

## MWEA 2019 Annual Conference Technical Program Agenda

Time	Presentation Title	Presenter(s) and Company	CEC Values	
<b>Monday, June 24, 2019 - OPENING Session</b>				
8:30-9:00	<i>Annual Meeting and Election of Officers</i>			
9:00-9:15	President's Welcome	Greg Kacvinsky, OHM Advisors	Other	0.2
9:15-9:45	WEF Address	Tom Kunetz, WEF President		
9:45-10:15	WRRF Update / PUMP Award	Pete Cavagnaro, Johnson Controls Brian Hannon, Moore & Bruggink		
10:15-10:30				
10:30-11:00	MDEQ Update	Liesl Clark, Michigan Department of Environmental Quality		
11:00-12:00	One Artist Five Oceans: A 20-year quest to capture all the world's oceans	Danielle Eubank		
<b>Monday, June 24, 2019 - (PM Sessions)</b>				
<b>Session 1A: COLLECTION SYSTEMS</b>				
1:00-1:30	Application of Real-Time Market-Based Control Algorithm Decreases Combined Sewer Overflows in Portion of Great Lakes Water Authority	Wendy Barrott, Great Lakes Water Authority Branko Kerkez, University of Michigan Gregory Ewing, University of Michigan	Technical	0.05
1:30-2:00	Cost-Effective Control of Odors and Corrosion in Collection Systems	Allen Gelderloos, Jacobs	Technical	0.05
2:00-2:30	Being a Beer Hero to Achieve Net Zero	Alexandria Burt, Hubbell, Roth & Clark, Inc.	Managerial	0.05
2:30-3:00	In Lines Storage Solution	Brad Gurski, SCCMUA Mark Prein, Prein & Newhof	Technical	0.05
<b>Session 1B: STORMWATER</b>				
1:00-1:30	Creating a Comprehensive Green Infrastructure Maintenance Program: Costs, Strategy & Designs	Catie Wytychak, Washtenaw County Water Resources Commissioner's Office	Managerial	0.05
1:30-2:00	Clinton River Corridor Restoration	Prasad Gullapalli, Hubbell, Roth & Clark	Managerial	0.05
2:00-2:30	Protecting Our Future through Stormwater Utility Fees	Nancy Russell, OHM Advisors Erica Morgan, OHM Advisors	Managerial	0.05
2:30-3:00	The Role of Green Infrastructure in Flood Mitigation in the City of Detroit	Jamie Steis Thorsby, Healthy Urban Waters- Wayne State University	Managerial	0.05

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<b>Session 1C: HOT TOPICS</b>				
1:00-1:30	Community Resiliency Planning through a Watershed Lens	Nathan Campeau, Barr Engineering John Loomis, South Washington Watershed District	Managerial	0.05
1:30-2:00	Fate of Microplastics in WWTPs: Source or Sink?	Sam Bagchi, Digested Organics	Technical	0.05
2:00-2:30	Addressing PFAS in a Municipal POTW from a Local, Watershed and State Perspective	Tim Sikma, City of Wixom Karyn Stickel, Hubbell, Roth & Clark Stephanie Kammer, Michigan Department of Environmental Quality	Managerial	0.05
2:30-3:00	What it Takes to Innovate	Panel Discussion: Mike Lunn, City of Grand Rapids Evangelina Belia, Primodal US Inc Julian Sandino, Jacobs Tom Kunetz, WEF President	Managerial	0.05

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<b>Tuesday, June 25, 2019 (AM Sessions)</b>				
<b>Session 2A: PROCESS</b>				
8:30-9:00	ARTP- the Most Efficient and Reliable Secondary Treatment Plant for Bio-P Removal in North America	Joe Georgen, GCDCWWS Joh Kang, Water & Energy Advisors, LLC	Technical	0.05
9:00-9:30	Integration of the First Phase of Process Improvements for the East Lansing Water Resource Recovery Facility	Peter Daukss, Tetra Tech Brent Bode, Tetra Tech	Managerial	0.05
9:30-10:00	Understanding Design Standards and Codes for Biogas Systems	Regina Hanson, Varec Biogas Jim Groman, Varec Biogas	Managerial	0.05
10:00-10:15				
10:15-10:45	Change is in the Air: Wyoming Clean Water Plant Biofilter and Odor Control Improvements	Joshua Redner, Fishbeck, Thompson, Carr & Huber	Technical	0.05
10:45-11:15	Using Metabolic and Physical Selectors to Densify Activated Sludge	Alyssa Mayer, Hazen and Sawyer	Technical	0.05
11:15-11:45	Clarifying Settling Tank Capacity - 2D and 3D CFD Applications for Primary and Secondary Clarifiers	William Martin, Hazen and Sawyer	Technical	0.05
12:00-1:15				
<b>Session 2B: WATERSHED</b>				
8:30-9:00	Tools and Projects for Reducing Nutrient Loading in the Western Lake Erie Basin	Ruth Kline-Robach, Michigan State University	Managerial	0.05
9:00-9:30	Five Mile Creek Restoration (following a dam failure)	Stu Kogge, GEI Consultants, Inc	Managerial	0.05
9:30-10:00	Doing More Than the MS4!	Prasad Gullapalli, Hubbell, Roth & Clark Sandra Diorka, Delhi Charter Township	Managerial	0.05
10:00-10:15				
10:15-10:45	Developing a Stormwater Control Measure Sizing Credit for the Infiltration Improvements Attributable to Plants	Scott Dierks, GEI Consultants, Inc	Managerial	0.05

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10:45-11:15	Phytoremediation: One Tree at a Time	Michelle Post, Environmental Consulting & Technology, Inc. Tonya Lewandowski, Environmental Consulting & Technology, Inc.	Managerial	0.05
11:15-11:45	Biosolids and Air Deposition as Sources of PFAS Groundwater Contamination	Adam Janzen, Barr Engineering Company	Managerial	0.05
12:00-1:15				
<b>Session 2C: OPERATIONS &amp; TREATMENT</b>				
8:30-9:00	Critical Mass - Operating at Less than Firm Capacity and Pushing Processes to Their Limit	Jared Buzo, Oakland County Water Resources Commissioner Michael Daniels, Oakland County Water Resources Commissioner	Technical	0.05
9:00-9:30	Primary Clarifier Rehabilitation: A Case Study	Christine Isaguirre, Donohue & Associates	Technical	0.05
9:30-10:00	Reducing the Costs for WWTP Digester Clean-outs	Jesus Rodriguez, JWC Environmental	Managerial	0.05
10:00-10:15				
10:15-10:45	Utility of the Future, The Continued Journey at St Cloud, MN	Nathan Cassity, Donohue & Associates	Managerial	0.05
10:45-11:15	Effluent Data and NPDES Permit Limit Development	Matt Staron, Michigan Department of Environmental Quality	Managerial	0.05
11:15-11:45	We Made a Cake, Now What?	Daniel Miller, Jones and Henry Engineers	Technical	0.05
12:00-1:15				

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<b>Tuesday, June 25, 2019 (PM Sessions)</b>				
<b>Session 3A: Utility Optimization</b>				
1:30-2:00	Getting the Best ROI from Your GIS	Jim Miller, Hubbell, Roth & Clark Erv Suida, City of Howell	Managerial	0.05
2:00-2:30	Grand Rapids - Update on Projects and Accomplishments	Michael Lunn, City of Grand Rapids WRRF	Managerial	0.05
2:30-3:00	Sustainable? What can my data tell me?	Tim Kruse, Eramosa Andy Biddle, City of Saginaw	Managerial	0.05
<i>3:00-3:15</i>				
3:15-3:45	Impact of Efficient Polymer Activation on Improving Sludge Thickening and Dewatering	Yong Kim, UGSI Solutions, Inc.	Technical	0.05
3:45-4:15	Application of Process Modeling and Detailed Wastewater Characterization to Identify WRRF	Glen Daigger, University of Michigan Cheng Yang, University of Michigan	Managerial	0.05
<b>Session 3B: Treatment Considerations</b>				
1:30-2:00	Progressive Design-Build Utilizing SRF Funding City of Hudson- Wastewater System Improvements	David Harvey, Fleis & VandenBrink	Managerial	0.05
2:00-2:30	Trust, but Verify: Performance of Online TSS Probes during Abnormal Plant Operation	Emily Miner, City of Grand Rapids WRRF Evangelina Belia, Primodal US Inc.	Technical	0.05
2:30-3:00	Flow Capacity vs. Treatment Capacity: Changing One Without the Other?	Ben Whitehead, Black & Veatch	Technical	0.05
<i>3:00-3:15</i>				
3:15-3:45	Biosolids Facility Planning: One Approach, Three Communities	Christine Isaguirre, Donohue & Associates	Managerial	0.05
3:45-4:15	Low Energy Microbiomes for Nitrogen Removal: Rethinking Nitrification and Denitrification	Leon Downing, Black & Veatch	Technical	0.05

## MWEA 2019 Annual Conference Technical Program Agenda

Time	Presentation Title	Presenter(s) and Company	CEC Values	
<b>Wednesday, June 26, 2019 - CLOSING Session</b>				
8:30-8:45	Incoming President's Welcome and Address	Jennifer Wagner, Hamlett Environmental Technologies	Other	0.2
8:45-9:15	News from the Field	Steve Aiken, Duperon		
9:15-10:00	Dan Wolz Science Teacher Grant Winner	Holly Hereau, Thurston High School		
10:00-10:15				
10:15-11:00	Water & Policy in Michigan	Mike Compagnoni, Midwest Strategy Group		
11:00-12:00	Michigan Infrastructure Council Update	Jessica Moy, Michigan Infrastructure Council		
12:00				