prabhu Chandrasekeran of Stantec showed how the universal intelligent platform can meet the now normal.
- ◆ Bob Bell of Ramboll, Pubudu Ranasinghe and Getachew Melsew of DC Water presented a DC Water Design-Build Project to alleviate a failing large diameter horseshoe sewer.
- ◆ Jemil Yesuf of City of Baltimore reported the city is using Continuous Simulation over Design Storms in the modeling effort to adjust for the frequent cloud burst.
- ◆ Tom Sprehe of KCI Technologies reminded us that storm systems are flushing out debris from increased storms.

A big thank you to all of the presenters and attendees.

[cwea](#) Chesapeake WEA ([CWEA](#))



On November 21, 2019, the CWEA Collection Systems Committee hosted their fall seminar at Linthicum Heights, MD. The seminar, titled "The New Normal" was well attended and included presentations on:

- ◆ Chris Korpman of Baltimore County introduced Carla Reid with reference to the Baltimore heavy intensity storm he witnessed, asking himself "Is this the new Norm?" Carla Reid of WSSC Water re-phased the New Normal to the Now Normal. She pointed out the now normal is heavy rain, flash drought effecting sewers and hot summers, polar vortices effecting water distributions and utilities need to Assess,



CWP of Kentucky-Tennessee ([CWP-KT](#))

The Collection Systems Committee of the Clean Water Professionals of Kentucky and Tennessee hosted a collections workshop on November 12-13, 2019, in Bowling Green, KY. During the workshop, approximately 100 professionals listened to a dozen technical presentations, covering topics such as "Communicating Overflow Enforcement Actions to the Public", "Calculating RDII from Treatment Plant Data", and "What to

MA News (continued)

Expect During an EPA Enforcement Inspection". The workshop also included regulatory updates from representatives from the Kentucky Division of Water and the Tennessee Department of Environment and Conservation. Additionally, during two panel discussions, panelists fielded questions about how their utilities handled regulatory enforcement actions and provided lessons learned regarding their sewer rehabilitation programs.



Green Mountain
Water Environment
Association

Green Mountain Water Environment Association (GMWEA)

On October 30, 2019 the GMWEA hosted their Fall Meeting in South Burlington, VT. With over 400 attendees and nearly 100 exhibitors, it was a successful fall event with a positive vibe and lots of passionate water/wastewater professionals. Concurrent sessions included sessions on:

- ♦ WET Testing
- ♦ Fire Hydrant Basics and Their Relationship with ISO
- ♦ Green and Gray Climate Change Adaptation and Resilient Stormwater Design
- ♦ Uniform Water and Sewer Disconnects
- ♦ Affordable SCADA for Small Systems
- ♦ Continuously Monitor to Reduce Non-Revenue Water

A big thank you to the fall meeting organizing and be sure to save the date for the Spring & Annual Meeting on **May 21, 2020** in Killington, VT.



NEW ENGLAND WATER ENVIRONMENT ASSOCIATION
NEWEA
WORKING FOR WATER QUALITY

New England WEA (NEWEA)

New England Water Environment Association (NEWEA) Annual

Conference is scheduled for January 26 through 29, 2020. The Collection Systems Committee has the following sessions scheduled:

Collection System 1: Modeling / I/I

- O&M Optimization via a Living Hydraulic Model
- Physical Hydraulic Modeling a Tool for Pump System Design and Optimization
- All Over Over-Unders! Addressing I/I, Water Quality, and CSO Abatement with an Over/Under Manhole Program
- Strategic Meter Migration Leads to Accelerated Solutions in Dover, NH

Collection System 2: Pumping

- Alone on an Island – Designing a Pump Station with Resiliency in Mind and Facing the Storm of the Century During Construction
- When There is No Where to Go But Up
- Dealing with Both Peaks and Valleys – Pump Station Upgrade Design
- Taking a Global Look – City-wide Pump Station Assessment for Portsmouth, NH

Collection System 3: CMOM/Asset Management

- Ten Years of CMOMs – Lessons Learned and Future Plans
- Holistic Approach to Collection System Asset Management in Barnstable, MA
- Beyond the Report – Integrating a Town-wide SSES Study with a District LTCP and CMOM Program
- CMOM – the Scary Sounding Acronym – Why Do I Need It? How Do I Implement It? And Tools, Tricks and Guidance

to Make It Work for You

Collection System 4: Various Topics

- A Tale of Two Cities – How Two Massachusetts I/I Control Plans Compare: City of Leominster, MA and City of Medford, MA
- Should You Dig It? Trenchless Technology Saves Time & Money in Quincy, MA
- One Way to Get Out of Your NPDES Permit – Regionalize and Decommission Your Wastewater Treatment Plant
- Engineering Evaluation of Extension of Coventry Route 44 Sewer Service Area to the Bolton Lakes Regional WPCA Pressure Sewerage System

In addition, NEWEA's Collection System Committee Annual Meeting is scheduled for Tuesday, January 28, 2020 that includes the appointment of our new leadership team



New York WEA (NYWEA)

This fall, the NYWEA Collection Systems Committee helped assemble the [latest issue of Clear Waters](#), NYWEA's quarterly publication. Magazine highlights include:

- ♦ *Focus on Safety: The Perils of Stormy Weather* by Eileen Reynolds
- ♦ *Barnes Avenue Sanitary Sewer Overflow Correction* by Steven Hearl
- ♦ *"If It Ain't Broke Don't Fix It" Collection System Cleaning* by Jay Boyd
- ♦ *Automating Collection System Data Analyses to Create Planning-Level Rehabilitation Recommendations* by John LaGorga and Tyler Pitts
- ♦ *A Public Solution to Private Property Infiltration and Inflow* by Beth Pflazer and Angela Horton
- ♦ *Wet-Weather Infrastructure: Smart Analysis and TOTEX Planning Equal Savings and Resilience* by Nick Anderson and Melissa Carter
- ♦ *Buffalo Sewer Authority Rain Check 2.0, Citywide Green Infrastructure* by David Barnes, Kevin Meindl and Oluwole McFoy
- ♦ *Achieving 21st Century Results with Legacy Infrastructure* by Kristina Marco and Maria Krug Comuniello
- ♦ *More Than Just Regulators and Pump Stations: Collections Operations at the Front Line of CSOs and Climate Resiliency* by Frank Loncar
- ♦ *Succession Planning: A Case Study in Watertown, New York* by R. Mark Crandall and Angel French

Welcome New CSC Members!

We would like to recognize the newest members to the Collection Systems Committee (CSC)! If you are interested in joining or learning more about the CSC, [click here](#).

- ♦ Amanda Bybee, *Missouri WEA*
- ♦ Joseph Siwek, *Michigan WEA*
- ♦ Kaushal Trivedi, *Nebraska WEA*
- ♦ James Brescol, *Ohio WEA*
- ♦ Andres Villarraga, *Chesapeake WEA*
- ♦ Frank Nabozny, *Chesapeake WEA*
- ♦ Robert Radspinner, *Virginia WEA*
- ♦ Juan Granja, *Ohio WEA*
- ♦ Kevin Enfinger, *Alabama WEA*
- ♦ Haiyi Lu, *Georgia AWP*
- ♦ Logan Hicks, *Hawaii WEA*



SAVE THE DATE—Collection Systems 2020
June 2-5, 2020 in El Paso, TX

Join us in El Paso, Texas, for a robust program highlighting continued advances in the wastewater collection systems sector. Take the chance to participate in an interactive experience with equipment, technology, and service vendors that continue to improve efforts in providing high quality collection systems infrastructure throughout the country.

This year, we are pleased to be offering:

- ◆ 2 pre-conference workshops held on Tuesday, June 2
- ◆ 14 technical sessions held Wednesday - Friday, June 3-5
- ◆ 2 facility tours, held on Thursday, June 4 and Friday, June 5

Presentations will cover regional topics of interest, as well as lessons learned from the entire country by national experts in the field. Conference participants should expect to learn about state-of-the-art infrastructure planning, investigation and rehabilitation techniques.

So come see the latest innovations and equipment in the Exhibit Hall, network with old friends, and meet new contacts in El Paso.

For more information about the upcoming conference, [click here](#).

Exhibitor Call for Mobile Session Abstracts—Due January 28!

Want a chance to highlight your new technology at Collection Systems 2020? The call for mobile session presentations is now open to exhibitors till **January 28, 2020**. For more information and to submit your presentation, [click here](#).

Save the Date—Mid-Year 2020 in San Antonio, TX!

The 2020 Midyear meeting will be on **February 5-7, 2020** at the Hyatt Regency Riverwalk in San Antonio, TX

The Collection Systems Committee meeting will be on Thursday, **February 6, 2018** with the CSC subcommittee meetings occurring in the morning and the general CSC meeting in the afternoon.

This year's CSC Mid-Year meeting will consist of subcommittee updates from the Government Affairs Committee, Specialty Conference Subcommittee, and the Member Services Subcommittee.

Registration is still open, for more information about the event, [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.



Georgia Association of Water Professionals

Georgia Association of Water Professionals (GAWP)

At GAWP Golden Manhole Society's annual breakfast, on November 19, 2019 in Athens, GA, they inducted three new members.

- ◆ Sharon Endress, ADS Environmental Services
- ◆ Hugh Ogle, Athens-Clarke County Public Utilities
- ◆ Mikita Browning, City of Atlanta



GAWP's newest Golden Manhole Inductees (Mikita, Sharon, and Hugh) (Photo: G. Smith, GAWP)



Nebraska WEA (NBWEA)

At Nebraska WEA's annual Fall Conference in Kearney, NE the Collection Systems Committee inducted their first Golden Manhole Society class.

This year's recipients included:

- ◆ Scott Aurit, HDR
- ◆ Jim Theiler, City of Omaha
- ◆ Lynn Garton, City of Scottsbluff
- ◆ Jerry Halsey, City of Norfolk
- ◆ Lyle Christensen, Retired



NBWEA & WEF CSC Member Scott Aurit receives his Golden Manhole Award from NBWEA President Dave Sykora. (Photo: V. Genco, NBWEA)

NASSCO

NASSCO Announces Formation of Technical Advisory Council

With the transition of NASSCO's current Technical Director, Lynn Osborn, into his new role as President of UESI (ASCE's Utility Engineering and Surveying Institute), NASSCO has formed a Technical Advisory Council which was announced at NASSCO's semi-annual membership meeting on September 23, 2019 in Chicago, Illinois during WEFTEC. The Council is comprised of five industry leaders, all representing different backgrounds and areas of expertise:

- ◆ Christopher Garrett, P.E., VP, Brown & Caldwell, Virginia Beach
- ◆ Chris Macey, P.E., America's Practice Leader for Condition Assessment and Rehabilitation, AECOM Canada
- ◆ Lynn Osborn, P.E. Owner, LEO Consulting, LLC
- ◆ Kaleel Rahaim, pursuing MS in Civil Engineering
- ◆ Jerry Weimer, Owner, Jerry Weimer Consulting

The collective experience of the five Council members is beyond

impressive. Combined, NASSCO's Technical Advisory Council represents:

200 years of experience in the assessment, maintenance and rehabilitation of underground infrastructure

- ◆ 30+ years of experience in PACP® and ITCP® training
- ◆ 2,000+ miles of condition assessment performed
- ◆ 20,000+ miles of pipe rehabilitation, design and construction
- ◆ 2,000+ manholes rehabilitated, designed and constructed
- ◆ 20,000+ vertical linear feet of MACP® manhole inspections

"Above all else," continued Joy, "this Council is committed to remaining objective, representing all trenchless solutions, staying current on new and emerging technologies, and reaching out to NASSCO members and other industry leaders who may have more detailed knowledge in specific technical areas—all designed to achieve NASSCO's goal to become the industry source for education, technical resources and advocacy."

To learn more visit nassco.org, or to contact NASSCO's Technical Advisory Council directly email TAC@nassco.org.

Did You Know?

Smithsonian Magazine highlights "Brand New" Sewer Systems



A man mortaring a sewer wall in 1880s Boston. (Photo: Boston Public Library)

Below our city streets lies an ad-hoc world of subterranean tunnels and pipes. The oldest are brick and concrete sewers that once carried waste streams in one direction, rainfall overflow in another. Today, these waterways must contend with newer sewers, subway tunnels, power lines, and fiber-optic cables. But in the 19th century, these labyrinths were the only man-made things that existed below ground.

Archival photos reproduced in Stephen Halliday's [An Underground Guide to Sewers](#) give us a rare view of these sewers of the past, as they looked to the people who engineered, built, and maintained them.

Most of these photographs—dating from the 1880s to the 1940s—show new construction; the before without the after. Pristine iron bars free of rust, walls too freshly mortared to settle and crack, cement yet unstained by water and waste. Older photos show brick-lined culverts, each brick having been laid by hand.

These images are evocative, sometimes beautiful, appearing like

black-and-white outtakes from a forgotten film noir. Storm drains appear as volumes of space, empty by design most of the time. Circular and oval tunnels lead from crawlspaces to caverns beneath reinforcing arches. Concrete corridors and junctions, absent any signage, make one wonder what would have happened if Robert Frost's traveler had gone underground.

But there's more to these spaces than their cosmetic wonder. These are, after all, not only sites for the flow of waste; they were also places of work. The men photographed in Victorian coats or Depression-era caps and vests do more than provide scale: they remind us that every sewer tunnel started as a noisy construction site. Imagine the human and mechanical din as rocks were carted or bulldozed away, dozens of workers wrangling stone and earth to fit engineers' specifications.

Sewers were—and continue to be—the great enabler. As industrialization drew people to the city, those people, in turn, made new demands on water and waste systems. That's why most of the projects pictured here were at capacity soon after completion. Perhaps that knowledge also imbues these photos with a sense of optimism; designed to solve problems, the sewers continued to work, unobtrusively, from their hiding place, to meet ever larger demands.

With this collection, we get to appreciate today what most people didn't get to see then. It's a privileged look at the triumphs of industrial-era infrastructure, but it's also only one chapter of the narrative. What is left to the imagination is how these underground spaces have since been transformed: the aging materials replaced, the time that's elapsed, overwriting the glory of a feat of engineering.

[Click here](#) to check out some of these historic sewer photos!

This issue is brought to you by...

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