

EDUCATION PROGRAM | BCWWA 2020 VIRTUAL CONFERENCE

TUESDAY, NOVEMBER 3

OPENING SESSION 8:00 AM Main Stage					
8:30 – 9:30 AM Keynote Speaker: Natalie Panek Main Stage					
BREAK 9:30 – 10:00 AM					
VIRTUAL ROOM	MAIN STAGE	ROUND TABLE SESSIONS	EDUCATION ROOM 1	EDUCATION ROOM 2	EDUCATION ROOM 3
STREAM	MUNICIPALITY UTILITY MANAGEMENT	SMALL WATER SYSTEMS	UNDERGROUND INFRASTRUCTURE	OPERATIONAL TECHNOLOGY	YOUNG PROFESSIONALS
10:00 – 10:30 AM	Boom, Bust & Echo – How Main Break Data Can Guide Water Capital Planning <i>Ron Weismiller, City of Burnaby</i>	Defining a New Innovation Agenda for the Non-Urban Market (RES'EAU) – <i>Panel Session</i> <i>Panelists TBD</i>	Eliminating Confined Space Entry in Air Release Valve Chambers <i>Dave Brewer, USC Utility Supply (West) Corp.</i>	Solving SCADA Challenges with Design Considerations <i>Zane Spencer, MPE Engineering Ltd.</i>	Young Professionals PechaKucha Series <i>Speakers TBD</i>
10:30 – 11:00 AM	Infrastructure Funding: Climate Lens Integration <i>Lee Johnson, Ministry of Municipal Affairs and Housing</i>		Understanding Trench / Excavation Safety & Engineering Documentation <i>Ronald Enns, Kwantlen Polytechnic University</i>	Autonomous Water System Optimization Through Smart Water Systems <i>Steven Conrad, University of British Columbia</i>	
11:00 – 11:30 AM	Fast-Tracking Your Asset Management Program Through Facility Condition Assessment <i>Chris Lombard, AECOM</i>		How to Maintain Critical Water Services Without Disrupting Your Customer <i>Dave Brewer, USC Utility Supply (West) Corp.</i>	Prescriptive Cleaning Can Be A Bitter Pill to Swallow <i>Dave Belomy, ADS Environmental Services</i>	
LUNCH TRADE SHOW & NETWORKING 11:30 AM – 1:00 PM					

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VIRTUAL ROOM	MAIN STAGE	ROUNDTABLE SESSIONS	EDUCATION ROOM 1	EDUCATION ROOM 2	EDUCATION ROOM 3
STREAM	MUNICIPAL UTILITY MANAGEMENT	SHARED PERSPECTIVES – CLEAR VISION – DIVERSITY	UNDERGROUND INFRASTRUCTURE	WATER QUALITY	WASTEWATER TREATMENT
1:00 – 1:30 PM	<p>Large Diameter Watermain Repair – Diving into the Project!</p> <p><i>Chris Newcomb, McElhanney Ltd.</i></p>	<p>Panel Session TBD</p> <p><i>Panelists TBD</i></p>	<p>Tools and Techniques to Make Sewer Rehabilitation Programs More Effective</p> <p><i>Sam Eichenberger, KWL Consulting</i></p>	<p>Standardized and Decentralized Nanofiltration Potable Water Plants for Remote Locations</p> <p><i>Grant Guenther, Delco Water</i></p>	<p>Primary Sludge Screening and Grit Removal System Leads to Sustainable Digester Operations</p> <p><i>Patrick Herrick, Hydro International</i></p>
1:30 – 2:00 PM	<p>Integrated Rainwater and Groundwater Management for Urban Townhouse Development: A Case Study</p> <p><i>Jessica LeNoble, KWL</i></p>		<p>Pipeline Design Considerations to Increase Seismic & Subsidence Resilience</p> <p><i>Brent Williamson, Canada Pipe</i></p>	<p>Groundwater Manganese Removal by Bio-Filtration</p> <p><i>Bojun Xu, SUEZ Water Technology Solutions</i></p>	<p>Building Information Modeling for Design and Construction of a WWTP</p> <p><i>Aaron Buckley, Jacobs</i></p>
2:00 – 2:30 PM	<p>Success Through Collaboration – Mangawhai Water Treatment Plant</p> <p><i>Jonathan Lowe, WSP Canada</i></p>		<p>Ductile Iron Pipe for a Resilient, Sustainable Infrastructure</p> <p><i>Sam Ghosn, Ductile Iron Pipe Research Association (DIPRA)</i></p>	<p>Chlorine Disinfection Transition – Gas to Liquid</p> <p><i>Patricia De Leon, WSP Consultants</i></p>	<p>An Investigation into the Biodegradation Mechanisms Involved with Sludge Accumulation in Septic Tanks</p> <p><i>Kelsey Shaw, University of Victoria</i></p>
VIRTUAL NETWORKING 2:30 – 3:30 PM					

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EDUCATION PROGRAM

WEDNESDAY, NOVEMBER 4

8:00 – 9:30 AM MAIN STAGE					
SESSION TBD					
BREAK 9:30 – 10:00 AM					
VIRTUAL ROOM	MAIN STAGE	ROUNDTABLE SESSIONS	EDUCATION ROOM 1	EDUCATION ROOM 2	EDUCATION ROOM 3
STREAM	MUNICIPAL UTILITY MANAGEMENT	SHARED PERSPECTIVES – CLEAR VISION	WASTEWATER TREATMENT	WATER TREATMENT	SMALL WATER SYSTEMS
10:00 – 10:30 AM	How to Maintain Potable Water Supply After a Major Catastrophe <i>A. Cristina Fonseca, Stantec Consulting Ltd.</i>	Building Resilience – Panel Session <i>Steve Conrad, University of British Columbia</i>	MABR Pilot at Gold Bar WWTP: Nitrification Below Washout SRT <i>Matt Reeve, SUEZ Water Technologies & Solutions</i>	Granular Media Filtration is a Batch Process: Comparison of Various Backwash Procedures and the Effect on Filter Performance <i>David Hambley, AWI (Anthratech Western Inc)</i>	Successful Implementation of Membrane Treatment in a Park Setting – Ashcroft <i>Travis Pahl, Urban Systems</i>
10:30 – 11:00 AM	How Environmental Risk Identification Helped Victoria Prioritize Action <i>Josie Gilson, Morrison Hershfield</i>		Aeration Blowers and Choosing the Right Technology <i>Lane Hallick, Aerzen Canada</i>	City of Chilliwack Well Pumping Test and Pilot Investigation <i>Rachel Trower, Associated Engineering</i>	BC Small Water Systems Community Network <i>Marian Hands, BCWWA</i>
11:00 – 11:30 AM	District Energy Systems in British Columbia – Update 2020 <i>Ron Monk, Kerr Wood Leidal</i>		Granular and Flocculant Biomass: Learnings Flow Both Ways <i>Dean Shiskowski, Associated Engineering</i>	Drinking Water for the Future: The Power of Biological Ion-Exchange <i>Karl Zimmermann, RESEAU</i>	Saddle Lake Cree Nation Source Water Vulnerability Assessment <i>Aaron Coelho, Urban Systems</i>
LUNCH TRADE SHOW & NETWORKING 11:30 AM – 1:00 PM					

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STREAM	WATER QUALITY	PUBLIC ENGAGEMENT	UNDERGROUND INFRASTRUCTURE	SOURCE WATER	CLIMATE CHANGE
1:00 – 1:30 PM	Lead – Where Do We Draw the Line? <i>Siobhan Robinson, Kerr Wood Leidal</i>	Session TBD <i>Speaker TBD</i>	The History of Valve Insertion & Its Future <i>Brandon Pater, Pacific Flow Ltd.</i>	Fraser Valley Regional District - Hatzic Prairie Environmental Flow Needs Study <i>Aaron Coelho, Urban Systems</i>	Beyond the Flood Zone: Managing Cascading Impacts on Vancouver's North Shore <i>Amir Taleghnai, Kerr Wood Leidal Associates</i>
1:30 – 2:00 PM	Do you know if you have a Corrosion Issue with Lead? Practical Tips to Understand your Risk <i>Quirien Muiylwyk, AECOM</i>		Optimizing Large Multi-Feed Pressure Zones: PRV Criticality, Redundancy, and Setting Optimization Analyses with Hydraulic Modeling with the City of Maple Ridge, BC <i>Werner de Schaetzen, GeoAdvice Engineering Inc.</i>	Water Supply Agreements <i>Olga Rivkin, Lidstone & Company Law Corporation</i>	Building Climate Resilience in the Okanagan - A Homeowner's Resource Guide <i>Zoe Kirk, Regional District of Okanagan Similkameen</i>
2:00 – 2:30 PM	Session TBD <i>Speaker TBD</i>		New BC Ground Disturbance 201 Standard: How It Applies to You? <i>Ronald Enns, Kwantlen Polytechnic University</i>	Creek Health Improves with LID: A Case Study <i>Chris Johnston, Kerr Wood Leidal</i>	Servicing Development in a Changing Climate <i>Glen Zachary, Urban Systems</i>
VIRTUAL NETWORKING 2:30 – 3:30 PM					

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