

# CAROLLO ENGINEERS – TECHNICAL PRESENTATIONS

WEFTEC 2021 – CHICAGO, ILLINOIS

## ➤ SUNDAY, OCTOBER 17

**1:55 pm**      **Minimizing Pathogen Risk Through a Combination of Real-Time Monitoring Systems**  
*Speaker: Andrew Salveson*

**4:00 pm**      **EMWD Dewatering Optimization Case Study** *Speaker: Rashi Gupta*

## ➤ MONDAY, OCTOBER 18

**1:30 pm**      **El Paso Water's Comprehensive Approach to Direct Potable Reuse Implementation Paves the Way**  
*Speaker: Sanaan Villalobos*

**1:30 pm**      **Recommendations for the Analysis of Source Separated Organic Food Waste to Help Inform the Design and Operation of Co-digestion Facilities** *Speaker: Tanja Rauch-Williams*

**1:52 pm**      **What Happens in Texas Doesn't Stay in Texas: How a Small-Town Texas DPR Study Inspired an International Award-Winning Carbon-Based Direct Potable Reuse Demonstration (in Florida)**  
*Speaker: Eva Steinle-Darling*

**1:55 pm**      **Pilot Scale Evaluation of Coagulation and Ultrafiltration for Phosphorus Removal**  
*Speaker: Daniel Hugaboom*

## ➤ TUESDAY, OCTOBER 19

**11:10 am**      **Semi-Autonomous Operations for Potable Reuse** *Speaker: Jason Assouline*

**11:40 am**      **Ensuring Purified Recycled Water Quality Using Critical Control Points and Process Automation**  
*Speaker: Kalyani Ganesan*

**2:15 pm**      **A Review and Discussion of Wastewater Process Inhibitions Observed in the U.S. as a Result of COVID-19 Countermeasures** *Speaker: Bryan Coday*

## ➤ WEDNESDAY, OCTOBER 20

**9:10 am**      **Assessment of Critical Dependencies for Rapid Disaster Recovery** *Speaker: Wayne Gresh*

**11:00 am**      **Microplastics in Wastewater Treatment Facilities: A Review of Occurrence, Toxicology, Treatment, and Current Regulatory Developments** *Speaker: Cayla Cook*

**11:25 am**      **Assessment of Turbidity for Assurance of Log Reduction Values by Membrane Bioreactors**  
*Speaker: Amos Branch*

**1:35 pm**      **Moving and Removing Mountains of Grit at SFPUC's New 250 MGD Headworks**  
*Speaker: Teri Raasch and Mary-Ellen Esquer*

**1:45 pm**      **Comparison of Life Cycle Costs at Operating Cogeneration and RNG Facilities** *Speaker: Becky Luna*

**2:15 pm**      **Master Plan Shows the Way Forward for Sustainable Food Waste Co-digestion and Beneficial Biogas Utilization Options** *Speaker: Christian Tasser*