



*The Power of Public Works*

*Share the Knowledge*

UPDATED SEPT 6/18



SEPTEMBER 16-19, 2018 • SUN PEAKS GRAND HOTEL & CONFERENCE CENTRE

# JOINT CONFERENCE & TRADE SHOW *2018*

Plan for tomorrow. Be prepared for today.

# plan for tomorrow. be prepared for today.

## Conference Site

Sunpeaks Grand Hotel & Conference Centre  
3240 Village Way, Sun Peaks, BC V0E 5N0



## SUN PEAKS RESORT

## about Sun Peaks

Canada's Alpine Village is right in the heart of BC. Discover this mountain playground, just 45 minutes north of Kamloops. Sun Peaks is a breathtaking summer destination, a mountain playground with festivals, concerts and events, as well as a variety of outdoor activities for all ages taking place most weekends in the summer.

## Activity highlights...

- bike park **FLY FISHING**
- HIKING** golf course
- MINI CART COURSE**
- mountain cross carts
- SHOPPING** spa & wellness

This joint conference is presented by the British Columbia Municipal Safety Association and the Public Works Association of British Columbia.

## Accommodation

We have reserved a block of rooms at several Sun Peaks properties for attendees. We encourage you to reserve rooms early to avoid the disappointment of hotels selling out. Please see below for hotel booking information:

**Sun Peaks Grand Hotel & Conference Centre**  
3240 Village Way, Sun Peaks, BC V0E 5N0  
1-844-774-7263 | 250-578-6001 (fax)  
[www.sunpeaksgrand.com/](http://www.sunpeaksgrand.com/)  
Reservation Code: **GNPWA18**

ROOM RATES: \$155 + taxes

**Hearthstone Lodge**  
3170 Creekside Way, Sun Peaks, BC V0E 5N0  
Toll Free: 1-800-811-4588  
Direct: 1-250-578-6969  
Email: [reservations@bearcountry.ca](mailto:reservations@bearcountry.ca)

ROOM RATES: \$119 - \$155 + taxes

Please note:

- This property requires a deposit at the time of booking.
- To access this special rate, please identify yourself as part of:

PWABC - Public Works Association of BC; or  
BCMSA - BC Municipal Safety Association

**Cahilty Hotel & Suites**  
3220 Village Way, Sun Peaks, BC V0E 5N0  
1-800-244-8424  
[www.cahiltyhotel.com](http://www.cahiltyhotel.com)  
Group Code: **PWA09**  
ROOM RATES: \$99 - \$249 + taxes

The benefits include more presentations in key topic areas including safety, public works, utilities and leadership; a larger trade show; and more opportunities to network with municipal leaders and industry professionals from across BC.

Combining the key strengths and areas of expertise of each of our associations elevates the quality and value of your conference experience.

## Trade Show

Many local and national suppliers will be displaying their products and services for you. This is an excellent opportunity to ensure you are current with the most recent developments and solutions for your workplace.

**TRADE SHOW HOURS:**  
MONDAY, SEPTEMBER 17: 11:30am - 1:30pm  
(Indoor & Outdoor at Annex) 4:00pm - 6:00pm

MONDAY, SEPTEMBER 17: 7:30am - 4:30pm  
TUESDAY, SEPTEMBER 18: 7:30am - 2:30pm  
(table top exhibitors in ballroom foyer)

## CEU Credits

The Environmental Operator's Certificate Program (EOCP) has awarded the Conference 0.55 CEU's each day (total 1.1 CEUs).

## Classification for Workshop Streams

The classifications of Leadership, Public Works, Safety, and Utilities offer an indication of the focus of a presentation for a delegate's consideration.

<b>L</b> Leadership	<b>S</b> Safety
<b>PW</b> Public Works	<b>U</b> Utilities

Register for the conference online:  
<https://events.eply.com/2018AnnualConference>

**Note: session selection is not required**



# timetable

SUNDAY SEPTEMBER 16	
11:30am - 6:00pm	Golf Tournament hosted by the Municipal Services Association. For more information, please go to: <a href="http://msa-bc.org/">http://msa-bc.org/</a>
3:00pm - 5:00pm	Social Event - Mountain Cross Carts
3:00pm - 5:00pm	BCMSA Regular General Meeting
3:00pm - 8:00pm	Registration in the lobby of the Sun Peaks Grand Hotel
7:00pm - 8:30pm	Meet 'n Greet Social - Sun Peaks Grand Hotel Salon A & B

MONDAY SEPTEMBER 17					
6:45am - 7:45am	Breakfast (Ballroom)				
7:45am - 9:30am	WELCOME AND PLENARY SESSION <b>SUNPEAKS BALLROOMS</b> KEYNOTE PRESENTATION: <i>What If We Have It All Wrong?</i> by Dr Louis Francescutti				
9:30am - 10:00am	Coffee Break & Exhibitors (Conference Centre Lobby)				
LOCATION	SALON A+B	SALON A+B	SALON C	SALON D	
10:00am - 11:30am	<b>PW</b> Plenary: Dealing with growth variations - from slow to mach 10 and faster	<b>PW</b> System Risk Management Planning (SRMP) and Water Workforce Strategy (WWS)	<b>S</b> Safety Leadership	<b>S</b> Impairment in the Workplace	
11:30am - 1:30pm	Lunch & Trade Show (Indoor & Outdoor at the Annex)				
LOCATION	SALON C	SALON D	ALPINE ROOM	SALON A	SALON B
1:30pm - 2:30pm	<b>PW</b> Journey from Brownfield to Vibrant Town Center	<b>U</b> The Power of a SCADA Master Plan: A City of Courtenay Case Study	<b>L</b> Dealing with Difficult People: Risk Management Strategies and Tools for Public Works	<b>S</b> "Exposure Control Plans " in a Nutshell	<b>S</b> Taking Action to Improve Psychological Health and Safety
2:30pm - 3:00pm	Coffee Break & Exhibitors (Conference Centre Lobby)				
3:00pm - 3:40pm	<b>PW</b> Applications of StreetScan Technology in the City of Temiskaming Shores Ontario	<b>U</b> Remotely Operated Vehicle (ROV) Reservoir Inspections	<b>L</b> Panel Discussion: "Shaking the Box" Emerging Trends in Public Works Leadership	<b>S</b> Accommodating Employees with Substance Abuse Issues	<b>S</b> Confined Space Rescue - What makes "cents"
3:50pm - 4:30pm	<b>PW</b> Tomorrow's Transportation Revolution: Implications for Communities	<b>U</b> Waterproofing Bolted Steel Reservoirs			
4:00pm - 6:00pm	Trade Show (Indoor & Outdoor at the Annex)				

## TUESDAY SEPTEMBER 18

7:00am - 8:00am	Breakfast (Ballroom)				
8:00am - 9:15am	WELCOME AND PLENARY SESSION <b>SUNPEAKS BALLROOMS</b> KEYNOTE PRESENTATION: <i>THINK, PLAN, ACT - how to create extraordinary results in work and life</i> by Hugh Culver				
9:15am - 9:35am	Coffee Break (Conference Centre Lobby)				
<b>LOCATION</b>	<b>SALON C</b>	<b>SALON D</b>	<b>ALPINE ROOM</b>	<b>SALON A</b>	<b>SALON B</b>
9:35am - 10:30am	<b>PW</b> Gaining a Natural Advantage: An Introduction to Natural Asset Management	<b>U</b> Organic Waste - The Trials and Tribulations of Turning Toxic Trash into Treasure	<b>L</b> 30/30 Respect and Violence in the Workplace	<b>S</b> Understanding Chemical Hazards: Working / Transporting / Disposing	<b>S</b> High Risk Strategies and Initiatives
10:30am - 10:45am	Room Change (Conference Centre Lobby)				
10:45am - 11:45am	<b>PW</b> Partnerships in Solid Waste Innovation	<b>U</b> Odour Control for Municipal Wastewater Collections and Treatment Systems	<b>L</b> What Can Organizations Expect After Cannabis Legalization?	<b>S</b> For Cause and For Prosecution Investigations - How Proof of Due Diligence is Your Friend	<b>S</b> Creating a Win/Win... Best Practices in Injury Management
12:00pm - 12:45pm	Lunch & Learn - WorkSafeBC Emerging Issues - One year after tragedy: reviewing effective management of ammonia (Ballroom)				
1:00pm - 2:00pm	<b>PW</b> Well Monitoring & Maintenance	<b>U</b> Excavation: How to safely excavate around regulated pipelines	<b>L</b> The "IT" Factor	<b>S</b> Contractor Safety Management	<b>S</b> What's happening with our industry for Confined Space
2:00pm - 2:30pm	Coffee Break (Conference Centre Lobby)				
2:30pm - 3:30pm	<b>PW</b> Road Rehabilitation Case Study	<b>U</b> BC Spill Response Regulations	<b>L</b> If you don't count YOU don't count - Parks Operations Optimization through Benchmarking	<b>S</b> Compassion Fatigue on the Front Line	<b>S</b> Don't Let Safety Become a Bully
3:30pm - 3:40pm	Room Change (Conference Centre Lobby)				
3:40pm - 4:40pm	<b>PW</b> Smart Cities Update	<b>U</b> Operations and Engineering: Working Together to Solve Water Treatment Issues	<b>L</b> From Bud to Boss: "So you want to be a Supervisor?"	<b>S</b> COV Integrated Approach to Working with Vancouver's Marginalized Community	<b>S</b> Are you at Risk of Exposure?

## WEDNESDAY SEPTEMBER 19 POST CONFERENCE TRAINING

8:00am - 4:00pm	JOHSC Fundamentals
8:30am - 12:00pm	Sun Peaks Wastewater Treatment Plant and Composting Site
8:30am - 12:00pm	Introduction to Becoming an Adaptable Supervisor
8:30am - 3:30pm	Water Quality - Preventing Waterborne Illness

All sessions, events, times, descriptions and locations are subject to change without notice.



SEPTEMBER 17, 2018

# monday sessions

6:45am - 7:45am  
BREAKFAST (BALLROOM)

7:45am - 9:30am

## Welcome Session

MONDAY KEYNOTE PRESENTATION:

### What if we have it all wrong?

Should the focus of preventing injuries be on the worker or on the system the worker finds themselves in? We keep blaming the worker, but maybe the problem lies elsewhere. Come hear about new ways to think of why injuries continue to occur to good people in spite of all our best efforts. Maybe we have it all wrong? Are you open to challenge yourself to think differently?

**SPEAKER: Dr. Louis Hugo Francescutti,**  
Physician & Storyteller

9:30am - 10:00am  
COFFEE BREAK & EXHIBITORS  
(CONFERENCE CENTRE LOBBY)

10:00am - 10:30am

### PW Plenary: Dealing with growth variations - from slow to mach 10 and faster

Rapid growth and development pressure is an issue that many local governments in BC are grappling with at this time. Sun Peaks is definitely a lightning rod for such activity. Most of the PWABC membership are "in the trenches" when it comes to reviewing, overseeing construction and then integrating all the new infrastructure and the service it provides for our communities. Come and learn about the challenges, lessons learned and future plans for Sun Peaks.

**SPEAKER: Al Rayne,** Mayor,  
Resort Municipality of Sun Peaks

10:30am - 11:30am

### PW System Risk Management Planning (SRMP) and Water Workforce Strategy (WWS)

The session will examine the context and participant experiences, including:

- The latest on the SRMP and WWS initiatives, and how they can benefit you in your role as a community water steward.
- How SRMPs use a cross-department, systematic, risk-based approach to create a collective, professional voice on water.
- How the WWS is dealing with the most pressing risk - loss of institutional knowledge with retirements, and fulfilling the need for a qualified and well-trained workforce.

**SPEAKERS: Stephen Horsman,** Opus International, **Tim Lambert,** Ministry of Health and **Mike Nolan,** Kerr Wood Leidal

10:00am - 11:30am

### S Impairment in the Workplace

Workplaces are seeing increasing numbers of aging workers, personnel with sleep disorder and many taking mind-altering prescription drugs. Now we are faced with medical marijuana. Many conditions like chronic pain, depression or even diabetes can interfere with workers' attention, coordination and cognitive function. Add to the mix the ten percent of employees with substance use disorders and we have unprecedented levels of workplace impairment, threatening performance and safety.

**SPEAKER: Ray Baker MD** (retired), Associate Clinical Professor UBC, National Recovery Advisory Committee

### S Safety Leadership

Today's safety leaders must hold themselves to important standards: Their Empowerment of Others, Their Service and Their Relationships. By understanding what is really going on beneath the surface of their workplace, those supervisors, managers and leaders can develop relationships with their employees, by listening to their needs, understanding their values and recognizing their motivations – always with a view to increasing safety at every turn.

**SPEAKER: Phil Eastwood,** Senior Partner, Fiore Group Training Inc.

# sunday

SEPTEMBER 16, 2018

11:30am - 6:00pm

Golf Tournament hosted by the Municipal Services Association. For more information, please go to: <http://msa-bc.org/>

3:00pm - 5:00pm

Social Event - Mountain Cross Carts

BCMSA Regular General Meeting

3:00pm - 8:00pm

Registration in the lobby of the Sun Peaks Grand Hotel

7:00pm - 8:30pm

Meet 'n Greet Social in the Sun Peaks Grand Hotel Salon A & B

# sunday socials

3:00pm - 5:00pm  
MOUNTAIN CROSS CARTS

A definite must-do activity when visiting Sun Peaks—and maybe the most exciting and exhilarating way to descend a mountain!

7:00pm - 8:30pm  
MEET 'N GREET SOCIAL IN  
CONFERENCE CENTRE SALON A & B

This is a wonderful chance to get to know your fellow delegates, meet the speakers, and your conference steering committee.

# monday

11:30am - 1:30pm  
LUNCH & TRADE SHOW  
(INDOOR/OUTDOOR AT THE ANNEX)

1:30pm - 2:30pm

## U The Power of a SCADA Master Plan: A City of Courtenay Case Study

The water and wastewater pumping and distribution stations in the City of Courtenay were previously operated independently with no overarching Supervisory Control and Data Acquisition (SCADA) system that tied the system together for a system-wide control, monitoring, alarming, and reporting. PBX Engineering collaborated with the City for the delivery of the SCADA system, commencing a Master Plan study and completing with the commissioning of the systems. This interactive presentation includes a case study examining the planning, development and deployment of the City's region-wide SCADA system and review of the obstacles. Delegates will experience a demonstration of the SCADA system using a number of tablet devices.

**SPEAKERS:** Rod Armstrong, Manager of Asset Management/Technical Services, City of Courtenay and Andrew Townend P.ENG, Principal & Senior Design Engineer, PBX Engineering

## PW Journey from Brownfield to Vibrant Town Center

The former public works yard was the centre of activity for the Township of Esquimalt for 67 years. The process of converting these lands from brownfield site to a vibrant downtown core has taken 20 years. This case study will identify the issues encountered as well as their solutions: offer information on how to avoid issues with scope of work, schedule and costs; and provide advice on defining roles.

**SPEAKER:** Jeff Miller, Director of Engineering & Public Works, Township of Esquimalt

## L Dealing with Difficult People: Risk Management Strategies and Tools for Public Works

Are your staff frequently confronted with unhappy or demanding residents who want answers immediately? Have you ever wondered whether your staff might be saying too much or saying the right things when speaking to members of the public? Municipal Insurance Association of BC will outline ways in which local governments can get themselves into hot water through communications with the public and illustrate the consequences by sharing stories of real claims. They will provide some risk management strategies and tools which you can pass on to your staff so they feel more confident and better prepared to handle difficult members of the public.

**SPEAKERS:** Samantha Boyce, General Counsel, Municipal Insurance Association of BC and Marina Sen, Insurance Services Coordinator, Municipal Insurance Association of BC

## S "Exposure Control Plans" in a Nutshell

So, what are these "plans"? When do we need them? How are they developed? What are we supposed to put in them? How do we know which ones we need? Those are all common questions and this session will help provide you the answers. Municipalities, whether big or small, have a wide variety of needs to protect workers from workplace exposure. We'll talk about what goes into these "micro programs", how to begin to design an ECP and look at hazardous materials, chemicals, process gases and biohazards that commonly need exposure control plans.

**SPEAKER:** Karren Kossey BSc., CRSP, President, Orca Health and Safety

## S Taking Action to Improve Psychological Health and Safety

A culture of understanding and acceptance of people with mental illness is the foundation to building psychologically healthy and safe workplaces.

Changing workplace behaviour starts with building an understanding of mental health and looking at what contributes to wellbeing. This presentation outlines ways we need to improve psychological health and safety at work and delves into why this is a priority for workplaces across the country. Participants will receive information about available low cost and free resources.

**SPEAKER:** Lucette Wesley, Canadian Mental Health of BC

2:30pm - 3:00pm  
COFFEE BREAK & EXHIBITORS  
(CONFERENCE CENTER LOBBY)





SEPTEMBER 17, 2018

# monday sessions

3:00pm - 3:40pm

**PW** Applications of StreetScan Technology in the City of Temiskaming Shores Ontario

Historically, smaller rural communities could not afford technology options to capture and analyze their road data. The City of Temiskaming Shores in Northern Ontario partnered with StreetScan to take advantage of new efficiencies in this field. This case study reviews their innovative approach to collect data on road and other assets; highlight advanced decision-making software used to provide data for budget decisions using historical data and complimentary data sets; and share information about how to qualify for an 80% grant up to \$50,000 from FCM for asset management.

**SPEAKERS:** Michelle Hjort, Director of Business Development, StreetScan Inc. and Doug Walsh, Public Works Director, City of Temiskaming Shores, Ontario

**U** Remotely Operated Vehicle (ROV) Reservoir Inspections

This is a technical session focused on how to maintain potable water reservoirs and overcome its challenges using Remotely Operated Vehicle (ROV) Inspection. This technology is now available to water suppliers and has made reservoir inspection challenges a thing of the past. Wayne will discuss the importance of inspecting and maintaining reservoirs and his expertise with this new affordable and time saving alternative.

**SPEAKERS:** Wayne Muzyka, Instructor, Maintenance Training System (MTS) Inc. and Shawn Sanders, Owner, Instructor, Maintenance Training System (MTS) Inc.

3:50pm - 4:30pm

**PW** Tomorrow's Transportation Revolution: Implications for Communities

Autonomous Vehicle (AV) technology is rapidly emerging and is poised to represent a US\$42 Billion global market by 2025. Over the next several years, industry analysts expect fully autonomous vehicles to be available for purchase with market adoption occurring over the next 30 years. To understand the scope of these changes, Urban Systems conducted a nation-wide public survey that generated over 700 responses. A wide-cross section of respondents, from large cities to rural areas, representing all adult age groups, provided insights on how they would use autonomous vehicles when they become available.

**SPEAKER:** Jeremy Finkleman, Transportation Planner / New Mobility Specialist, Urban Systems

**U** Waterproofing Bolted Steel Reservoirs

Duncan's 35 year old Steel Potable Water Reservoir is impacted by fire and is no longer holding water. The reservoir purpose is to supply water and maintain pressure and volume for fire supply. The challenge: how do you waterproof a forty-foot diameter bolted steel tank built in the 70's with an identified 240+ holes. In addition, the repair must maintain a long-term seal with continuous thirty-five feet of head pressure. Learn how new technologies utilizing both structural foam and polyurea linings can water proof even the most challenging problems.

**SPEAKERS:** Glenn Votkin, President, West Coast Grouting and Emmet McCusker, Director of Public Works, City of Duncan

3:00pm - 4:30pm

**L** Panel Discussion: "Shaking the Box" - Emerging Trends in Public Works Leadership

Today's Public Works Leaders (aka Grizzled Veterans) will compare, contrast and debate best practices and emerging trends in leadership, organizational strategy, succession planning, workplace culture, union / employer relations, effective communication, time, conflict and performance management as well as other related subjects in an effort to pass on some of their wisdom to up-and-coming "Young Pups."

**SPEAKERS:** Len Robson, Innova Strategy Group, Bob Smith, District of Squamish, Pat Miller, Sun Peaks Resort Municipality and Nikii Hoglund, City of Colwood

**S** Accommodating Employees with Substance Abuse Issues

Workers who misuse substances often come to the attention of employers after an accident or their attendance, performance or behaviour becomes a problem. Management and unions find themselves facing difficult issues.

Employers are not entitled to diagnosis and treatment of employees, yet are expected to manage these workers while facing liability if safety is jeopardized.

**SPEAKER:** Ray Baker MD (retired), Associate Clinical Professor UBC, National Recovery Advisory Committee

**S** Confined Space Rescue - What makes "cents"

Whether you are located in a major city or a remote area, an employer is 100% responsible for providing rescue from a confined space. Rescue resources must be effective for the duration of the entry, appropriate for the work tasks and as well as all foreseeable incidents, including medical emergencies. This session will explore what is effective and some common sense cost effective approaches to providing the necessary rescue services.

**SPEAKER:** Jason Hindson BSc., CRSP, CHSC Senior Project Manager, Orca Health and Safety

4:00pm - 6:00pm  
TRADE SHOW (INDOOR/OUTDOOR AT THE ANNEX)

Many local and national suppliers will be displaying their products and services for you. This is an excellent opportunity to ensure you are current with the most recent developments and solutions for your workplace.

7:00am - 8:00am  
BREAKFAST (BALLROOM)

8:00am - 9:15am

TUESDAY KEYNOTE PRESENTATION:

### THINK, PLAN, ACT - how to create extraordinary results in work and life

It is possible to survive, even excel, in our new Age of Distraction – but only if you change how you Think, Plan, and Act. Based on his bestselling book, Give Me a Break, Hugh Culver's high-energy keynote is perfect for busy people with To-Do lists that never end. Consistently voted as "best of the event", Think, Plan, Act challenges audiences to rethink what it means to be "effective" and how to create real results and a rich life. Part motivational, part instructional, and part challenging, this content-rich keynote presentation is an exciting experience for any audience.

Three powerful lessons:

- THINK – changing your results starts by changing your story. This life-changing lesson continues to impact chronic procrastinators, frustrated leaders, and overwhelmed employees.
- PLAN – interruptions are inevitable – poor planning shouldn't be. Learn how to Plan Like A Pilot and work from a Flight Plan that can literally create time.
- ACT – discover how better habits improve willpower, resilience, productivity, and results. Learn how to build a new habit and make it "sticky" with better rewards.

**SPEAKER:** Hugh Culver, Speaker, Author, Coach - Marathon Communications

9:15am - 9:35am  
COFFEE BREAK  
(CONFERENCE CENTRE LOBBY)

9:35am - 10:30am

### Understanding Chemical Hazards: Working / Transporting / Disposing

Are you aware of the chemical hazards around you? Do you have clear work procedures to handle chemicals? When you are shipping/transporting chemicals or waste do you and your municipality know the laws? This seminar will guide you to understanding WHMIS 2015, TDG, and Waste Management as it applies to your workplace.

**SPEAKER:** Kevin Swinden, President, Global Hazmat

### Organic Waste - The Trials and Tribulations of Turning Toxic Trash into Treasure

Pressure to reduce waste production and increase the use of substances that were traditionally viewed as waste is increasing. The use of some of these materials (e.g. yard waste) is more socially acceptable than others (e.g. sludge/biosolids). Unfortunately, the sludge/biosolids aspects continue to become more complicated with the drive for higher effluent quality being confounded by the lack of desire for land application. Organic wastes are often viewed separately, but streamlining is possible through co-treatment. This presentation will explore the issues related to different organic wastes, unravel some myths and misunderstandings related to sludge/biosolids, and provide direction as to the pathways for turning these wastes into resources.

**SPEAKERS:** Dr. Joanne Quarmby, R.P.Bio Urban Systems and Pat Miller, Public Works Manager, Sun Peaks Mountain Resort Municipality

### 30/30 Respect and Violence in the Workplace

This session will provide two 30 minute high-level topics:

1. Respectful Conduct in the Workplace explores the importance of positive working relationships and provides tools and tips to create standards of acceptable behaviour, to foster a respectful workplace environment, and to effectively deal with workplace conflict as it arises.
2. Prevention of Workplace Violence explores the spectrum of workplace violence, focusing on ways to identify the potential for workplace violence, how to defuse it, and how to create a safe and effective response. All employees have the right to a workplace that is free from violence, threats, and harassment.

**SPEAKER:** Phil Eastwood, Senior Partner, Fiore Group Training Inc.

### High Risk Strategies and Initiatives

WorkSafeBC'S High Risk Strategies identify and target industries and employers with a high risk of serious workplace injury and a significant contribution to the serious injury rate. Based on the incidence of serious injuries and work-related deaths, the High Risk Strategies include four industry sectors: construction, forestry, health care, and manufacturing. Collectively, the High Risk Strategies are designed to reduce the serious injury rate through implementation of risk-reduction tactics directed towards high-risk work activities. The primary role of the High Risk Strategies is to identify categories of serious injuries and to develop planned approaches to effect change, thereby reducing the risk of serious injuries. Each strategy focuses prevention initiatives on identified areas of high risk in order to apply resources and effort where they will be most effective.

WorkSafeBC's Industry Initiatives identify additional sectors and subsectors, outside of the High Risk Strategies, with a high risk of serious workplace injury and significant contribution to the serious injury rate. Of the twelve industry initiatives identified for 2018, the following are relevant to the Municipal sector:

- Asbestos – commercial
- Asbestos – residential
- Lead, silica sensitizer, solar, and welding fumes
- Confined space
- Bullying, harassment and discrimination

**SPEAKER:** Prevention, WorkSafeBC

### Gaining a Natural Advantage: An Introduction to Natural Asset Management

Could low-cost, sustainable infrastructure solutions be all around us? Could forests provide water purification services? Could wetlands offer stormwater management services? For a growing number of leading-edge governments, the answer is yes, and the Municipal Natural Assets Initiative (MNAI) is helping Canadian municipalities to seize this potential. MNAI is helping to change the way municipalities deliver everyday services, increasing the quality and stability of infrastructure at a lower cost and reduced risk. In doing so MNAI offers a solution to the twin problems of aging infrastructure and ecosystems decline facing many, if not all, Canadian municipalities.

**SPEAKERS:** Daniel Tardif and Roy Brooke



SEPTEMBER 18, 2018

# Tuesday sessions

10:30am - 10:45am  
ROOM CHANGE  
(CONFERENCE CENTRE LOBBY)

10:45am - 11:45am

## U Odour Control for Municipal Wastewater Collections and Treatment Systems

This presentation will compare and contrast various methods for control of fugitive odorous gases in municipal wastewater collection systems and wastewater treatment plants and will present a case study from the District of Squamish on a recently completed in-house, supplier supported odour study and control project. Technologies reviewed will include: biological odour control methods and applications; physical odour control methods and applications; chemical odour control methods and applications; odour study methods, applications and best practices.

**SPEAKER:** Ben Kineshanko, Technical Operations Manager, District of Squamish and Mark Carey, Technical Sales Representative, Waterhouse Environmental and Ray Porter, Odotech

## PW Partnerships in Solid Waste Innovation

Case study of the new solid waste program introduced at the City of Nanaimo and a review of other innovative programs across Canada in small and large municipalities. Includes group polls, video clips and samples.

**SPEAKERS:** David Thompson, City of Nanaimo and Sean Kawakami, Environmental Representative, Western Canada, Rehrig Pacific Corporation

## L What Can Organizations Expect After Cannabis Legalization?

With the impending legalization of marijuana in Canada, what do organizations need to consider? How will the workplace be affected by both recreational and medical marijuana? What are the implications? This session will also provide individuals the opportunity for questions and answers.

**SPEAKER:** Tom Brocklehurst, Director of Prevention Practices and Quality, WorkSafeBC

## S For Cause and For Prosecution Investigations – How Proof of Due Diligence is Your Friend

This session will highlight the two types of WorkSafeBC investigations that may arise should there be a fatality or serious injury at your worksite and what these mean for you. We will also look at when these cases may be subject to criminal prosecution. Finally, the defence of due diligence will be examined, how to prove it, and the important role and responsibilities of supervisors.

**SPEAKER:** Kim Fournier, BA, LLB, Manager, Law and Policy, Employers' Advisers Office

## S Creating a Win/Win... Best Practices in Injury Management

The length of absence after an injury affects the probability of workers returning to work – at all. This session will highlight the steps employers, supervisors and unions can take to help workers have a safe, early return to work. Learn about the claims process at WorkSafe and what you can do to impact claims durations.

**SPEAKER:** Vincent Russell, Director, Strategic Engagements, WorkSafeBC

12:00pm - 12:45pm  
LUNCH & LEARN - WORKSAFEBC  
EMERGING ISSUES (BALLROOM)

There are potentially devastating consequences to workers and communities if safety risks are not appropriately addressed by owners/operators and other stakeholders including municipalities and regulators. Reviewing and addressing current trends is a key step in WorkSafeBC's efforts to apply a risk based approach to regulating the workplace.

## One year after tragedy: reviewing effective management of ammonia

In this session WorkSafeBC will look at risk management as it pertains to ammonia handling. What steps should be taken to identify and mitigate the risks? How can leadership and internal responsibility systems help shape the effective control of this toxic gas?

**SPEAKERS:** Gordon Harkness, Manager Risk Analysis Unit and Steve Tye, Occupational Hygiene Officer, WorkSafeBC



# Tuesday

1:00pm - 2:00pm

## U Excavation: How to safely excavate around regulated pipelines

This session will cover the regulatory requirements for excavation and highlight common mistakes made by excavation professionals. We will also explain what permits are required before you excavate, who and when to contact at each company before you dig, how to locate works, how the BC One Call works, what regulations you need to know to be compliant with law, how to avoid penalties and what to do in case of emergency. This is an interactive session and further resources on excavation safety will be offered to everyone in attendance.

**SPEAKERS:** **Ian Turnbull**, Damage Prevention & Emergency Services Manager, FortisBC and **Marty Shredwick**, Trans Mountain Pipeline, Kinder Morgan

## PW Well Monitoring and Maintenance

This is a practical session focused on: well mechanics and construction; data collection for predictive maintenance; and maintenance options. Bring your questions and come share your experiences.

**SPEAKERS:** **Ron Nelson**, Precision Service & Pumps

## L The "IT" Factor

Have you ever watched someone and thought they have the "it factor" or, "they are a natural"? We look at people like George & Amal Clooney, do they have the "it factor"? Why? Because they are good-looking? Lots of people are good-looking. What about Meghan Markle, who is now the Duchess of Sussex? On paper, she had everything in life going against her, yet she has the "it factor". What would the "it factor" give you if you had it? Can it make life exciting, make you successful, make you more money, give you purpose, be happy? Yes! In this session, we will discuss what the "it factor" is and what are the steps to get it. Come and find your "it factor". Let's explore together, how you can make small changes, with great impact, so you can live your best life at home or at work.

**SPEAKER:** **Tanya Steele** NCSO, (R)CSO, CHSC, Professional Instructor and Speaker

## S Contractor Safety Management

The purpose of this session is to gain an understanding of how municipalities, Boards, Libraries, Commissions and contractors have a responsibility to ensure work is performed safely and according to WorkSafeBC legislation. The principles introduced in this course can assist in establishing due diligence for all employers.

**SPEAKER:** **Peter T Ficzyzc**, CIH, CRSP Pallas Athene Consulting Inc.

## S What's happening with our industry for Confined Space

Right now is an extremely important time for our industry when it pertains to Section 9 Confined Space of the regulation. Come learn about all the work we are doing to ensure our voices are heard for our industry.

**SPEAKER:** **Barry Nakahara**, Manager Prevention Field Services, WorkSafeBC and **Nela Graham**, MSc, Supervisor, Occupational Health and Safety, Metro Vancouver and BCMSA President

2:30pm - 3:30pm

## U BC Spill Response Regulations

British Columbia has a greater ability to prepare for, respond to, and recover from environmental emergencies with the introduction of the first phase of regulations strengthening the Environmental Management Act (EMA). The Division 2.1 Spill Preparedness, Response and Recovery regulations came into force as of October 30, 2017. The Ministry of Environment and Climate Change Strategy will review these changes and the development of further enhancements to spill regulations.

**SPEAKER:** **Ben Vander Steen**, Manager of Planning & Preparedness, Ministry of Environment and Climate Change Strategy and **Kandis Lipsett**, Senior Environmental Emergency Response Officer

## PW Road Rehabilitation Case Study

A local BC case study of 101 Avenue and 197 Street in Langley will be presented to highlight a road rehabilitation project and the roadway stage of deterioration along with a new engineered solution.

**SPEAKERS:** **Robert Forylow**, Director of Quality, Western Canada, Lafarge Canada and **Mike Darby**, Operations Manager, Greater Vancouver and **Mike Duynstee**, Roads Operations Superintendent, Township of Langley

## S Compassion Fatigue on the Front Line

A wide variety of workers are at risk for various trauma and cumulative stress, which shows up as sick time, leaves of absence and worker's compensation claims. In this session we will learn how stress and trauma affect people over time, and what can be done to build resiliency and prevent harm.

**SPEAKER:** **Lucette Wesley**, Canadian Mental Health of BC

2:00pm - 2:30pm  
COFFEE BREAK  
(CONFERENCE CENTRE LOBBY)



2:30pm - 3:30pm continued

**S** **Don't Let Safety Become a Bully**

Do you find that you have to bully people into safety through training? Do you want to learn how to turn training sessions from "Do as I say" sessions into sessions that actually change behavior and beliefs about safety? Are your training sessions effective? Do workers find them a waste of time? Imagine a world of creating a learning environment so spectacular that a worker becomes passionate about safety. Discover proven instructional techniques that will make your training session interactive, interesting, and fun. Safety will become something workers want to do, instead of being bullied into it.

**SPEAKER:** Tanya Steele NCSO, (R)CSO, CHSC, Professional Instructor and Speaker

**L** **If you don't count YOU don't count - Parks Operations Optimization through Benchmarking**

This presentation is for managers who have parks operations and planning as part of their portfolio where it is not their main area of expertise. Topics include a framework of policy and plans for each organization, benchmarking and best practices with examples from various BC municipalities. Specific examples include washroom provision, approaches to infrastructure planning for parks assets, reviewing our overall knowledge of our parks assets in terms of inventory and condition and discussing where we should start for those considering benchmarking.

**SPEAKERS:** Chris Rutherford, Yardstick Benchmark Project Director, Xyst Ltd and Tim Neufeld, Manager of Park Development Services, City of Surrey

3:30pm - 3:40pm  
ROOM CHANGE  
(CONFERENCE CENTRE LOBBY)

3:40pm - 4:40pm

**U** **Operations and Engineering: Working Together to Solve Water Treatment Issues**

The presentation will also examine a case study from the Blueberry First Nation Treatment Plant and how Operations worked with Engineering to resolve a very difficult treatment issue that faced their facility.

**SPEAKERS:** Robyn Sherstobitoff, P.Eng. Associated Engineering Ltd. and Freda Leong, Associated Engineering Ltd.

**PW** **Smart Cities Update**

Learn about which projects were funded and how these projects are progressing to improve the lives of residents in various municipalities across BC through innovation, data and connected technology. 130 eligible applications were received from communities across Canada. Karen helped numerous municipalities across Canada review and improve their smart communities, open data, GIS, asset management and public works strategies and she will provide an update on the key trends and issues that have emerged from this competition.

**SPEAKER:** Karen Stewart, ASCT, GISP, Municipal Solutions Manager, Esri Canada

**L** **From Bud to Boss: "So you want to be a Supervisor?"**

A discussion on the key competencies that management look for in staff who aspire to progress in their careers. Seniority and a sense of entitlement should not and do not guarantee promotion in today's work environments. Retired Supervisors who may have held positions for 10, 20 or even 30 years may not themselves have the skill set required to meet the new demands that are placed on front line supervisors in today's work environment. Supervisors have the difficult task of getting the most out of their union brothers and being accountable to the employer to support a safe, efficient and loyal workforce.

**SPEAKER:** Brian Robinson, Manager of Public Works and Parks, Town of Sidney

**S** **COV Integrated Approach to Working with Vancouver's Marginalized Community**

The City of Vancouver is facing a steadily growing and complex social crisis. Park Rangers are front line responders to many who choose to sleep in parks. Over the last 5 years we have learned some valuable lessons.

From sleeping under a playground to a homeless tent city at Oppenheimer Park, the same safe operating procedures apply. Reaching operational objectives requires that several city departments respond together.

**SPEAKERS:** Chad Cowles, Supervisor of City-Wide Services and Stacey Carter, Lead Park Ranger, City of Vancouver

**S** **Are you at Risk of Exposure?**

Municipal workers are exposed to a variety of airborne contaminants and must have a good understanding of the hazards of these contaminants and which situations may be higher risk than others. This session will provide an awareness about the health hazards of asbestos, lead, mould and silica, and will discuss relative exposure risks in a variety of scenarios that municipal workers may encounter.

**SPEAKER:** Peter T Ficzyz, CIH, CRSP Pallas Athene Consulting Inc.

*tuesday evening*

6:00pm - 7:00pm  
**COCKTAIL RECEPTION**  
Conference Centre Foyer

7:00pm - 9:30pm  
**AWARD BANQUET**  
Sun Peaks Ballroom  
Presentation of awards by the PWABC and the BCMSA. Bursary presentation from the Municipal Services Association.

# wednesday

## post conference events

SEPTEMBER 19, 2018 - OPTIONAL

8:00am - 4:00pm

### JOHSC Fundamentals

Members of Joint Occupational Health and Safety Committees, or worker health and safety representatives, must receive eight hours of training in specific topics, within the first six months of taking on their new role.

JOHSC Fundamentals has been designed by WorkSafeBC and amended by the BC Municipal Safety Association to meet the needs and specific responsibilities within the municipal sector. Participation in this one day training program will fulfil the requirements under OHS Regulation 3.27 as amended April 3, 2017.

Course objectives: At the completion of this full day course, participants will be able to:

- Define the duties and functions of a joint committee
- Discuss and create rules of procedure of the joint committee
- Explain the requirements regarding incident investigations
- Explain the requirements regarding worksite inspections
- Identify requirements and procedures regarding refusal of unsafe work
- Complete an annual evaluation of joint committees

**INSTRUCTOR:** Cathy Cook, Safe Harbour Consulting Ltd.

8:30am - 12:00pm

### Sun Peaks Wastewater Treatment Plant and Composting Site

Transportation: Via Carpool. Please meet in the lobby of the Sun Peaks Grand by 8:15am. Please bring your vehicle if possible. Each site is within 5 minutes of the Grand Hotel.

Waste Water Treatment Plant - Sun Peaks Utilities collects via a gravity collection system and then treats all the wastewater for the resort community of Sun Peaks. Sun Peaks Utilities' Wastewater Treatment Facility uses a Biological Upward Flow Sludge Blanket Filtration design (USBF - modified activated sludge process) to treat all the wastewater prior to discharging the treated effluent to Rapid Infiltration Basins. Pat will also provide an update on the liner replacement project that is currently in progress.

Composting - The wasted treated bio-mass from the treatment process is dewatered and then composted using an In-Vessel process with pine wood chips as the carbon source. A Class A compost has been in place since August 2012. At this time, only the wasted bio-mass is being composted. The In-Vessel Composting System does have the ability to take other waste products and turn them into compost sometime in the future.

**HOSTED BY:** Pat Miller, Public Works Manager, Sun Peaks Mountain Resort Municipality

8:30am - 12:00pm

### Introduction to Becoming an Adaptable Supervisor

What do the US Military and Google have in common? Both understand the number one indicator of success is our ability to be adaptable and resilient in a busy and changing world. These organizations train their employees to enhance their mental strength, and now you have the opportunity to do the same.

Grounded by neuroscience and supported by research, in this mini-workshop you will learn why adaptability and resilience is a vital skill and how you can develop skills to more effectively navigate challenges, manage stress, build resilience and thrive. Come with an open, curious mindset, ready to explore some new and thought-provoking activities to enhance your adaptability as a supervisor.

Coffee & participant workbook included.

**INSTRUCTOR:** Christina Nikiforuk, Liberate Leadership

8:30am - 3:30pm

### Water Quality - Preventing Waterborne Illness

Individuals who work around water supply intakes, pipes and treatment plants would benefit from this course, which is designed to emphasize the multi-barrier approach to the provision of safe drinking water.

After completing this course, you will be able to:

- Understand the responsibility of operators with regards to safe drinking water
- Recognize pathogen risks
- Treat hazards with treatment technologies
- Plan for emergencies and unexpected events

**HOSTED BY:**  **BCWWA**  
BC WATER & WASTE ASSOCIATION

**INSTRUCTOR:** Norm Clarkson, (retired) Chief Health Inspector / Manager for the Health Protection Services, Public Health

# registration

REGISTRATION FEES	
EARLY BIRD (FIRST 100 REGISTRATIONS)	<b>*** SOLD OUT ***</b> \$695 PLUS GST
FULL CONFERENCE	\$795 PLUS GST
MONDAY ONLY	\$399 PLUS GST
TUESDAY ONLY	\$399 PLUS GST
STUDENT - REGISTRATION BY PHONE CALL TO ASHIFA AT 604-880-8585	\$99 PLUS GST
POST CONFERENCE SESSIONS	
JOINT OCCUPATIONAL HEALTH & SAFETY COMMITTEE (JOHSC) FUNDAMENTALS COURSE	\$150 PLUS GST
TOUR SUN PEAKS WASTEWATER TREATMNT PLANT AND COMPOSTING SITE	\$45 PLUS GST
INTRODUCTION TO BECOMING AN ADAPTABLE SUPERVISOR	\$120 PLUS GST
WATER QUALITY - PREVENTING WATERBORNE ILLNESS	\$299 PLUS GST

Register online: <https://events.ely.com/2018AnnualConference>

**Note: session selection is not required**

Pay at time of registration or request an invoice.

## Questions?

If you have any questions:

Phone: 604-880-8585

Email: [executivedirector@pwabc.ca](mailto:executivedirector@pwabc.ca)

## Cancellation & Refunds Policy

If you need to cancel your registration, refunds less a \$100 cancellation fee are available until August 17, 2018. No refunds after this date.

# Thank you to our sponsors!

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*coffee break*



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