Sunday, September 11, 2016						
9:00 a.m. – 12:30 p.m.	IUVA Workshop					
	Room: Salon H-G					
	 Advanced Oxidation Upstream and Downstream: UV/Cl2 vs UV/H2O2 					
	Professor Olya Keen, University of North Carolina, Charlotte					
	Malving Sense of	UV-Oxidation: EEO and Dose	Together Engure Dotable De	nuco Mooto Coolo		
	Alan Royce, Trojan		Together Elistic Fotable Re	use meets obais		
	110001200,210,210					
	1 0	egulations and Impact on Reus	se System			
	Kati Bell, MWH					
	• Analysis of Varis	bility in UV Disinfaction Syste	ma Fallouring a Stachastia A	nnraah		
		ability in UV Disinfection Syste III, Purdue University	a stochastic A	Арргоасн		
	Ernest R Diatenity	iii, i ur uue cuniversity				
	• UV System for H	High Level Disinfection – Opera	tion and Maintenance			
	Gary Hunter, Black	° .				
12:30 p.m. – 4:30 p.m.		oorough DPR Pilot Tour + I	Brew House Tour/Tastin	g		
1.00	(departs from the Hotel Lo	bby)				
1:00 p.m. – 6:00 p.m.	Registration Open					
	(Grand Ballroom Foyer)	DI	Cl	DI		
	Al Reuse Boot Camp	Bl Reuse "Florida Style"	Potable Reuse	Dl Water Quality		
	Reuse boot Camp	Reuse Piorida Style	Operations	Topics – Part I		
	Moderator: Tim	Moderator: Amanda	Moderator: Troy Walker,	Moderator:		
	Thomure, City of Tucson	Schwerman, Black & Veatch	Hazen and Sawyer			
	Water Department					
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H	Room: Salon I&J		
1:30 p.m. – 2:00 p.m.	Welcome and Introduction	Aquifer Recharge in Tampa Bay: Overview of Program	Building a Framework for Potable Reuse	Assessment of Ceramic MBR Technology for		
	Introduction	Objectives and Lessons	Operator Certification in	Municipal Water		
	Guy Carpenter,	Learned	California	Reuse		
	AquaTecture, LLC					
		Christopher Hill, ARCADIS	Wendy Broley, Brown and Caldwell	James DeCarolis, Black ජ Veatch		
2:00 p.m. – 2:30 p.m.	 What is Water Reuse 	The Broward and Palm	Optimization of	California Title 22		
2.00 pinn 2.00 pinn	• Water's Supply and Water Reuse's Role	Beach Counties Regional	Wastewater Reverse	Compliant Spot Check		
	 Speaking the Same 	Reclaimed Water	Osmosis – Improving	Bioassays for UV		
	Language and Why It's	Cooperative Partnership	Performance through More Aggressive	System Performance- Accurate Results Lie in		
	Important	Kevin Carter, Broward County	Operation	the Details		
		Water and Wastewater Services	L			
	Types of Reuse/Fit for	and Chris Pettit, Palm Beach	Greg Wetterau, CDM Smith	Steve McDermid,		
	Purpose	County Water Utilities		TrojanUV		
2.20 2.00	-	Department	Two-Year Performance	Weter Deliching of		
2:30 p.m. – 3:00 p.m.	Amy Tracy, England-Thims	Operational Testing of the First Direct Aquifer	of Orange County's	Water Polishing of Municipal Wastewater		
	& Miller, Inc.	Recharge System in Florida	Expanded Ground	Intended for Water		
	 Regulatory/Treatment 	at the South Hillsborough	Water Replenishment	Recycling Using a		
	Requirements	Aquifer Recharge Project	System	Novel Biocatalyst		
	 Levels of Treatment 	(SHARP)	Vasu Veerapaneni, Black ජ	Technology		
	and Allowable Uses	Philip Waller, HDR and Bart	Veatch	ShihChi Weng, MWH, now		
	 Local FL Examples 	Weiss, Hillsborough County		part of Stantec/John		
		Public Utilities Department		Hopkins University		
	A TBL Approach			Alliance		
	Ben Stanford, Hazen and					
	Sawyer					

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	 Economics 			
	 Environmental 			
	Social			
	Roundtable/Q&A			
3:00 p.m. – 6:30 p.m.	Exhibit Hall Open			
	(Salon E&F)			
3:00 p.m. – 3:30 p.m.	Networking Break			
	(Salon E&F)			
3:00 p.m. – 3:30 p.m.	Poster Presentations			
	(Salon E&F)			
	A2	B2	C2	D2
	Reuse Boot Camp	Technical Topics	Potable Reuse	Water Quality
			Planning	Topics - Part II
	Moderator: Tim	Moderator:	Moderator: Denis	Moderator: Albrey
	Thomure, City of Tucson		Guibert, H2O Innovation	Arrington, Loxahatchee
	Water Department			River District
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H	Room: Salon I&J
3:30 p.m. – 4:00 p.m.	D-11: Data st	Addressing Unique	Potable Reuse in Florida	Salt Accounting in
	Public Perception	Differences with In-Land Desalination: A Case	Ken Broome, MWH, now	Surface Augmentation
	Linda Macpherson, New	History of the San Antonio	part of Stantec	David Sloan, Freese and
	Water ReSources	Brackish Groundwater	puri of stuniec	Nichols, Inc.
	water Resources	Desalination Project		Trichols, Inc.
	 The Importance of 			
	Public Acceptance	Jarrett Kinslow, Tetra Tech		
4:00 p.m. – 4:30 p.m.	 Social Research 	Maximizing Product Water	One Water Los Angeles	Residual Chemicals in
	Summaries	through Brine Minimization at Padre Dam	2040 Plan: Managing All Water as One Water	Reclaimed Water and the Environment: A
	 Tools to Engage 	at Padre Dam	Using a Water Balance	Pacific Northwest
	 Success Stories 	Eileen Idica, Trussell	Model	Perspective
		Technologies, Inc.		1
	Regulatory Context		Inge Wiersema, Carollo	Jeff Hansen, HDR and
	regulatory content		Engineers	Wendy Steffensen, LOTT
	Kati Bell, MWH, now part			Clean Water Alliance
4:30 p.m. – 5:00 p.m.	of Stantec	Water Reuse Technologies	The City of Los Angeles	Treatability and
		for Army Applications	AWPF Pilot Project -	Chemical Stability
	 EPA Guidance 	Martin Dage U.S. Army	Update on Prequalification,	Effects of Supply Augmentation with
	 State and Local 	Martin Page, U.S. Army Engineer Research and	Treatment Train	High-Purity Recycled
		Development Center	Selection, Start-up and	Water at a Drinking
	Implementation	Development Center	Commissioning	Water Treatment Plant
	Implementation		_	
	Bart Weiss, Hillsborough		Roshanak Aflaki, City of Los	Michael Adelman, MWH,
	County Public Utilities		Angeles	now part of Stantec
	Department			
	 Funding Options 			
	 Supporting Materials 			
2.00		1		
5:00 p.m. – 6:30 p.m.	-	and New Water Brew Cont	test	Sponsored by
	(Salon E&F)			CDM
				CDM Smith
				cdmsmith.com

Monday, September	: 12, 2016		
7:30 a.m. – 4:00 p.m.	Registration Open		
-	(Grand Ballroom Foyer)		
7:30 a.m. – 3:30 p.m.	Exhibit Hall Open		
	(Salon E&F)		
7:30 a.m. – 8:30 a.m.	Continental Breakfast		Sponsored by
	(Salon EぐF)		Ccarollo
			EngineersWorking Wonders With Water®
8:30 a.m. – 10:00 a.m.	Opening Session		Sponsored by
	Room: Florida Ballroom		
			TROJANUV
	Guy Carpenter, AquaTecture, LLC, Wate	Reuse President	WATER CONFIDENCE
	Bob Buckhorn, Mayor of Tampa		
	Ryan Matthews, Director of the Office of `	Water Policy Florida Department of	Environmental Protection
		water Folicy, Florida Department of	
10:00 a.m. – 10:30 a.m.	Networking Break		Sponsored by
	(Salon E&F)		
			ch2m:
10:00 a.m. – 10:30 a.m.	Poster Presentations		
10.00 a.m. – 10.50 a.m.	(Salon E&F)		
10:05 a.m. – 10:25 a.m.	Innovation Corner – Presentation by	Bio-Microbics	
	(Salon E&F)		
	A3	B3	C3
	Big Picture Session –	MBR in Potable Reuse	Industrial Reuse -
	State of the Science on Antibiotic Resistance		Innovations in Industrial
	Moderator: Channah Rock, University of	Moderator: Abigail Antolovich,	Reuse Moderator:
	Arizona	Xylem, Inc.	
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H
10:30 a.m. – 11:00 a.m.	A fast-growing body of peer-	Can MBR Replace MF/UF in a	The Use of Reclaimed Water for
	reviewed literature exists that attempts to identify direct links	Potable Reuse Train - Implementation Concerns?	Power Plant and Wetland Rehydration Applications:
	bacterial antibiotic resistance to	implementation concerns:	Evaluation of Technologies to
	water reclamation processes. This	Ufuk Erdal, CH2M	Meet Fit for Purpose Water
	session will cover what is currently known, what is unknown, and where		Quality
	we need to go next to help answer		Mohammad Badruzzaman, MWH, now
	public health concerns related to antibiotic resistance in water	7 1 <i>i</i> . 1 7 <i>i</i> 1 7 i 1	part of Stantec
11:00 a.m. – 11:30 a.m.	reclamation processes and	Resolving the Final Hurdles to MBRs for Potable Water Reuse	Journey to Industrial Water Self- Sufficiency from Landfill
	applications.	marchier reade water reade	Leachate
	Valerie "Jody" Harwood, Ph.D., University	Nicola Fontaine and Andrew	
	of South Florida	Salveson, Carollo Engineers	Kelsi Oswald, Pinellas County Board of County Commissioners
11:30 a.m. – 12:00 p.m.		Efficient Retrofit with MBR to	Industrial Wastewater Stream
···· F	Jean E. McLain, Ph.D., University of	Meet Increased NEWater	Treated to Potable Drinking
	Arizona	Feedstock Demand at the Largest WRP in Singapore	Water Standards Using Zero Liquid Discharge
	Daniel Gerrity, Ph.D., University of	Largest WINT III SIIIgapore	Liquid Discharge
	Nevada, Las Vegas	Bikram Sabherwal, Black & Veatch	Phillip Locke, McKim & Creed
	Amy Pruden, Ph.D., Virginia Tech		
	Jeff Mosher, WE&RF/NWRI		
	, , , , , , , , , , , , , , , , , , ,		

12:00 p.m. – 1:00 p.m.	Networking Luncheon with Exhi Room: Salon E&F	Sponsored by	
			BLACK & VEATCH Building a world of difference:
	A4 Big Picture Session – State-by-State Regulatory Updates	B4 Potable Reuse Innovations	C4 Industrial Reuse - Industrial Water Footprint
	Moderator: Melissa Meeker, WateReuse	Moderator: Kati Bell, MWH, now part of Stantec	Moderator: Mel Butcher, ARCADIS
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H
1:00 p.m. – 1:30 p.m.	Updates from: Arizona Chuck Graf, Arizona Department of	Optimization of Ozone-BAC Systems for Potable Reuse Applications Zia Bukhari, American Water	How to Win Support and Influence the Industrial Water Footprint: Identifying Opportunity for Reduction, Making the Business Case, and
1:30 p.m. – 2:00 p.m.	Environmental Quality Florida Kristine Morris, Florida Department of Environmental Quality	Biofiltration Optimization for Reuse Applications: Validating a Decade of Drinking Water Biofiltration Research	Fostering Motivation for the Implementation of Industrial Water Reuse Projects This panel will feature investigators of industrial water
2:00 p.m. – 2:30 p.m.	Idaho Tressa Nicholas, Idaho Department of Environmental Quality Oklahoma Michael Moe, Oklahoma Department of	Chance Lauderdale, HDR Direct Potable Reuse using Multi-Stage Ozone-Biological Filtration (BAF) Steve Seachrist, Gwinnett County Department of Water Resources and Kati Bell, MWH, now part of Stantec	reuse and their industrial partners. Panelists will cover: the emerging viewpoints on water risk and social license to operate; obstacles to implementation of water reuse projects in industry; and an array of tools/techniques
2:30 p.m. – 3:00 p.m.	 Michael Moe, Oktanoma Department of Environmental Quality Tennessee George Garden, Tennessee Department of Environment and Conservation Texas Marlo Berg, Texas Commission on Environmental Quality 	Full Scale UV Advanced Oxidation Process with Sodium Hypochlorite for Potable Reuse Treatment – An Economic Attractive Option Jens Scheideler, Xylem Inc.	for successfully overcoming obstacles (with a preview of the Scorecard under development) Brian Moore, ARCADIS Mary Buzby, ARCADIS Todd Williams, General Motors Paul Bowen, Coca-Cola Company
3:00 p.m. – 3:30 p.m.	Networking Break (Salon E&F)		Sponsored by
3:00 p.m. – 3:30 p.m.	Poster Presentations (Salon EඌF)		
3:05 p.m. – 3:25 p.m.	Innovation Corner – Presentation by (Salon E&F)		
	A5 Big Picture Session – Water Supply Resiliency	B5 Potable Pretreatment and Resiliency	C5 Industrial Reuse - Municipal/Commercial Partnerships
	Moderator: Diane Taniguchi-Dennis, Clean Water Services	Moderator: Eva Steinle-Darling, Carollo Engineers	Moderator:
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H
3:30 p.m. – 4:00 p.m.	Whiskey is for Drinking and	Resilient DPR Design from Collection System to Tap, WRRF Project 14-13	A Push for Non-Irrigation Uses of Recycled Water at Irvine Ranch Water District

	Wastewater is for Fighting – A Modern Case Study in Western Water Management	Sharon Waller, Sustainable Systems LLC	Paul Cook, Irvine Ranch Water District
4:00 p.m. – 4:30 p.m.	John Kmiec, Marana Water	Source Control and Pollution Prevention - Two P's in a Pod	Sparta Reuse Facility/ Efforts to Save the Sparta Aquifer
	The City of Altamonte Springs,		L F
	Florida - A 30-year History of Water	Alan Rimer, EnviroTechNovations	Terry Emory, City of West Monroe
4:30 p.m. – 5:00 p.m.	Reuse	Source and Supply Water	Advanced Technology to Improve
	Jo Ann Jackson, City of Altamonte Springs	Quality Impacts on Performance and Reliability of Potable Reuse Advanced Water Treatment	Water Quality and Increase Use of Recycled Water for West Basin Carson
	Achieving Water Independence through the Sustainable Water Infrastructure Project	Facilities Sandeep Sathyamoorthy, Black ఈ Veatch	Bryce Danker, Hazen and Sawyer
5:00 p.m. – 5:30 p.m.	Areeba Syed, MWH, now part of Stantec	The Importance of Engineering Barriers for a Protected Pretreatment Program for IPR	Wastewater Recycling in Commercial Laundry Multi-Load Washers
		Penny Carlo, Carollo Engineers	Brian Boyd, Pacific Northwest National Laboratory

Tuesday, September	: 13, 2016			
7:30 a.m. – 2:00 p.m.	Registration Open (Grand Ballroom Foyer)			Sponsored by dela Parte & Gilbert, PA. ATTORNEY AT LAW
7:30 a.m. – 3:30 p.m.	Exhibit Hall Open (Salon E&F)			
7:30 a.m. – 8:30 a.m.	Continental Breakfast (Salon EඌF)			
7:35 a.m. – 7:55 a.m.	(Salon E&F)	resentation by Aqua-Aerobic S	-	
	A6 Panel Discussion: Reuse Decision- Making	B6 Agricultural Reuse	C6 Potable Reuse Benchmarks	D6 Industrial Reuse - Technology for Oil & Gas (Fracking)
	Moderator: Jeff Mosher, WE&RF/NWRI	Moderator: Amy Tracy, England-Thims & Miller, Inc.	Moderator: Gary ReVoir, Tetra Tech	Moderator:
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H	Room: Salon I&J
8:30 a.m. – 9:00 a.m.	A panel session on approaches and experiences with reuse evaluations and decision-making: The Evaluation of New Water Sources for the GWR Final Expansion Bruce Chalmers, CDM Smith	State of Agricultural Water Reuse- Impediments and Incentives Bahman Sheikh, Water Reuse Consulting	From Ground Water to Surface Water, Desalination – and Now Reclaimed Water. Tampa Bay Water Explores Potable Reuse as an Alternate Water Supply Ivana Kajtezovic, Tampa Bay Water	
9:00 a.m. – 9:30 a.m.	The Whole Story - How Monetizing Social and Environmental Benefits Influenced the Bottom Line for Pure Water Monterey	Fit for Purpose Water for Agricultural Preservation Jim Rasmus, Black & Veatch and Christopher McKinney, City of Escondido	Using the Latest Potable Water Reuse Research to Understand How to Negotiate the Gap Between the Clean Water Act and the Safe Drinking Water Act	Recycling Produced Water for Discharge or Beneficial Use Dan Mueller, Environmental Defense Fund

	Jeremy Cook, HDR		Andrew Salveson, Carollo	
	Jeremy Cook, HDR		Engineers	
9:30 a.m. – 10:00 a.m.	A New Tool for TBL Evaluation of Water Supplies Relative to Direct Potable Reuse Ben Stanford, Hazen and Sawyer	Delivering Recycled Water to Drought Stricken California Farmers Ryan Sellman, Carollo Engineers, Will Wong, City of Modesto and Michael Britten, Carollo Engineers	Design Considerations for Direct Potable Reuse Projects <i>Larry Schimmoller, CH2M</i>	Evaluation and Optimization of Conventional Treatment Trains for Multiple Reuse Applications of Oil and Gas Reclaimed Water Emily Nicholas, ConocoPhillips Center for a Sustainable WE2ST
10:00 a.m. – 10:30 a.m.	Networking Break (Salon E&F)			
10:00 a.m. – 10:30 a.m.	Poster Presentations (Salon EඌF)			
10:05 a.m. – 10:25 a.m.	Innovation Corner – Pr (Salon E&F)	resentation by Lewis, Longman	n & Walker, P.A.	
	A7	B7	C7	D7
	Panel Discussion: El Paso's Potable Implementation	Infrastructure Topics	Potable Reuse Quality	Industrial Reuse - Technology for Oil & Gas (Membranes)
	Moderator: Gilbert Trejo, El Paso Water Utilities	Moderator: Lynn Spivey, ARCADIS	Moderator: Adam Festger, TrojanUV	Moderator:
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H	Room: Salon I&J
10:30 a.m. – 11:00 a.m.	A panel session covering key aspects of potable reuse implementation in El Paso: Leveraging University Partnerships during	Integrated Decision Support Tool for Nested, Spatially-scaled, Urban Recycled Water Infrastructure Planning Eun Jung Lee, Stanford	Considering the Challenges of Providing Pathogen Reduction of 10-Orders of Magnitude or More Philip Brandhuber, HDR	
11:00 a.m. – 11:30 a.m.	DPR Pilot Testing: Research on Bacterial	University The Sewer Mining	Cost-effective Nitrogen	Solving Source Water
11.00 a.m. – 11.50 a.m.	Communities in El Paso's AWPF Purified Water <i>Corin Marron, ARCADIS</i> Pilot Testing Membrane	Toolbox - A Tool to Assess Decentralized Reuse Opportunities Sandeep Sathyamoorthy, Black & Veatch	Management Strategies for Potable Reuse Zakir Hirani, MWH, now part of Stantec	and Wastewater Disposal Limitations With a Unique High Recovery Secondary RO Ed Greenwood, Amec Foster Wheeler
11:30 a.m. – 12:00 p.m.	Pretreatment Options for a DPR Treatment Train Daniel Olson, ARCADIS Direct-to-Distribution DPR: Advanced Treatment Pilot Performance Brent Alspach, ARCADIS	Adaptive Strategies and Partnerships for Year- Round Use of Existing Reuse Assets Brenley McKenna, Denver Water	Treatability of Non- Nitrifying Secondary Wastewater Effluent for Advanced Water Treatment Sun Liang, Metropolitan Water District of Southern California	Advances in Extreme Recovery Membrane Systems for Treatment of Gypsum Saturated Waters, Ammonia Removal and Destruction, and Low Temperature Crystallization for true ZLD Mitchell Frank, Saltworks
12:00 p.m. – 1:30 p.m.	Awards Luncheon and Room: Florida Ballroom	Annual Membership M	eeting	Technologies Inc. Sponsored by
				🜐 MWH. port 🕥 Stantec

	A8	B8	C8	D8
	Panel Discussion:	Seawater	Planning for Inland	Industrial Reuse -
	Potable Reuse	Desalination	DPR	Technology for
	Monitoring			Pharma, Food & Bev
	Moderator: Shane	Moderator: Chris Hill,	Moderator: Steve Jones,	Moderator:
	Trussell, Trussell	ARCADIS	Garver	
	Technologies, Inc. Room: Salon C&D	Deams Edlan ArtaD	Room: Salon G&H	Doom Edou Iral
1:30 p.m. – 2:00 p.m.	A panel session on	Room: Salon A&B Seawater Desalination -	Planning for DPR - Its	Room: Salon I&J Mitigating Water Risks
1.50 p.m. 2.00 p.m.	advances in potable	Regulatory and	OK in OKC	through a Corporate
	reuse monitoring:	Scientific Issues Related		Water Management
	L.t	to Intake and Discharge	Gary Hunter, Black &	Plan - Case Study from
	Integration of Novel Sensor Systems and	Joe Monaco, Dudek	Veatch	the Milk Processing Industry
	Decision Tools for Direct	Joe Monaco, Duack		maasery
	Potable Reuse			Martin Andersen, DHI
2:00 p.m. – 2:30 p.m.		Conventional Versus	Future Water Supply for	
	Jeff Neemann, Black &	Membrane Based	San Angelo, Texas: Tradeoff between IPR	
	Veatch	Pretreatment Processes for Seawater	and DPR options	
	Fluorescence based Real	Desalination:		
	Time Continuous	Perspectives from Full-	Ellen McDonald, Alan	
	Membrane Integrity	Scale Operating Plants	Plummer Associates, Inc.	
	Monitoring in Wastewater Reuse for	Joseph Jacangelo, MWH, now		
	Potable Purposes	part of Stantec		
2:30 p.m. – 3:00 p.m.		The Tampa Story: More	DPR without RO? A	Active Pharmaceutical
	Seong Yoon, Nalco	than 8 Years Managing	Central Texas Town	Ingredients (API)
	Instrumentation for	Large Scale Desalination	Sets Out to Prove it Can Be Done!	Removal from Industrial Wastewater using a
	Treatment Process	Christine Owen, Tampa Bay	be Done:	MBR/Ozone Advanced
	Monitoring in Potable	Water	Eva Steinle-Darling, Carollo	Treatment
	Reuse Facilities		Engineers	
				Abigail Antolovich, Xylem,
	Angelica Gomez, MWH, now part of Stantec			Inc.
3:00 p.m. – 3:30 p.m.	Networking Break			
	(Salon E&F)			
3:00 p.m 3:30 p.m.	Poster Presentations			
	(Salon E&F)			
	A9	B9	С9	D9
	Panel Discussion:	Managing	Managing Water	Industrial Reuse –
	Potable Reuse	Desalination	Quality	Reuse for Florida
	Implementation			Food & Beverage
	Moderator: Guy	Moderator: Christine	Moderator: Jean McLain,	Moderator: Keyna Cory,
	Carpenter, AquaTecture, LLC	Owen, Tampa Bay Water	University of Arizona	Florida Recycling Partnership
	Room: Salon C&D	Room: Salon A&B	Room: Salon G&H	Room: Salon I&J
3:30 p.m. – 4:00 p.m.	A panel session on	What Me Worry It's	Consideration of	Recycle, Reuse and
	special topics in DPR:	Just the Commissioning,	Wastewater Population	Reduce are three words
	Concentio	Acceptance and	Source and Treatment	Florida Recycling
	Concept to Construction:	Commercial Operation of a 50 MGD Seawater	Processes in Developing Reuse Markers to Inform	Partnership members incorporate every day in
	Communicating From	Desalination Plant	Load Allocations for	its business activities
	Start to Finish to		TMDL Impaired Water	especially when it comes
	Achieve Successful	Howard Steiman, The Louis	Bodies	to water.
	Potable Reuse Project	Berger Group and Jim Fisher,	Joan Oppenheimer, MWH,	Learn from top
	Patricia Tennyson, Katz &	San Diego County Water Authority	now part of Stantec	businesses and
1.00 1.20	Associates, Inc.	The Influence of	Use of Preformed	associations such as
4(0) nm $-4(0)$ nm				$D_{11} = 0$ $M_{11} = 0$
4:00 p.m. – 4:30 p.m.		Desalinated Seawater	Chloramines to	Publix Super Markets,
4:00 p.m. – 4:30 p.m.	Community Engagement Pure Water Silicon	Desalinated Seawater from the Carlsbad SWRO Plant on San	Chloramines to Minimize NDMA Formation Potential at	Publix Super Markets, PepsiCo, Anheuser- Busch and PTR Balers &

	Valley Style Marta Lugo, Santa Clara	Diego Regional Potable Water Quality	City of Los Angeles' AWPF Pilot Project	Compactors on how they reuse water and reduce consumption.
	Valley Water District	Brent Alspach, ARCADIS	Sunny Wang, Brown and Caldwell	Kim Brunson, Publix
4:30 p.m. – 5:00 p.m.	Clearwater's Preliminary Design of a Full Advanced Treatment Indirect Potable Reuse Facility in the State of Florida: Operational Insights, Lessons Learned, and Design Approach Jennifer Roque, Tetra Tech The Goldilocks Project - A Potable Reuse Solution That's Just Right Ron Duncan, Soquel Creek Water District	Natural Gas Versus Grid Electricity for Seawater Desalination: An Economic and Environmental Life- Cycle Perspective Mohammad Badruzzaman, MWH, now part of Stantec	Integrating Microconstituent Management in Biological Treatment when Developing Broad Portfolio Water Reuse Strategies Sandeep Sathyamoorthy, Black & Veatch	Supermarkets Ken Wilkey, Anheuser-Busch
6:30 p.m. – 9:30 p.m.	Dinner and Discovery a	at the Florida Aquarium		L

Wednesday, Septen						
8:00 a.m. – 10:00 a.m.	Registration Open					
	(Grand Ballroom Foyer)					
8:00 a.m. – 9:00 a.m.	Plenary Breakfast Room: Salon E&F					
	• Legislative Update					
	Ian Wolf, Legislative Direct	or, WateReuse				
	• Reuse Market Trends Reese Tisdale, President, Blu					
	the direct potable reuse pr	oject in Wichita Falls, Texa water management strategie	nge County Groundwater R s, municipal reuse is increas s, a shift from the one-off an	ingly being deployed as a		
	limited applications in the	municipal space as well as	technology suppliers who h private system owners and o rithin the U.S. municipal spa	perators who can benefit		
		In this breakfast session, Bluefield Research President Reese Tisdale will discuss the emerging business opportunities within municipal reuse for technology suppliers, system integrators, and asset owners.				
	Reuse opportunit	ast for U.S. Municipal Reus cies in key markets				
		ithin the municipal reuse se	ctor across the value chain			
				D10		
	A10 Panel Discussion: Potable Reuse	BIO Florida Supply Augmentation	Cl0 Water Quality and Data Analytics	D10 Industrial Reuse – Polk Power Station		
	A10 Panel Discussion:	Bl0 Florida Supply	C10 Water Quality and	Industrial Reuse –		
	A10 Panel Discussion: Potable Reuse Communications Moderator: Karen Snyder, Katz & Associates Room: Salon C&D	BIO Florida Supply Augmentation Moderator: Karen Lowe, CDM Smith Room: Salon A&B	C10 Water Quality and Data Analytics Moderator: Room: Salon G&H	Industrial Reuse – Polk Power Station Moderator: Catherine Magliocco, Tampa Electric Company Room: Salon I&J		
9:00 a.m. – 9:30 a.m.	Al0 Panel Discussion: Potable Reuse Communications Moderator: Karen Snyder, Katz & Associates Room: Salon C&D One size does not fit all.	B10 Florida Supply Augmentation Moderator: Karen Lowe, CDM Smith Room: Salon A&B The City of Tampa	C10 Water Quality and Data Analytics Moderator:	Industrial Reuse – Polk Power Station Moderator: Catherine Magliocco, Tampa Electric Company Room: Salon I&J The regional reclaimed		
9:00 a.m. – 9:30 a.m.	A10 Panel Discussion: Potable Reuse Communications Moderator: Karen Snyder, Katz & Associates Room: Salon C&D	BIO Florida Supply Augmentation Moderator: Karen Lowe, CDM Smith Room: Salon A&B The City of Tampa Augmentation Project David Ammerman, Carollo Engineers and Brad Baird,	C10 Water Quality and Data Analytics Moderator: Room: Salon G&H	Industrial Reuse – Polk Power Station Moderator: Catherine Magliocco, Tampa Electric Company Room: Salon I&J The regional reclaimed water partnership initiative sought to use available reclaimed water in the region for industrial applications.		
	A10 Panel Discussion: Potable Reuse Communications Moderator: Karen Snyder, Katz & Associates Room: Salon C&D One size does not fit all. This lively panel presentation and discussion will focus on the tailored communication approaches required for potable reuse projects through expert panelists and case studies from a	BIO Florida Supply Augmentation Moderator: Karen Lowe, CDM Smith Room: Salon A&B The City of Tampa Augmentation Project David Ammerman, Carollo Engineers and Brad Baird, City of Tampa The 4G Wetlands: Recharging Dwindling Groundwater Supplies	Cl0 Water Quality and Data Analytics Moderator: Room: Salon G&H List of Lists Redux Andy Eaton, Eurofins Eaton	Industrial Reuse – Polk Power Station Moderator: Catherine Magliocco, Tampa Electric Company Room: Salon I&J The regional reclaimed water partnership initiative sought to use available reclaimed water in the region for industrial applications. The initiative took nearly 10-years from concept to completion, requiring the partners to		
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9:00 a.m. – 9:30 a.m. 9:30 a.m. – 10:00 a.m. 10:00 a.m. – 10:30 a.m.	Al0 Panel Discussion: Potable Reuse Communications Moderator: Karen Snyder, Katz & Associates Room: Salon C&D One size does not fit all. This lively panel presentation and discussion will focus on the tailored communication approaches required for potable reuse projects through expert panelists and case studies from a diverse range of utilities that are all working to effectively and transparently implement	BIO Florida Supply Augmentation Moderator: Karen Lowe, CDM Smith Room: Salon A&B The City of Tampa Augmentation Project David Ammerman, Carollo Engineers and Brad Baird, City of Tampa The 4G Wetlands: Recharging Dwindling Groundwater Supplies Rafael Vazquez-Burney, CH2M, Jeffrey Harris, Pasco County Utilities Services and Heath Stone, Phillips and	C10 Water Quality and Data Analytics Moderator: Room: Salon G&H List of Lists Redux Andy Eaton, Eurofins Eaton Analytical, Inc The Need for Application of Predictive Analytics for Potable Reuse Kati Bell, MWH, now part of	Industrial Reuse – Polk Power Station Moderator: Catherine Magliocco, Tampa Electric Company Room: Salon I&J The regional reclaimed water partnership initiative sought to use available reclaimed water in the region for industrial applications. The initiative took nearly 10-years from concept to completion, requiring the partners to modify standard practices and assumptions to enable a successful project and		

	Valley Water District		Quality	Mark McNeal, ASRus
	Ali Poosti, City of Los Angeles		Austa Parker, Carollo Engineers	Michael Weatherby, HydroGeo Consulting
	Gilbert Trejo, El Paso Water Utilities			
10:30 a.m. – 12:00 p.m.	Closing Plenary Session Room: Salon E&F	n		
	Natural and Cultural History, by many reviewers includin Ms. Barnett has reported o first book, Mirage: Florida ar Florida Book Awards and v should read. Her Blue Revolu one of the top 10 U.S. scien journalist, part mom, part 1 Ms. Barnett's work has app Atlantic, Salon, Politico, Disco	ntal Journalist and Author conmental journalist and the longlisted for the National I ng NPR's Science Friday. In freshwater and climate w ad the Vanishing Water of the Ea was named by the Tampa Bay ution, which articulates a wa ce books of 2011. The Globe d historian, and part optimist peared in the New York Times over, Orion and many other p ing at the University of Flor	Book Award and named am orldwide, from the Suwann <i>istern U.S.</i> won the gold meda <i>y Times</i> as one of the top 10 h ater ethic for America, was i lescribes Ms. Barnett's auth ." , <i>Los Angeles Times</i> , <i>Wall Street</i> publications. She teaches en	ong the best books of 2015 ee River to Singapore. Her al for best nonfiction in the books that every Floridian named by <i>The Boston Globe</i> as or persona as "part <i>Journal, The</i> vironmental journalism and

Poster Presentations

A Regional Integrated Water Resource Partnership to Increase Direct and Indirect Recharge Opportunities in West Central Florida

Lynn Spivey, ARCADIS

Alkalinity, pH, and Corrosion Control Strategies at the NCAWPF and Beyond Michael Adelman, MWH, now part of Stantec

Assigning Pathogen Removal Credits to Desalination Intake Wells Patrick Jjemba, American Water

Eastern Municipal Water District's Accelerated Retrofit Program – An Alternative Approach for Maintaining Community Recreation during California's Drought John Wuerth, Eastern Municipal Water District

Floc and Drop vs. Shock and Drop: Two Treatment Approaches to Spent Brine Management from Ion Exchange Systems *Eric Dole, Hazen and Sawyer*

Graphene Oxide Desalination Membrane Development and Testing for Greywater Reuse Applications Curtis, Mowry, Sandia National Laboratories

Human Health Implications of Microplasma Ozonation for Wastewater Reuse Shengkun Dong, University of Illinois at Urbana Champaign

In-Home Water Reuse: Alaska Water Sewer Challenge Aaron Dotson, University of Alaska Anchorage

Process Convergence of Membrane Bioreactor (MBR) Modules Leading to the Development of a Flexible Design Concept Adam Moore, H2O Innovation Inc

The Ventura Direct Potable Reuse Demonstrating Plant- Research, Monitoring, Performance, and Outreach Elisa Garvey, Carollo Engineers