



2019
Water Reuse Seminar
November 7, 2019

The Joint CWEA and CSAWWA
Water Reuse Committee presents:

***Water Reuse in the Chesapeake Bay Region
is Here and Now***

Join us as CWEA and CSAWWA host the 2019 Water Reuse Seminar. Enjoy technical presentations on the latest **technical research, regional water reuse projects, master planning, regulations, and other relevant issues in water reuse**. Come learn, discuss, and share what others are doing to study and capitalize on the emerging opportunities and advantages of Water Reuse.

The seminar will kick-off at 8:30 a.m. with a short introduction by the Committee Chairs. The morning session will include a 30-minute break for interaction with the vendors. Lunch is scheduled from 12:00 to 1:00 p.m.

If you have any questions regarding this seminar contact Zohreh Movahed at zmovahed@watek.com or call (240) 780-7676 or Kelly Landry at klandry@hazenandsawyer.com or call (703) 267-2747.

If your firm would like to have a display at this seminar, contact Lori Barroga at lbarroga@riordanmat.com or call 301-858-0609.

4.5 PDH credits, 4.5 contact hours (pending approval)

Registration: www.chesapeakewea.org

Registration available onsite by check or credit card

8:00 a.m. – 3:45 p.m.

Elks Lodge
2 Pythian Drive
Edgewater, Maryland 21037
Elks622.com
(410) 573-0201

**For more information
contact:**

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(240) 780-7676

Kelly Landry, PhD
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(703) 267-2747

Rates:

Registration

Member

\$90

Non-Member

\$110

Student

\$45

Fall 2019

Water Reuse Seminar

Time	Session No.	Speaker	Topic	Description
8:00 – 8:30 REGISTRATION				
MORNING SESSION				
8:30 – 8:45	Welcome	Zohreh Movahed, Ph.D., P.E. CWEA Chair of the Joint Water Reuse Committee		Kelly A. Landry, PhD CSAWWA Chair of the Joint Water Reuse Committee
8:45 – 9:15	Keynote	Federal Advocacy for Water Reuse Greg Fogel , Policy Director, WaterReuse Association		
9:15 – 10:30	Panel Discussion	<ul style="list-style-type: none"> • Micah Vieux, Loudoun Water • Salil Kharkar, P.E., DC Water • Chris Phipps, P.E. Anne Arundel County • Jeff Glass, City of Westminster <p><i>This panel discussion was developed with assistance from HDR based on the “Potable Reuse Landscape in 2050” panel discussion at the 2019 WaterReuse Symposium.</i></p>		
10:30 – 11:00 MID-MORNING BREAK				
11:00 – 11:45	1	Steve Via American Water Works Association	<i>Integrated Water Resource Management and the Reuse Action Plan</i>	This presentation will provide an overview of the EPA’s Water Reuse Action Plan to further integrated water resource management
11:45 – 12:45 LUNCH				
AFTERNOON SESSION				
12:45 – 1:30	2	Kevin Hardy National Water Research Institute	<i>The Value of Independent Expert Panels in Planning Potable Reuse Projects</i>	Many communities have included water reuse to further integrate their local water resource management strategy. Where risks imperil drinking water supplies, some communities are considering or have already invested in large scale potable reuse systems. This trend raises a variety of public health and regulatory issues. This talk will present case studies to explore the drivers for potable reuse, the types of investments communities have made in response to these drivers, and various approaches to developing and implementing regulations that protect public health.
1:30 – 2:15	3	Chris Owen Hazen and Sawyer	<i>The Florida Potable Reuse Commission: Making Water in the Sunshine State</i>	The Potable Reuse Commission was convened to develop a regulatory framework to safely implement potable reuse in Florida. The Commission, comprised of representatives from utilities, public health sector, agriculture, business, and environmental groups, will provide lawmakers, policymakers and regulators with sound strategies to overcome obstacles and address challenges to potable reuse. The Potable Reuse Commission is supported by the Florida Department of Environmental Protection and the Majority Leader of the Florida House of Representatives.
2:15 – 3:00	4	Christina Alito, PhD, PE HDR	<i>Assessing Per- and Poly-Fluoroalkyl Substances (PFAS) as Emerging One Water Contaminants</i>	The objectives of this presentation are to provide an assessment of current state of PFAS research in water reuse systems, the influence of PFAS on water reuse, and review the removal methods for remediating PFAS contamination. Research is ongoing to determine the most efficient treatment methods for removal of PFAS, but initial studies have shown that advanced treatment techniques, such as activated carbon filtration, through granular activated carbon or powdered activated carbon, can remove up to 90% of PFOS and PFOA.
3:00 – 3:45	5	Germano Salazar-Benites Hampton Roads Sanitation District	<i>HRSD’s Sustainable Water Initiative for Tomorrow (SWIFT), a “One Water” Approach to addressing Multiple Water Challenges</i>	In May 2018, HRSD opened the SWIFT Research Center and brought on-line a 1 MGD ozone and carbon-based advanced treatment train, meeting primary drinking water quality standards and aquifer compatibility requirements. SWIFT Water augments the Potomac Aquifer, reducing nutrient discharge into the Chesapeake Bay, curtailing land subsidence, and mitigating groundwater shortages through one encompassing project. HRSD is now taking the next steps towards implementing full scale SWIFT treatment facilities at five treatment plants in the next decade.