

	Collection Systems	Engineering & Research	Engineering & Research	Engineering & Research
Friday May 2 AM	Session 36	Session 37	Session 38	Session 39
Session Title	Managing the Collection System	WERF Nutrients Study: Friend or Foe	Water Reuse & Advanced Treatment	Water Resource Recovery Facility Optimization
Session Chair	John Hough, SASD	Vijay Sundaram, Stantec	Vijay Sundaram, Stantec	Vijay Sundaram, Stantec
Session Moderator	Bob Potter, City of Los Angeles	Brian Peck, SOCWA	Onder Caliskaner, Kennedy/Jenks Consultants	Aniruddha Bhagwat, Carollo Engineers
7:45 to 8:35	Constructing, Updating, & Auditing Sewer System Management Plans to Reduce SSOs Heather Billing, Anastasia Mylonas, Brad Hagemann, & Jasmine Diaz, Wallace Group	No Presentation Consider Attending the Engineering & Research Committee Breakfast Meeting @ 0700	No Presentation Consider Attending the Engineering & Research Committee Breakfast Meeting @ 0700	No Presentation Consider Attending the Engineering & Research Committee Breakfast Meeting @ 0700
8:50 to 9:40	Creating Procedures for your Sewer System Management Plan Brad Hagemann, Anastasia Mylonas, Heather Billing, & Jasmine Diaz, Wallace Group	Practical Lessons Learned from Five BNR Plants Paul Pitt, PhD., P.E., WERF Study Team	Evaluation of a New Cloth Filter Performance in a Short SRT Activated Sludge Plant Ufuk Erdal, CH2MHILL	An Accurate Method to Estimate Energy Savings With More Efficient Blowers Akram Botrous, Stantec
		BNR/ENR Model Calibration Experience Ron Latimer, P.E., WERF Study Team		
9:55 to 10:45	What Does A Successful Fats, Oils & Grease Program Look Like? Anastasia Mylonas, Brad Hagemann, Heather Billing, & Jasmine Diaz, Wallace Group	Troubleshooting the Growth of Filamentous Organisms in BNR WRRFs David Jenkins, PhD., WERF Study Team	Validation Testing of a Continuous Backwash Filter In an Intermittent Mode of Operation Keith Bourgeois, Carollo Engineers	Effluent Channel Bypass Surgery at EBMUD's Main Wastewater Treatment Plant Eric Fieberling, EBMUD
		Case Studies of Blower Evaluations Joe Rohrbacher, H&S; Diego Rosso, UC Irvine, WERF Study Team		
11:00 to 11:50	Improving SSS WDR Compliance & SSMP Implementation through an Effective Internal Audit Process Michael Flores, RMC Water & Environment; Nick Arhontes, Orange County Sanitation District	Experience with Side-Stream Deammonification Rob Morton P.E., LACSD; Wendell Khunjar, PhD., H&S, WERF Study Team	The North Valley Regional Recycled Water Program (NVRWP): Technical Analyses of Recycled Water Delivery Ryan Doyle, RMC Water & Environment	Lessons Learned from IRWD - Setting Boundary Conditions When Estimating GHG Emissions for a Sustainability Evaluation Stephanie Shamblin Gray, HDR, Inc.
		Extractive Nutrient Recovery Managing Nutrients at WRRF Ron Latimer, P.E., WERF Study Team		

Multi-Vocational Round Table on Flushable Wipes	Operations & Maintenance	Operations & Maintenance	Safety	Supergroup	Students & Young Professionals
Session 40	Session 41	Session 42		Session 43	Session 44
Flushable? Dispersible? Disposable? A Roundtable Session	Beyond Secondary Treatment	O&M Potpourri		Management	Innovation from the New Wave
Alec Mackie, JWC Environmental	Dan Cravins, City of Fresno	Dan Cravins, City of Fresno		Steve Dominguez, DDSD	Saurabh Shekar, AECOM
Alec Mackie, JWC Environmental; Gayle Tupper	JT Harman, City of Fresno	Dan Cravins, City of Fresno		Steve Dominguez, DDSD	Beth Field, Fluid Resource Management
Overview Aubrey Strauss, Verdant Water & Maine Wastewater Association; Kim Babusik.	Challenges, Successes & Lessons Learned from the Retrofit of a Conventional Activated Sludge Water Treatment Facility for Nitrogen Reduction Lisa Coburn-Boyd & Gene Palop, Otay Water District	Turbo Blowers - Built to Last or Built too Fast? Andrea Turriciano & Bill Schilling, CDM Smith	No Presentation Consider Attending the Safety Committee Breakfast Meeting @ 0700	No Presentation Consider Attending the Supergroup Committee Breakfast Meeting @ 0700	No Presentation Consider Attending the SYP Committee Breakfast Meeting @ 0700
What Products are Really Considered Flushable? Kim Babusik, NicePak Collection Systems Justin Waples, Central Contra Costa Sanitary District	Decanter Centrifuge Dewatering – Theory and Process Variables Rob Islander, Alfa Laval, Inc.	Trickling Filters - Design, Operation, Maintenance, & Future Bryan Rothermel, Brentwood Industries, Inc.		Innovating the Operator Keon D. Nelson, City of Garden Grove	Sustainable Management of Water Resources: A "One Water" Approach. Andre Goodridge
Pretreatment/ Source ID Colleen Henry, Central Contra Costa Sanitary District	Sludge Settling Improvements At The 18 MGD BNR Facility Alex Ekster, Ekster & Associates	Automated Dredge for Large Pond – Considering Aerators, Land Application, & Belt Presses Greg Chung, GHD, Inc.		Evaluative Bids - Developing Specs with Your best Interest in Mind Cristina Ahnadvour, APG Neuros	Optimization of Volatile Fatty Acid Production from Food Waste for Bioplastic Production Rameshwar Kapile, CSU, Fresno
Outreach/Education Melody LaBella, Central Contra Costa Sanitary District	Introduction to Ozonation Chelsea Cotton, H2O Engineering	Small Facility, Big Problems, Creative Solutions Linda Garcia, PE, Western Municipal Water District		Communication Conundrums: Taking the Complicated Out of Communication Megan Yoo Schneider, Tetra Tech; Denis Pollak, V&A Engineers; Nick Arhontes, OCS&D	Small Water System Economic Analysis of Brine Residual Disposal Vivian B. Jensen, UC Davis
	Energy Generation + Sustainable Disinfection with Title 22-Certified Pasteurization Technology: Results of System Operations in Graton, CA Greg Ryan, Pasteurization Technology Group	H2S Impacts on Wastewater Treatment Facilities Dan Cravins, City of Fresno Methods of H2S Control in Collection Systems Inken Mello, ECO2			Modeling Sacramento River Winter-run Chinook Population Changes Due to Climate Change Rosemarie Dimacali, CH2M Hill