AWWA ACE21 - All Virtual

Session Titles, Descriptions, Learning Objective, Speaker Biographies

Virtual		Session Length/			Session Poll Questions - to be administered				
Session #	Session Title	CEUs applied for	Session Description	Session Learning Objectives	every 15 minutes!	Speakers - Name and Company	Speaker Bio 1	Speaker Bio 2	Speaker Bio 3
							Fadel is a consultant Engineer, lecturer at the civil	Glenn Reynolds has worked in 14 countries over three	
							engineering department of Misr higher institute for	decades designing and operating water systems treating	
							engineering and technology, and managing director of Urban		
			Smaller utilities can't always afford to do what the big guys can but the	Understand the potential pathogen growth in existing PVC pipe			Studies & Design Center (consultant office) in Egypt. He	groundwater supplies. His specialities include: pumps,	
			problems are much the same. Aging infrastructure requires all systems	2. Identify ways to protect or modifify PVC piping systems to	 Does your distribution system use plastic pipe? 		holds a Ph.D. in surface water treatment by the fabric	desalination, distribution systems, small water filtration	
			to know the ins and outs of pipe replacement for their systems. This	reduce hazards in distribution systems	2. Is it common for distribution systems to experience	Hatem Fadel, MISR Higher Institute For	capillary action and MSc in iron and manganese removal by	plant plant design and wells. Glenn has a degree in Applied	
	Cost-Effective Pipe Retrofits for	1 hour & 15 min	session takes a look at pipe contamination in older distribution systems	3. Learn how HDPE can be a cost-effective retrofit for an aging	biogrowth of viable bacteria?	Engineering and Technology	using slow sand filtration. He has 15 years' experience in	Physics and is a trainer and educator with more than 3,000	
VS1_10	Smaller Systems	(0.1 CEU)	and ideas for cost-effective pipe retrofit solutions.	system	3. How old are the oldest pipes in your network?	Glenn Reynolds, Water Solutions Inc	potable water, wastewater collection, and treatment. His	attendees. He is a California certified operator, cross	n/a
			The majority of US water systems are small, serving populations of 10,000					Darcy Burke is the President and Chief Executive Officer of	Glenn Barnes joined RCAP in 2020 to help communities build
			or fewer. Can technology such as cloud-based systems and platforms					Watermark Associates, a comprehensive business consulting	financial and managerial capacity. Since 2006, Glenn has
			lead to more efficient utility management? Is there a better mousetrap					firm. She also serves as Vice President of Elsinore Valley	provided workshops, webinars, and technical assistance to
			for small system management tasks such as billing and community	Identify ways to leverage platforms, software, and systems for				Municipal Water District. Prior to leading Watermark, she	water systems on a range of finance topics and has provided
			relations? Our experts say yes! Learn how cloud-based systems,	more productive utility management.	Do stakeholders understand the value of services a			was the Director of Public Affairs for the Municipal Water	subject matter expertise to several leading water
			automated reporting and remote data collection and proactive	Create ways for effective customer outreach and engaging	utility provides?	Mauritz Botha, Xio, Inc		District of Orange County (MWDOC). Ms. Burke received her	organizations. Glenn's work has focused on the needs of
	Managing Smaller Systems Like a		community outreach can reduce the the burdens on small system	stakeholders.	3. Is it important to perform customer billng on a	Darcy Burke, Watermark Associates		Bachelors Degree from Mount St. Mary's University, Los	small town and Tribal water systems as well as non-
VS2_17	PRO!	1 hour (0.1 CEU)	management.	Learn how to more effectively handle customer billing	regular basis?	Glenn Barnes, RCAP	missing Botha	Angeles, in International Economics & Marketing as well as	community water systems across the country. Glenn also
							Will is a licensed professional engineer in water resources in		
			The best method of emergency management is to eliminate the need for	Understand the benefits of a valve maintenance program			the State of Massachusetts. He graduated from the	Utilities and Consulting Companies where he has performed	
			it. Proactive O&M programs, such as valve maintenance programs, help	Distinguish components of a successful valve maintenance			University of Massachusetts College of Engineering with a	a variety of tasks related to the development and	
			utilities prioritize needs, plan rehab activities and avoid emergency	program.	Should flushing programs include additional data		B.S. in Civil and Environmental Engineering. For over 6 years,	management of water, waste water and storm water	
			situations. The importance of an O&M program for vertical assets is	Know the importance of level of service goals and the role of	collection to update existing databases?		Will has been designing and administering water distribution		
			underscored in this session. Industry and utility professionals show how	valve programs in meeting these goals	2. Is level of service important to a utility?		related construction, assessment and maintenance projects	Matter Expert. His main areas of expertise are pipeline	
	Prolonging the Useful Life of		to use available tools, programs, and asset management approaches to	4. Understand the importance of a valve program in a utility's	3. Are monetary consequence of valves significant and	Will Schaetzke, Woodard & Curran	on public and private water systems. Woodard & Curran has	condition assessment, risk analytics, and risk based planning.	
VS3_20	Distribution Valves	45 min 0.1 CEU)	maintain those crucial assets.	capital improvement program. 1. Understand the value of pilot testing and the data it generates	comparable to monetary consequences for pipes? 1. Is biological oxidation effective for removing iron	Craig Daly, Xylem Inc.	offices across the U.S., but Will currently works out of	Currently he is working to develop analytical methods where	n/a
					and manganese?		Lee has a wide range of experience managing projects in	Michaela Barrah ia a Bariant Marrana with the constant	
			Court of the latest and the latest a	for choosing full scale treatment options.			water resources, water quality and treatment, water reuse	Michaela Bogosh is a Project Manager with ten years of	
			Small public water systems are often faced with bringing impaired water	2. Learn the role of package plants for treating groundwater	2. Can consumption of drinking water containing high		design and facilities planning. One of the hallmarks of his	experience in drinking water treatment and water quality.	
			sources to drinking water standards. Available water sources and	contaminants.	enough concentrations of Mn may lead to adverse health effects?		career has been helping utilities find innovative and unique	Most recently, Michaela has managed projects in the	
			financial resources re limited, which limits available mitigation strategies.	3. Learn the treatment options for manganese and why			ways of addressing their specific problems. Mr. Odell has 31	Northeast, helping clients address treatment of complex	
			This session provides three examples of how utilities found cost effective		3. Is combining high arsenic groundwater with low-	Lee Odell, Odell Engineering, LLC	years of experience as an engineering consultant and 4 years		
	Affordable Water Treatment for	41 (0.4.0511)	measures for groundwater treatment of contaminants including iron,	4. Learn potential solutions to consider when faced with arsenic in		Michaela Bogosh, CDM Smith	of experience as a water treatment plant operator and	Michaela received her B.S. and M.S. in Civil Engineering from	i i aut i
VS3_24	Smaller Systems	1 hour (0.1 CEU)	radium, ammonia, manganese and arsenic.	groundwater, including design considerations, applicability, and	reduction in groundwaters?	Somnath Chilukuri, Freese & Nichols, Inc.	operations supervisor. Ms. Lusco serves as Arcadis' North American Lead for AMI	the University of New Hampshire. Dr. Jason Wen currently serves as Director of Water	missing Chilukuri
			Advanced Metering Infrastructure represents an investment in				and Smart Cities and brings extensive experience with	Resources in City of Lakewood, California. He is California	
			information technology for the water industry that can be leveraged to				technologies supporting smart utility / smart city initiatives,	registered Professional Engineer, and has both State of	
			not only support specific Meter-to-Cash needs, but to support broader	Identify how information technology can improve business			utility operations, engineering, and customer service units	California Grade 5 Water Treatment and Water Distribution	
			initiatives like Intelligent Water and Smart City. With limited capital	operations amd customer service.			such as AMI, GIS, Outage Management and Work	certificates. He has more than 30 years of experience in	
			dollars, utilities are challenged to make wise investment decisions. This	Understand how advanced metering infrastrcuture is a	Can AMI be used to connect with sensors outside of		Management solutions. Her 25 plus years' experience covers		
			session will walk through sample AMI implementations including	foundational component of intelligent water.	the AMI network?	Janis Lusco, Arcadis U.S., Inc.	water, electric and gas utility types. She has held director	management. His previous working experiences include in	
VSA 16	Advanced Metering Infrastructure	45 min (0.1 CEU)		Illustrate the role of AMI in water loss detection.	Can AMI be integrated with SCADA information?	Jason Wen. City of Lakewood			n/a
V54_16	Advanced ivietering intrastructure	45 min (0.1 CEU)	experiences with available sensor technologies and networks.	3. Illustrate the role of Alvii in water loss detection.	Can Aivii be integrated with SCADA information?	pason wen, city or takewood	level roles at a large utility and senior program manager and	California State Drinking water Program and consulting	n/a

Total Applying for:	0.5 CEUs
	0.5 CECs
	5 TCH
	5 TUs
	5 PDHs