



**BC Forest Safety**

**EVERY  
WORKER**  
DESERVES TO  
GO HOME **SAFE**  
EVERY DAY



**2018 ANNUAL REPORT**  
**BC FOREST SAFETY COUNCIL**







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# MESSAGE FROM THE CHAIR

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My first nine months as your Board Chair have been rewarding and challenging. After many years of sustained effort and with the support of the BCFSC the industry is achieving a reduction of both injuries and fatalities. Regrettably we experienced 3 transportation related fatalities in harvesting during 2018. While this is a significant reduction from the 10 fatalities recorded in 2017 it is evidence that there is still much left to do. One death is too many. I am encouraged by the leadership, commitment, collaboration and focused effort toward our collective goal of zero. Every worker must go to work and return home safe at the end of every day.

This annual report highlights current BCFSC activities as well as where opportunity exists for new projects and programs to better support industry. It is important that I highlight the contribution of the many industry safety working groups. These advisory groups are made up of dedicated people in harvesting and manufacturing who provide their time and expertise that enables the BCFSC to build better programs for industry. Thank you to every individual involved for all your effort and commitment.

A highlight for me in 2018 was witnessing the high level of collaboration, teams working together with a common interest around safety and Industry alignment with WorkSafeBC on high risk strategies and joint technical working groups in both Harvesting and Manufacturing. This is the power of many minds and many hands making the best, most strategic decisions around safety for our industry. Together we are smarter, stronger and safer.

Getting to zero is not only possible, but I believe achievable with the continued commitment of everyone in industry and the support provided by the BCFSC.

My sincere thanks to everyone in industry who gives tirelessly of their time and expertise to develop and share safety solutions across our industry sectors. And, to my fellow board members and to all the staff, contractors and others at the BCFSC, thank you for your continued dedication and commitment to safety.

A handwritten signature in blue ink that reads "Dave".

**Dave Lehane** Chair, Board of Directors  
BC Forest Safety Council April 2019





**"THANK YOU FOR YOUR DEDICATION AND COMMITMENT TO SAFETY."**





# MESSAGE FROM THE CEO



Over the last two years, the forest industry has continued to demonstrate new levels of self-improvement in worker safety. In 2017, the overall harvesting injury rate was 4.7 which is the second lowest injury rate on record.

The injury rate for manual tree falling was 22.7 in 2017 and also represents the second lowest injury rate on record behind 2009's rate of 18.8. While still very high, industry's continued focus on manual tree falling is generating positive results. (Note: 2018 injury data is expected in June 2019.)

In 2018, there were three direct harvesting work-related deaths. While this number represents the lowest number of work-related deaths on record, it also represents three individuals that did not make it home to their families. What these improvements demonstrate is that getting to zero work-related deaths is achievable.

The critical mass culture change point in the BC industry is now being reached to where discussion on the importance of reducing injuries to improve business results and to attract new employees occurs regularly in industry leadership and association meetings. The integration of injury reduction with good business process is also occurring. These efforts support the principle that injury prevention is most effective when the overall industry owns and leads the change.

Looking ahead in 2019, the BCFSC will again be focusing its efforts on WorkSafeBC's high risk strategy areas of log hauling, manual tree falling and tree planting activities. Between 2013 and 2018, the first two activities - log hauling and manual tree falling - accounted for 60% of the total number of work-related deaths (26) and 50% of the total number of serious injuries in 2017.

In 2019 the Harvesting sector will see the implementation of many new competency-based occupational assessment and training programs that industry and the BCFSC have been working on for the past three years. The competency training and assessment program has been designed to ensure we have consistently trained, qualified and competent workers picking up chainsaws, driving log trucks, operating machinery and implementing newer and more advanced technologies in increasingly challenging terrain both in the interior and on the coast.

In manufacturing we have seen some significant safety developments in 2018, including consistently strong dust management and containment performance, and improved incident data gathering and sharing in a way that allows us to explore leading rather than lagging indicators. In addition to the establishment of an industry forum with labour and WorkSafeBC, industry has received funding and support from WorkSafeBC to test and deploy some of the world's best alternates to lock-out for safeguarding applications.

Continued collaboration between the BCFSC, all the industry safety working groups, WorkSafeBC and FPIInnovations will continue as the broader the collaboration, the better the outcomes.

I would like to thank you for your personal and industry's collective efforts to ensure that everyone goes home safe at the end of every workday.

A handwritten signature in black ink, appearing to read 'Rob Moonen'.

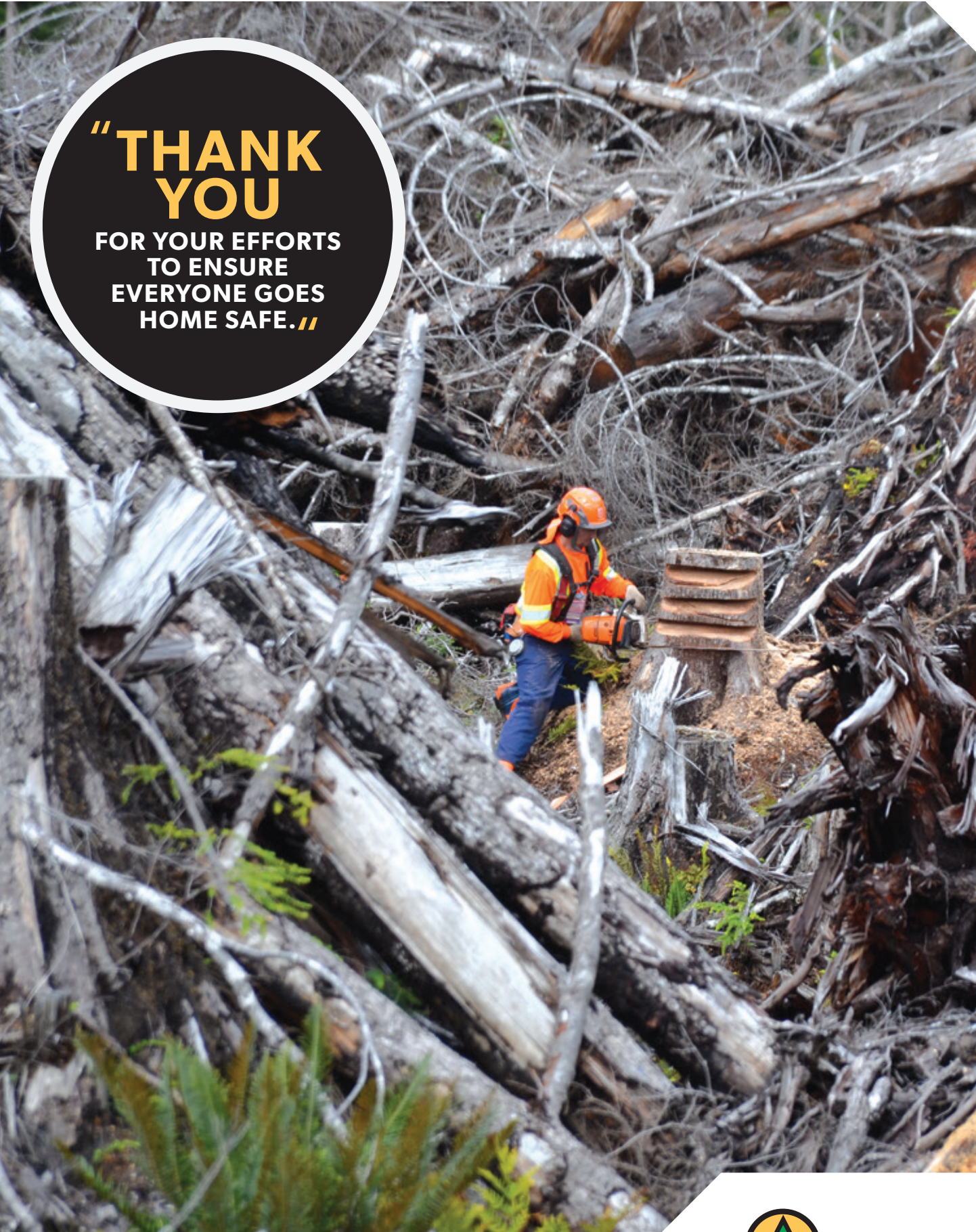
**Rob Moonen** Chief Executive Officer  
BC Forest Safety Council April 2019





**"THANK YOU**

**FOR YOUR EFFORTS  
TO ENSURE  
EVERYONE GOES  
HOME SAFE. //**





# WHO WE ARE

1



## THE BCFSC WORKS WITH:

- forest sector employers
- workers
- unions
- contractors
- provincial government agencies

to support the forestry, sawmill and pellet manufacturing industries in implementing changes necessary to eliminate fatalities and serious injuries.

The **BC Forest Safety Council (BCFSC)** is a not-for-profit health and safety association that provides services to over **5,000** employers and approximately **40,000** workers.



< OVER **5,000** EMPLOYERS



< APPROXIMATELY **40,000** WORKERS

The organization is funded by industry through WorkSafeBC annual assessments and is governed by a Board of Directors, representing all sectors of the industry.





## OUR KEY BELIEFS

- All forestry fatalities and injuries are preventable
- The safety of forestry workers is an over-riding priority
- Safety excellence is key to the long-term success of our industry
- Injury prevention is most effective when the overall industry owns and leads the change
- Safety is good business.

## OUR HISTORY

The creation of the BCFSC, and its initial focus and tasks, were set out in the report (2004) of the Forest Safety Task Force, which created a comprehensive strategy to improve safety in the BC forest sector.

The values, beliefs and commitments that form the basis of the BCFSC and its work are set out in the Forest Safety Accord.

## THE FUTURE

The BCFSC will continue to work with all stakeholders on safety solutions, with an increased focus on technological and other innovations.

We will actively seek opportunities for partnerships to achieve industry-wide innovative applications that improve safe performance.

Our core focus remains unchanged: to see every worker return home safely.



Photo by: Camfor



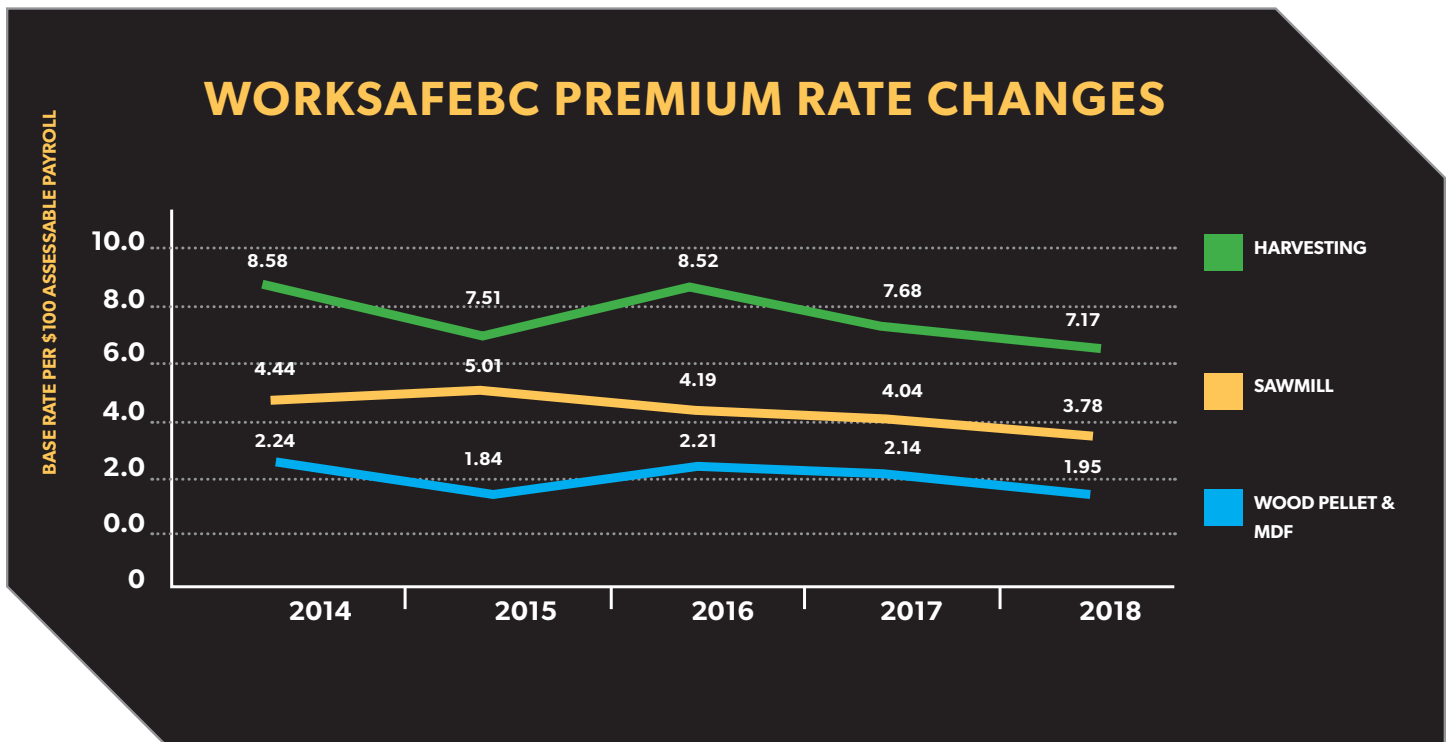


# INDUSTRY STATISTICS & TRENDS

## 2



Photo by: Confor



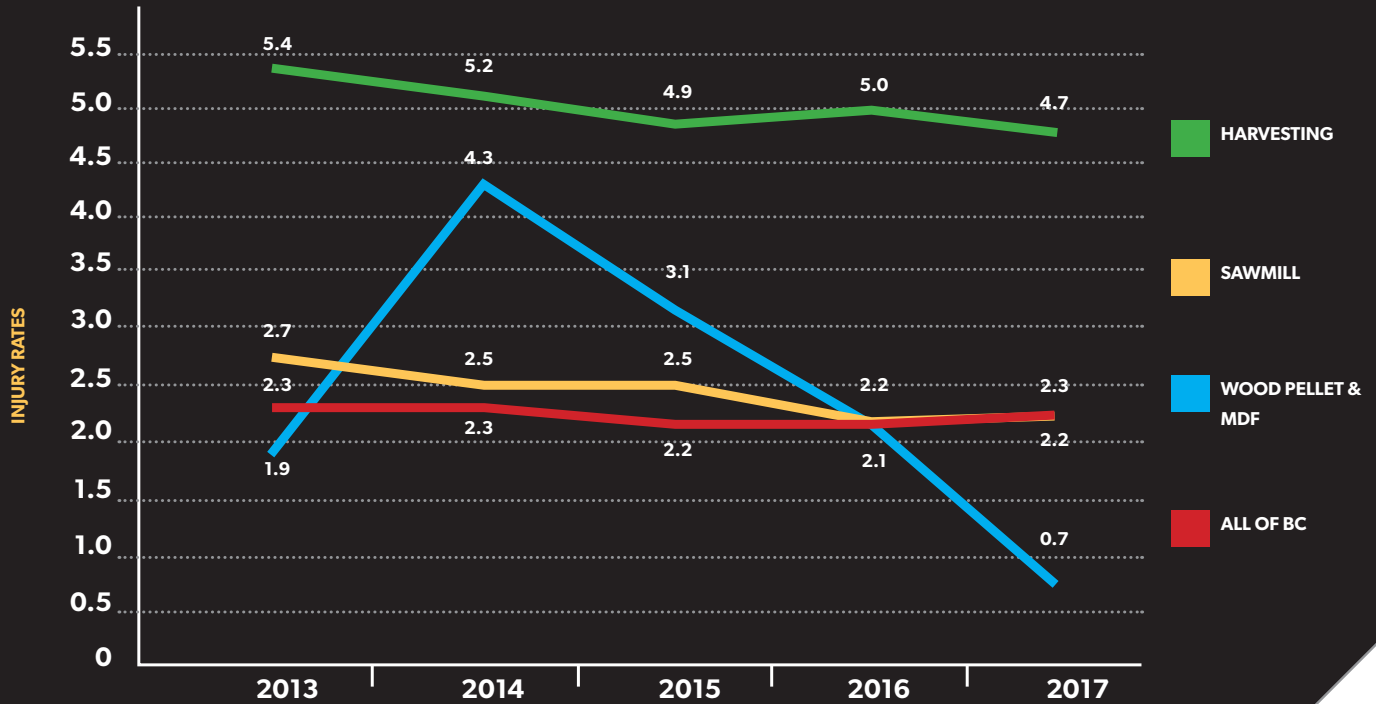
Overall, since 2014, the harvesting sector has seen an average premium rate decrease of 16.0 percent. That translates into more than \$21.7 million in premiums avoided — money that forestry companies and contractors have been able to reinvest into their businesses.

The sawmill and wood pellet and MDF sectors experienced premium rate decreases of 15.0 percent and 13.0 percent, translating into \$6.4 million and \$121 thousand in premiums avoided.





## INJURY RATES HAVE DROPPED 13% IN FOUR YEARS



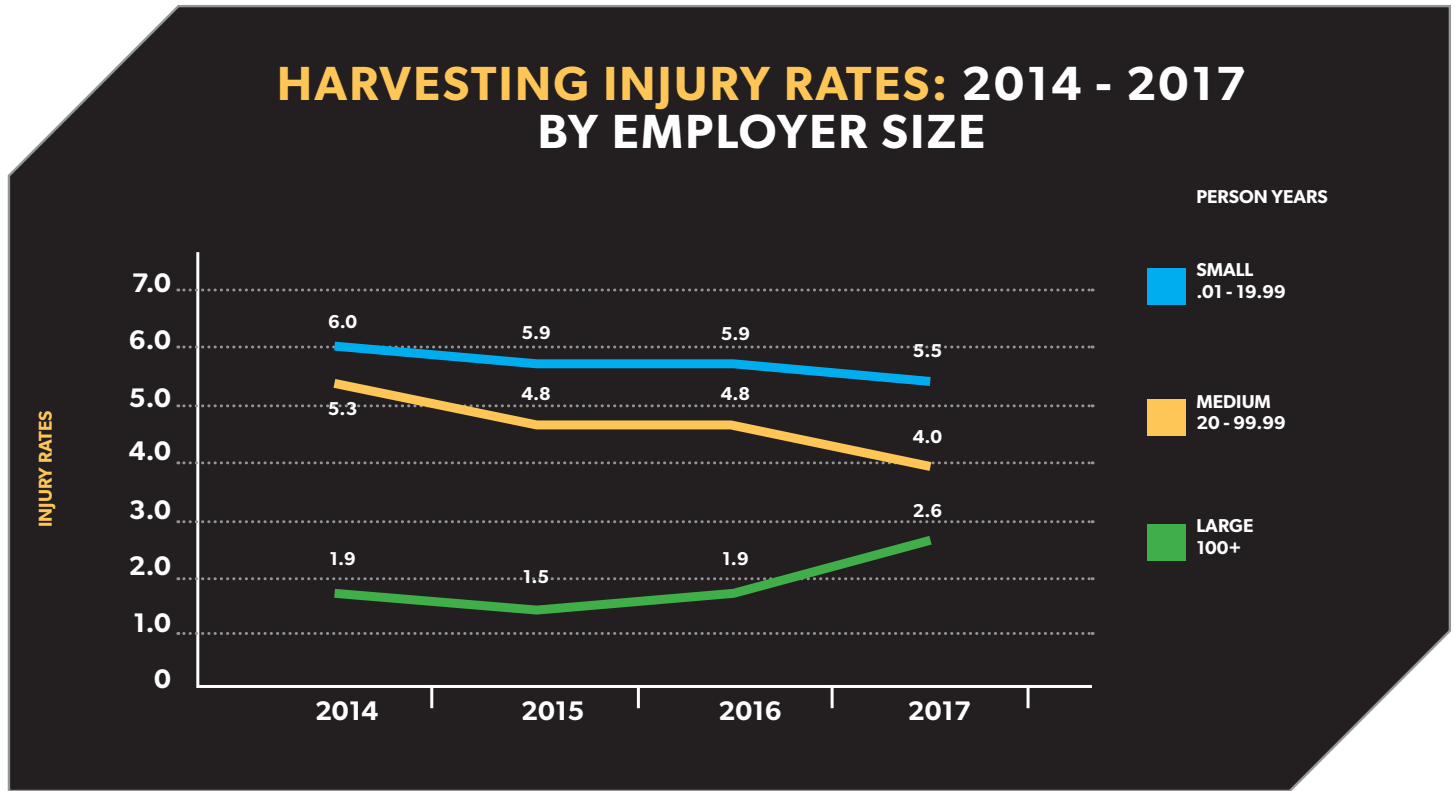
The harvesting injury rate, while still higher than the overall BC average, dropped 13.0 percent between 2013 and 2017. The sawmill and wood pellet and MDF sectors are near or below the overall BC average and experienced reductions of 15.0 percent and 63.0 percent respectively over the same time period.

**“ Our core focus remains unchanged: to see every worker return home safely. ”**





# INDUSTRY STATISTICS & TRENDS



**“ BCFSC Falling Safety Advisors conducted 449 advocacy visits with fallers. ”**

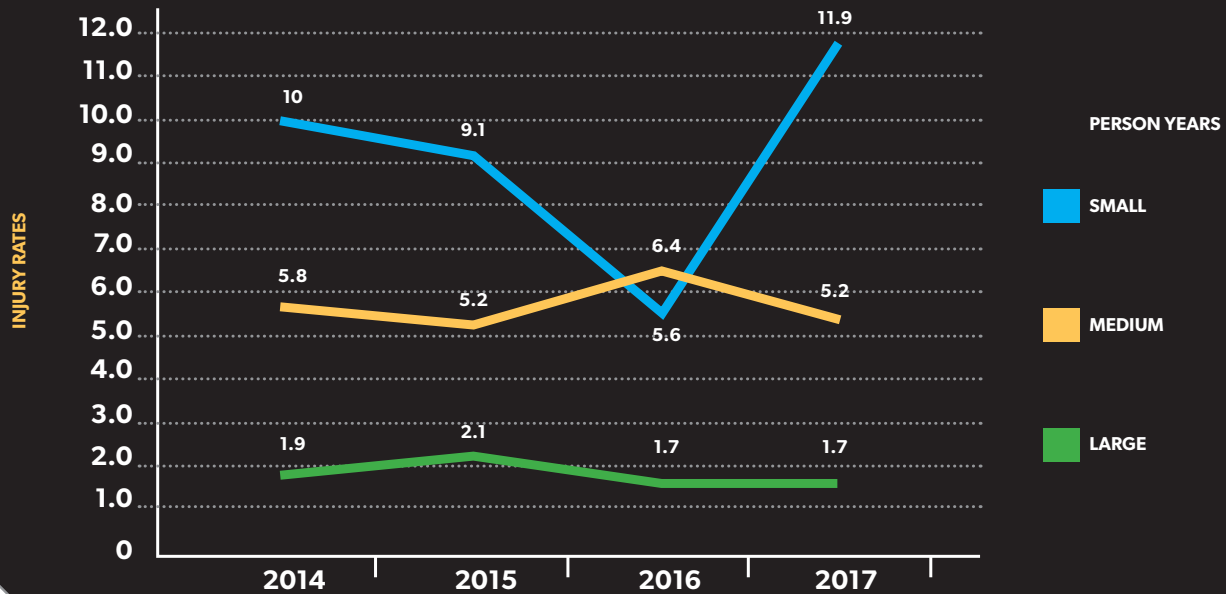
Small and medium size harvesting employers in BC experienced higher injury rates in comparison with larger employers, typically with more comprehensive safety programs and controls in place. While rates are trending down with small and medium sized employers, small employer injury rates are more than double when compared to large employers and medium sized employers have over 1.5 times higher injury rates than large employers. 95 percent of the employers in the harvesting sector are small employers with the majority of small employers having five or fewer employees.

To address the specific needs of small employers, BCFSC continues to focus on working with small employers. In 2018, BCFSC conducted 356 in-field visits with small employers across the province to review and confirm small employers have effective and practical safety programs in place. In addition, BCFSC Falling Safety Advisors conducted 449 advocacy visits with fallers.



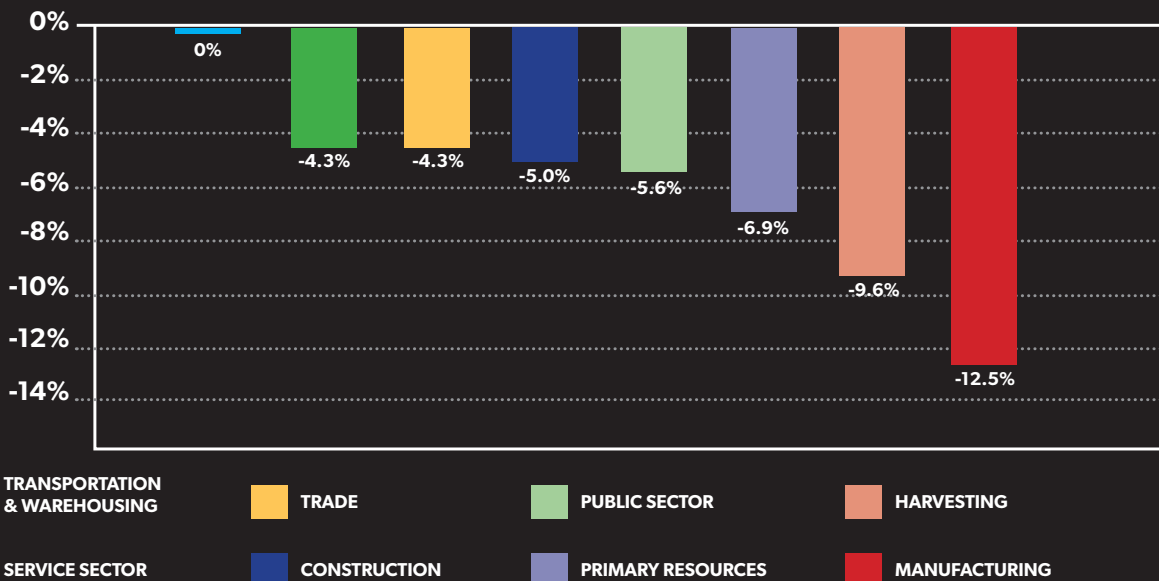


## SAWMILL INJURY RATES: 2014 - 2017 BY EMPLOYER SIZE



Small and medium size sawmill employers in BC experienced higher injury rates in comparison with larger employers, typically with more comprehensive safety programs and controls in place. Small employer injury rates are 7 times higher when compared to large employers and medium sized employers have three times higher injury rates of large employers. 67 percent of the employers in the sawmill sector are small employers with medium and large employers at 13 percent and 20 percent respectively.

## INDUSTRY RATE CHANGE: 2014-2017



Performance by the harvesting sector compared against the six major sectors within the BC economy shows that its improved safety performance is reflected in the rate change. As shown in the graph, the full sector has achieved an almost 10% (9.6%) reduction in rates it pays to WorkSafeBC in the four years, 2014 to 2017.



# GOVERNANCE

# 3



## BOARD CHAIR

**Dave Lehane** (effective March 22, 2018)

## COMMITTEES OF THE BOARD

There are four Committees of the Board, each with mandated responsibilities as follows:

### **Governance Committee**

Advises the Board on governance matters including Board effectiveness and BCFSC membership, along with setting the process for recruitment, appointment and ongoing development of Directors

### **Audit and Finance Committee**

Provides oversight to the annual work plan budget, financial information and policies, internal control systems and the audit process

### **Human Resources Committee**

Helps the Board meet its human resources obligations covering senior management recruitment, compensation and succession planning

### **Program Committee**

Gives the Board advice and recommendations on issues related to the effectiveness of the BCFSC's certification, training and other safety programs.

## BOARD COMMITTEE CHAIRS

### **Reid Hedlund**

Vice Chair and Governance Committee Chair

### **David Elstone**

Audit & Finance Committee Chair

### **Stephen Mackie**

Human Resources Committee Chair

### **John Betts**

Program Committee Chair





## BOARD MEMBERS

and their years of service to the Board

### John Betts

Executive Director, Western Forestry Contractors' Association - 15 years

### Brian Butler

Chair, United Steelworkers Wood Council - less than 1 year

### David Elstone

Executive Director, Truck Loggers Association - 3.5 years

### James Gorman

Vice-President, Corporate and Government Relations, West Fraser - 4.5 years

### Reid Hedlund

Chairman, Interior Logging Association - 11 years

### Andrew Horahan

Vice President, BC Operations, Interfor Corporation - 3 years

### Stephen Mackie

Senior Vice President, Canadian Operations, Canfor - 3.5 years

### Chris Stagg

Associate Deputy Minister, Forest Sector, Ministry of Forests, Lands, natural Resource Operations and Rural Development - 1 year

## MEMBERSHIP

The BC Forest Safety Council's membership includes forest industry organizations (1) representing workers, employers, government and crown corporations.

(1) "forest industry organization" means any firm, corporation, agency, governmental authority, society, other person, whether incorporated or unincorporated, which, as its primary purpose, participates in, regulates or provides services to the British Columbia forest industry; including forest sector companies that financially contribute to a classification unit(s) that support the BC Forest Safety Council (BCFSC) activities.

The forest industry pays for the BCFSC through a request to WorkSafeBC by industry to assess a fee to the classification units that make up the "in woods forest industry". Any company that supports the BCFSC through this industry assessment is eligible to become a voting member by sending a notice to the BCFSC which is then reviewed by the Governance Committee.

As at December 31, 2018, the BCFSC had 59 voting members.

See <https://www.bcforestsafes.org/files/Member%20Companies%20-%20List%20Dec31'18.pdf>



# SUMMARY OF ACTIVITIES

# 4



## SUMMARY OF ACTIVITIES

Operational focus for the BCFSC in 2018 was on meeting the future needs of industry.

Industry is short several thousand workers and will be short several thousand more in the next decade totalling an estimated 12,500 job openings in industry by 2025, across the province, many in mission-critical occupations, such as manual tree falling and log hauling. In addition, technologies continue to develop, evolve and adapt to the advanced stages where the old way of doing things is becoming far more mechanized and technically advanced. Most forestry graduates 10 years ago, would not have contemplated having their own drones to fly surveys, map worksites or do log inventories. In 2018, remote-controlled logging

trucks were tested in Quebec (platooning – a driver in a lead log truck followed by driverless log trucks connected remotely by sensors) and remote controlled steep slope equipment was in full production in New Zealand, while other technologies continued to evolve and be refined.

Of course, the sector has also shed jobs in recent years due to reductions in allowable cuts and increased productivity both within harvesting and manufacturing. That said, the 2013 Labour Market & Training Needs Analysis projected 4,700 job openings would need to be filled by 2022 (mostly as a result of retirements) on the coast – almost a full quarter of the 2018 total coastal forest industry workforce.

The BCFSC employs 34 full- and part-time staff, roughly eight ad-hoc contract trainers to deliver specific courses and about 10 ad-hoc consultants to support different programs and initiatives as needs are identified by industry. Well over

half of these resources were deployed on different aspects of competency assessment and development.

2016, 2017 and 2018 were dedicated to the development of competencies for 40 forestry occupations; as well as the development of assessor tools for those occupations; the development of new yarding, faller and log hauling learning materials; and the development of assessor and train the trainer materials.

**Competencies** for a single occupation is the first step in a long process of developing ready to deliver training for that occupation.

### STEP 1

Develop competencies for an occupation and test the competencies in field. These are developed by industry-identified subject matter experts – people with proven achievements in optimal performance in each of the occupations.

### STEP 2

Develop assessment tools for that occupation (used to determine if someone is competent to do that work) and test the assessment tools in field. There are two types of assessment: competency conversations used to assess knowledge and practical assessments used to assess skills and attributes.

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“ BC’s forestry industry generates \$8.56 billion a year, employs approximately 60,000 people provincially and generates taxes valued at about \$2.5 billion. ”





// The **BCFSC** employs 34 full- and part-time staff, roughly eight ad-hoc contract trainers to deliver specific courses and about 10 ad-hoc consultants. //







## SUMMARY OF ACTIVITIES CONT...

### STEP 3

Develop training content and materials that best supports the competencies identified in Step 1 and test these materials in-field with contractors and licensees, refine and retest. This includes applying the best adult-education learning and training principles to the content and formats, providing online and on-the-job learning materials, along with diverse optimal learning choices for individuals tailored to specific coastal or interior forestry settings and worksite demands.

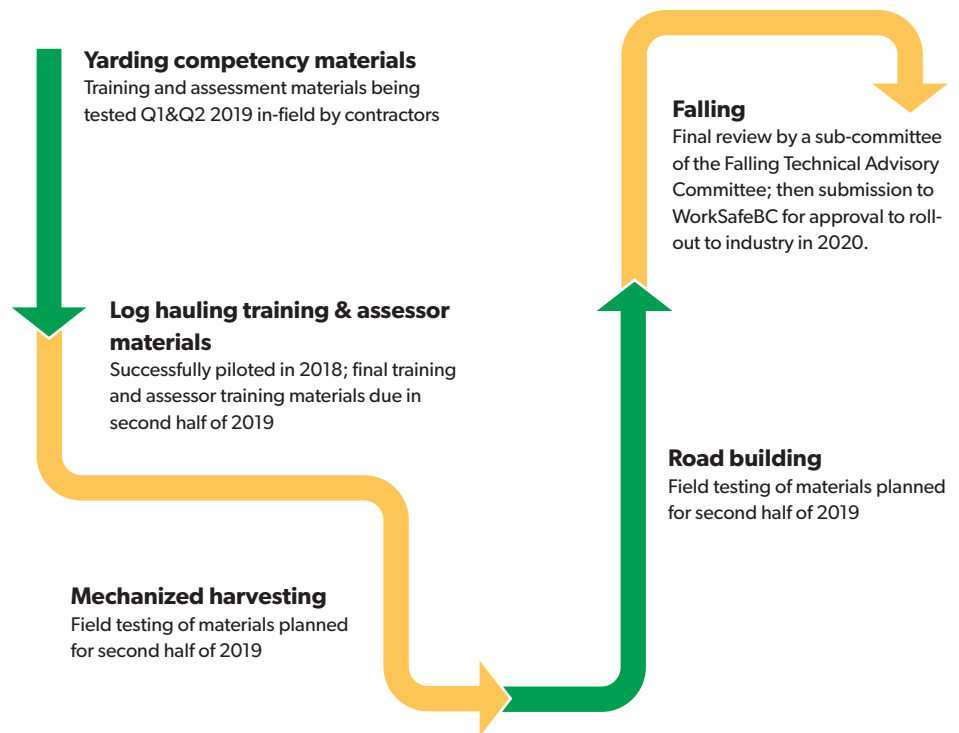
### STEP 4

Receiving regulatory approval where required – e.g. as the BC faller standard is owned by WorkSafeBC, the new faller training materials need to be reviewed and approved by WorkSafeBC and their changes incorporated and tested in field prior to final approval and roll-out to industry.

### STEP 5

Populating the final approved materials for each occupation into the BCFSC’s Forestry Learning Management System, administering the training, and regularly updating the training as needed.

## TIMELINE FOR NEXT TWO YEARS





Two occupations that need to be highlighted are new faller training and log truck driver training.

These two occupations are also part of WorkSafeBC’s high risk strategy. Both result in two of the highest rates of serious injury to workers and fatalities in past years and recent years respectively than any other forestry occupations.

A great deal of work has gone into developing the **revised new faller training standard** which is on schedule to go to WorkSafeBC for final review and approval to roll-out to industry later in 2019 for implementation in 2020.

**The professional log truck driver training and endorsement program** which consists of assessment, training and mentorship components, was seen as critical by members of the two industry safety working groups, namely the Log Truck Technical Advisory Committee and the Trucking and Harvesting Advisory Group. The intent was to develop a workable, sustainable and consistently delivered assessment and training program to ensure future professional log truck drivers have the knowledge and skills they need to be professional, safe and productive, i.e. successful long-term log haulers.

The BCFSC continues to work with several post-secondary institutions to help them take the competencies developed by the BCFSC and implement them into their tailored training programs ensuring consistency across the province for the skills and knowledge that all members of a particular forestry occupation need to have to perform well and safely in a variety of settings and changing worksite conditions.

2018 also saw the year of the piloting of a **Forestry Fundamentals course** run by Vancouver Island University, based on the competencies developed by the BCFSC.

Supported by a coastal licensee who paid for the tuition of about 12 candidates, these trainees were put through a 12-week program in Woss, on Vancouver Island, that covered all aspects of what every productive and safe forestry worker needs to know before going on to future training for a particular occupation.

The BCFSC continues to partner with the College of the Rockies and Okanagan College and others to deliver forestry and falling programs.

## THE SAFE COMPANIES PROGRAM

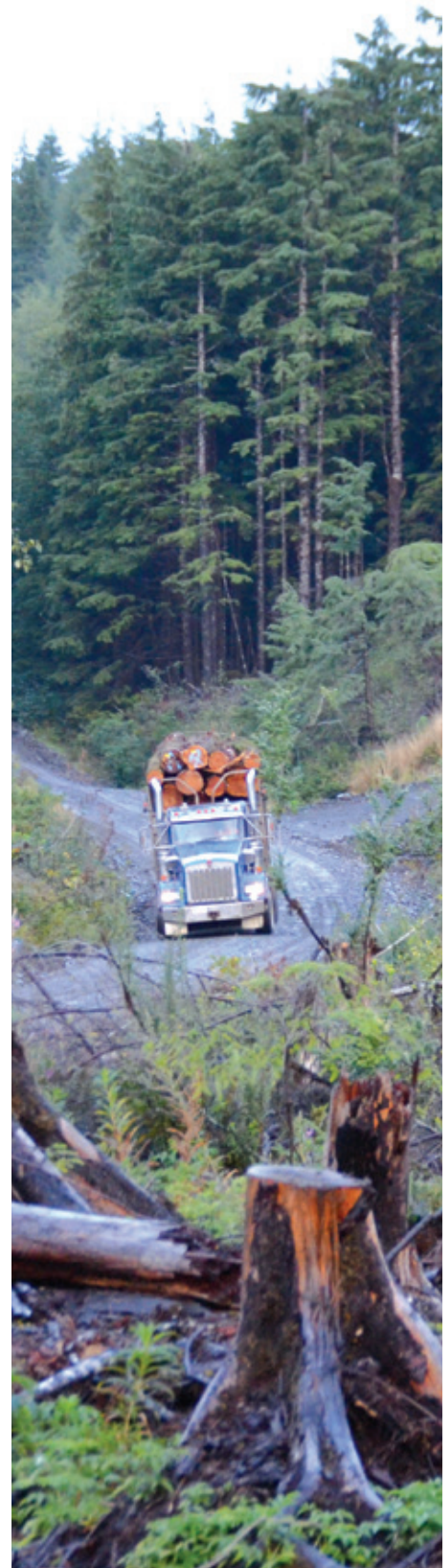
remains the BCFSC’s core focus.

Safety done well – as an integrated practice or “just how we do things around here” – has proven results in productivity improvement, direct and indirect cost savings in preventing costly downtime, damaged equipment and injuries, reduced financial risk, improved compliance, improved employee morale, increased ability to attract and retain good workers, improved social license and improved overall reputation, respect and performance. Companies that do safety well tend to do all things well, no matter how big or small or what they do or produce. The BC forest industry developed SAFE (Safety Accord Forestry Enterprise) Companies as a prequalification safety initiative required to bid on forestry work in BC and ensure a minimum standard of safety in all forestry work places.

## BEING SAFE IS GOOD BUSINESS

SAFE organizations perform better. They are reliable, predictable and efficient. By having a safety management system in place, incidents and injuries are reduced, and companies improve their reliability, quality and competitiveness.

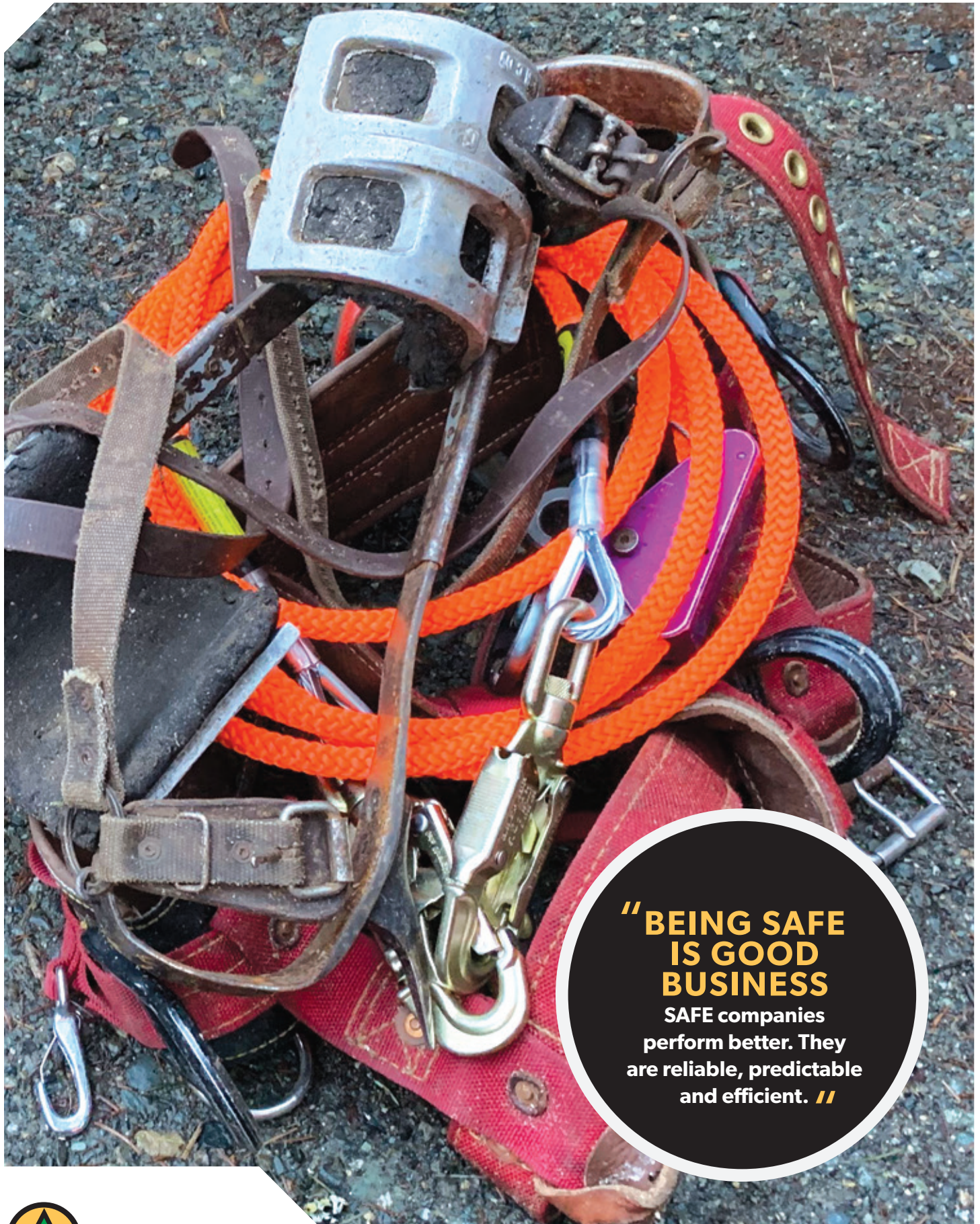
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“ Over the past year we have also seen increased online submission of audits... Only 26% still send in paper. ”







**“ BEING SAFE IS GOOD BUSINESS**  
SAFE companies perform better. They are reliable, predictable and efficient. //





## AUDITS TAILORED TO SIZE OF COMPANIES

There are three different audits, each one best suited to the needs of a particular size of company. The bigger the company, the more significant the audit requirements to match increased risks.

### 20 or more personnel:

BASE (Basic Audit Safety Evaluation) audit

### 2-19 personnel:

SEBASE (Small Employer BASE) and ISEBASE (Independent-Small Employer BASE) audit

### 1-2 personnel:

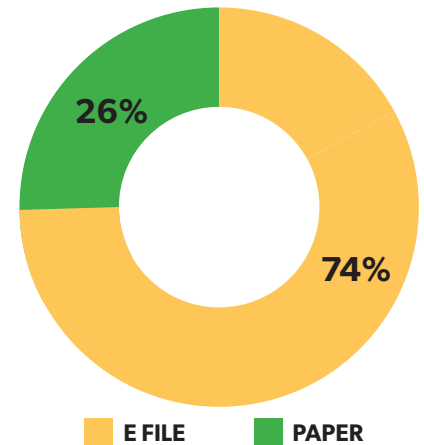
IOO (Individual Owner Operator) audit.

These audits are completed annually by companies and submitted to the BCFSC for review and adjudication to determine if the company meets the SAFE Co standards for certification. In addition, BCFSC safety advisors

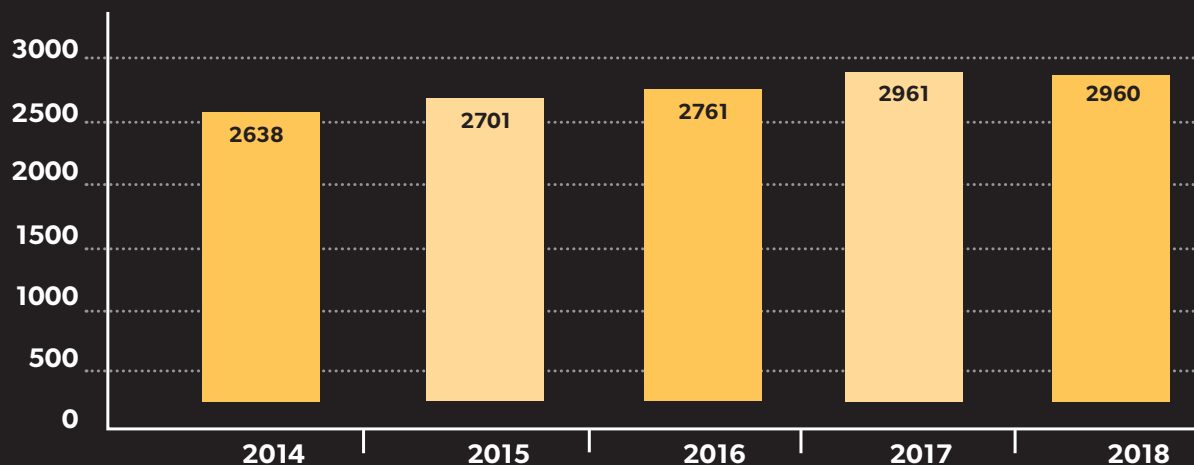
(or contract auditors) complete verification audits on almost 400 companies each year (361 in 2018). These verification audits are in-person, in-field, to help ensure that safety performance is consistently integrated into all operations, rather than simply recorded on paper, sitting in a binder in an office somewhere.

Over the past year we have also seen increased online submission of audits to the point that almost three-quarters of companies (74%) submit their audits online, loading them via our website or emailing them in. Only 26% still send in paper. Processing efficiencies and accuracy in audit review is greatly enhanced with online submissions as paper documents and binders submitted do not need to be taken apart, scanned and then reviewed, which depending on the amount of paperwork can add an hour to each audit which doesn't seem much but when you multiply that over almost 3,000 audits a year, that's the equivalent of 375 work days (8 hours each).

## AUDIT SUBMISSION METHODS



## TOTAL SAFE COMPANIES 2014-2018



# BC SAWMILLS SAFETY PERFORMANCE IN 2018



## 2018 SAFE COMPANY NUMBERS

**317** new SAFE Company registrations

**396** new SAFE Company certifications

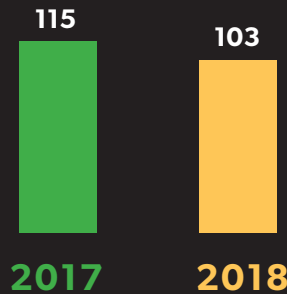
- 97 IOO-size companies
- 122 ISEBASE-size companies
- 149 SEBASE-size companies
- 28 BASE-size companies

**2960** SAFE Companies

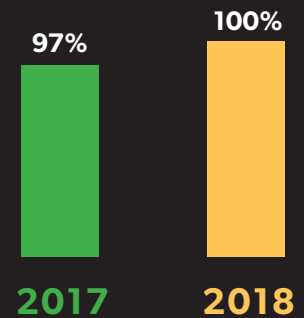
- 666 IOO-size companies
- 639 ISEBASE-size companies
- 1239 SEBASE-size companies
- 362 BASE-size companies

**10** Real Time Review sessions were held across the province, allowing for 133 face-to-face SAFE Companies audit submission reviews and discussions with employers.

### SAWMILLS INSPECTED



### COMBUSTIBLE DUST COMPLIANCE RATE



The BCFSC is also one of WorkSafeBC’s certifying partners for administering the Certificate of Recognition (COR) program for those forestry companies that choose to participate in COR. This program provides participating companies to receive an incentive cheque each year if they meet the qualifying criteria set by WorkSafeBC.

## INTERNAL AND EXTERNAL AUDITOR SKILLS AND PERFORMANCE ARE KEY

The success of the SAFE Companies program requires commitment of organizations at all levels, whether a two-person company or a major licensee with thousands of employees and contractors. A pivotal role in ensuring that this commitment translates to everyday actions and practices falls to company’s respective SAFE Company auditors (internal and/or external).

A great deal of work has happened during 2018 to further enhance and refine auditor training, including improved conflict of interest oversight. A pilot for auditors in the manufacturing sector will continue in 2019 for the roll out of a **SAFE-MAG audit**. In total, in 2018, 28 auditors were trained – 26 internal and two external.

As industry moves more and more to integrate competency based training in all occupations, the BCFSC has taken the opportunity to ensure the auditor training reflects the same rigor and enhanced learning experience, moving to proof of competency to perform as an auditor, and closer assessments and reviews of external auditors while they are performing audits. In this way, the BCFSC can help industry ensure that we have the strongest safety management systems in place as an industry with the most qualified and competent auditing of these systems both internally and externally. In this way continuous improvement and an increasingly higher standard of consistent performance can be achieved across industry.





## INDUSTRY, WORKSAFEBC AND FPINNOVATIONS COLLABORATIONS

### Incident information gathering, sharing and analysis

There are **13 industry safety working groups**, supported by the BCFCSC. Each group has its own mandate and terms of reference, focused on successfully addressing a specific or set of safety challenges within their geographic areas of operation or occupational expertise. These groups meet regularly, generally at least once a quarter and within them sub-groups put in many volunteer hours to work on particular projects, using go-to meetings and other technological platforms for sharing information and increasing collaboration. This collaboration bridges across licensees, industry associations, contractors, land owners, the Ministry, BC Wildfire and other industries and their associations, labour, academic/training institutions, and technical/subject matter experts across many fields that impact or otherwise influence the safety performance of the forestry and wood products manufacturing sectors.

Industry remains committed to the principle that there is no competition in safety. We all win when we improve the safety for all workers and for all

operations. It is not just a moral imperative, it is good business and allows industry to attract and retain talent, and perform effectively and efficiently in an increasingly competitive and challenging global marketplace.

In 2018, two major **incident data analysis projects** were developed directed by the industry safety working groups, the **Manufacturing Advisory Group (MAG)** and the **BC Safe Forestry Program — Strategic Advisory Committee (SAC)**. EHS Analytics was hired to develop a custom tool for each group that their members could use to gather, record and report work place incidents, and even submit directly to WorkSafeBC and/or licensees if/as needed. The overall objective was to allow groups like these to have access to timely leading indicators of incidents and near misses to help inform the most appropriate sector responses to achieve further continuous improvements in safety performance. A priority was making the tool free, easy to use and support the highest levels of technical and data privacy and protection.

The BCFCSC also provided support and funding for the development of musculoskeletal injury (MSI) prevention physiotherapy info sheets and videos for tree planters that involves ergonomics and taping and proper techniques to apply. There have been consistently good reports from field and initial improvements in reduced injuries

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## SAFETY PERFORMANCE CONT...

so work in this area will continue given that MSIs are the most frequent tree planter injury and can cause long-term negative health consequences as well as run into hundreds of thousands of dollars in costs when not effectively prevented or treated.

Another collaboration between the BCFSC and MAG saw the development and piloting of a specialized SAFE-MAG Audit which will be rolled out to the forestry manufacturing sector in 2019/2020.

Also on the manufacturing side several projects progressed in 2018, most notably the completion of **mobile equipment/pedestrian interface tools and resources** that MAG researched, developed and produced for sharing with industry.

Safeguarding on planers took a massive step forward in 2018 with a major collaboration between industry through MAG and WorkSafeBC. Thanks to funding from WorkSafeBC and a variance to existing regulation, a pilot with Conifex's For St. James operation, the BCFSC, and a system integrator, UBSafe Inc., successfully tested the feasibility of a Control System Isolating Device (CSID). The objective was to determine if a CSID was a viable alternate form of lockout for specific maintenance tasks in BC sawmills, such as clearing obstructions in planers. The project that will wrap up in 2019 has so far demonstrated

that improved safeguarding technology results in a higher degree of safeguard performance and personal safety for workers.

The Wood Pellet Association of Canada's safety committee continued on their drive for greater collaboration within industry and with all other stakeholders to ensure that industry can best increase the pace at which leading practices can be identified and implemented to secure continuous improvement in safety outcomes.

On the transportation and harvesting side, **the resource road maintenance guideline** was finalized at the end of 2018 and the work of the Coast Harvesting Advisory Group's **Construction Initiated Slides Working Group** was close to wrapping up at the end of 2018, having produced a suite of materials and resources to help support professionals, road builders, contractors and others to have increased awareness, tools and knowledge to properly prevent and address risks associated with construction initiated slides. More than 200 professionals attended seminars in late 2017 and 2018 in this regard.

The Trucking and Harvesting Advisory Group (TAG)'s focus on log hauling safety, included fatigue and seat-belt safety. TAG developed a number of tools and resources in this regard from bulletins to posters and tool box talks to support improved safety outcomes. The Log Truck

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“ Safeguarding on planers took a massive step forward in 2018 with a major collaboration between industry through MAG and WorkSafeBC. ”





// More than  
**800**  
predominantly  
log truck drivers  
attended a total  
of **16 safety**  
seminars in 2018. //





**// The Woodlot Licence and Community Forest Agreement Safety Committee finalized a suite of materials on due diligence and responsibilities and a post wildfire operational bulletin. //**





# SAFETY PERFORMANCE CONT...

Technical Advisory Committee (LTTAC) has spent considerable time working on the development and testing of log truck driver endorsement, assessment, training and mentorship tools which will see roll-out broadly to industry in 2019.

More than 800 predominantly log truck drivers attended a total of 16 safety seminars in 2018 covering fatigue awareness, anatomy of a rollover, standard of care, your greatest risk, drop it and drive, and safety and the brain training sessions.

The **VIN program**, started more than 10 years ago, and administered by the BCFSC launched a new website in 2018 for easy online registration and maintenance for companies that participate in the program.

The **Woodlot Licence and Community Forest Agreement Safety Committee** finalized a suite of materials on due diligence and responsibilities and a post wildfire operational bulletin, and shared them broadly within the sector. In addition the group worked on developing new and revising existing materials for the sector as a "safety manual". This project will be completed in 2019 and shared broadly.

Also related to wildfires, the **BCFSC worked with the BC Wildlife Tree Committee (WTC)** and others to help develop new resources to increase awareness and recognition of the hazards in fire and beetle kill blocks and the related training needed by forestry workers, depending on the level of risk and disturbance their types of work creates in such environments.

## 2018 ALSO SAW THE ESTABLISHMENT OF NEW TECHNICAL AND MANUFACTURING FORUMS

### The new BC Forest Industry Forum

The model allows for an all-inclusive consultative and collaborative forum between industry, WorkSafeBC and labour, with one shared focus: to bring about the best solutions for improved safety outcomes.

**Two technical working groups** - one for manufacturing and one for harvesting feed their information into the forum. In turn each of the industry safety working groups feed into one of the two technical groups.

In this way, information from the workers with boots on the ground is effectively raised and considered for appropriate decisions on current and emerging issues that impact the safety of workers and operations.

The BCFSC has continued to engage and support continuously increasing collaboration within industry as well as with WorkSafeBC and with FPIInnovations on safety issues and long-term sustainable solutions.

In 2018, a **memorandum of understanding was signed between the BCFSC and FPIInnovations** to work collaboratively on enhancing safety performance in the forest industry by sharing leading, innovative scientific and technical applications.

Under the MOU, individual projects and financial support agreements for specific activities have been and will continue to be identified through consultation between the two parties, with FPIInnovations providing research expertise and non-proprietary technical resources or materials to assist the BCFSC in improving or expanding the support it provides to the forest industry to reduce serious injuries and fatalities.

Examples include feller buncher rollover analysis (funded by WorkSafeBC), fatigue research among log truck drivers and distraction technologies, a winch-assist harvester best practice manual and body cams for fallers.

More falling related safety initiatives included the development of qualified assistance tools for fallers to help support consistent awareness among employers and land owners to ensure compliance and to ensure everyone has the correct understanding of what the regulation requires to keep fallers safe. Faller and falling supervisor forms were also updated in 2018 and advocacy visits continued across the province, while industry contractors and others focused on the development and initial piloting in 2018 of new competency-based new faller training

*continued on next page...*





## SAFETY PERFORMANCE CONT...

learning resources that will be reviewed by WorkSafeBC in 2019.

**Phase Congestion** continued to be under the spotlight with the 2018 release of the BC Forest Safety Ombudsman’s report that contained six considerations for further improvements. CHAG members reviewed the report in detail and have developed a response plan for resource development during 2019 to address the issue concurrent with work that WorkSafeBC is doing around a “phase integration conversation” document that officers will use in field when talking with forestry workers, contractors and others about mutual understanding and impacts of properly planned and managed phase integration.

2018 saw the BCFSC’s **continued sponsorship and support for industry-wide associations’ annual conferences and trade shows**. These included the Truck Loggers Association, the Western Forestry Contractors’ Association, the Interior Logging Association, the BC Community Forest Association, the Association of BC Forest Professionals, Council of Forest Industries, Federation of BC Woodlots, and Canada North Resources. In addition, the BCFSC helped facilitate and support two dedicated safety conferences in 2018, the interior safety conference held in Kamloops in May and the

Vancouver Island Safety Conference held in Nanaimo in September. Over 500 delegates attended the two conferences. The BCFSC has a booth at all these conferences too manned by safety advisors who can share all the resources available to forestry workers and companies to support improved safety performance.

The **Marine Forestry Safety Advisory Group (MFSAG)** finalized materials for marine operators carrying forestry workers — two onboard reference documents and a sticker to help support better safety outcomes when forestry workers are transported by marine vessels to and from forestry operations.

Online training numbers have increased significantly, saving participants time and money to get the training that they need. In-person training options for most courses continue to be offered for everyone who learns better in that environment. A good example of this from the chart (right) is the classroom numbers from the SEOHS course.

“Online training numbers have increased significantly, saving participants time and money to get the training that they need.”





## 2,380 SEATS OF TRAINING DELIVERED IN 2018

### TRAINING COURSES DELIVERED IN 2018

### PARTICIPANTS

INDIVIDUAL OWNER OPERATOR	109
IOO REFRESHER	16
IOO - REFRESHER COMPUTER BASED TRAINING (CBT)	68
SMALL EMPLOYER OCCUPATIONAL HEALTH & SAFETY (SEOHS)	100
SEOHS - INITIAL CBT	187
SEOHS REFRESHER	42
SEOHS - REFRESHER CBT	216
INTERNAL AUDITOR	24
INTERNAL AUDITOR REFRESHER	17
EXTERNAL AUDITOR	2
EXTERNAL AUDITOR REFRESHER	11
CONFLICT OF INTEREST CBT	62
SAFE CONVERSION ENFORM CBT	1
FOREST SAFETY OVERVIEW CBT	53
BASIC INCIDENT INVESTIGATION	171
JOINT HEALTH & SAFETY COMMITTEE	163
SERIOUS INCIDENT AND FATALITY INVESTIGATION (ONLINE)	4
FALLING SUPERVISOR	56
BASIC CHAINSAW OPERATOR	123
RESOURCE ROAD LIGHT TRUCK DRIVER	104
LOG TRUCK DRIVER ENDORSEMENT PROGRAM PILOT	188
FOREST SUPERVISOR	361
NEW FALLING TRAINING	24
25 SESSIONS OF REQUESTED TRAINING ACROSS THE PROVINCE	267

### OTHER FALLING ACTIVITIES COMPLETED IN 2018

### NUMBER

FALLER CERTIFICATION CHALLENGES	4
NEW FALLER TRAINING ASSESSMENTS	9
FALLER CERTIFICATION RENEWALS	2,479
FALLING SUPERVISOR CERTIFICATION	5
FALLING ADVOCATE ENGAGEMENTS	449



# FINANCIALS STATEMENT OF FINANCIAL POSITION

For the year ended December 31, 2018

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Photo by: Confor

## ASSETS

	DECEMBER 31, 2018	DECEMBER 31, 2017
<b>Current</b>		
Cash	\$1,936,099	\$1,448,691
Accounts Receivable	171,916	173,311
GST receivable	58,044	23,633
Prepaid Expenses	129,860	260,089
Deposits	6,949	6,949
Externally restricted cash	384,751	880,207
	<b>2,687,619</b>	<b>2,792,880</b>

## CAPITAL ASSETS

	515,039	75,574
<b>Internally restricted cash</b>	<b>603,560</b>	<b>603,560</b>
	<b>3,806,218</b>	<b>3,472,014</b>

## LIABILITIES

<b>Current</b>		
Accounts payable and accruals	715,460	296,705
WorkSafeBC — COR	-	120,602
Deferred revenue	713,564	715,734
Deferred contributions – other projects	384,751	880,207
	<b>1,813,775</b>	<b>2,013,248</b>

## NET ASSETS

Unrestricted	873,844	779,632
Invested in Capital Assets	515,039	75,574
Internally restricted	603,560	603,560
	<b>1,992,443</b>	<b>1,458,766</b>
	<b>3,806,218</b>	<b>3,472,014</b>





The BC Forest Safety Council (BCFSC) is financially sound and in a strong financial position with cash and equivalents sitting at \$1.94 million net of restricted amounts, compared to \$1.45 million in 2017. Meyers, Norris, Penny LLP completed an independent financial audit of the BCFSC in 2018.

### CURRENT ASSETS

**2018**  
**\$2,687,619**

**2017**  
**\$2,792,880**

### CAPITAL ASSETS

**2018**  
**\$515,039**

**2017**  
**\$75,574**

### LIABILITIES

**2018**  
**\$1,813,775**

**2017**  
**\$2,013,248**

### NET ASSETS

**2018**  
**\$1,992,443**

**2017**  
**\$1,458,766**



## STATEMENT OF OPERATIONS

For the year ended December 31, 2018

### REVENUES

	DECEMBER 31, 2018	DECEMBER 31, 2017
Industry Funding Via WorkSafeBC	\$6,048,614	\$5,476,353
Program Fees	825,686	689,983
Other government grants	103,462	393,192
Sponsorship and other	68,663	81,010
Interest	57,241	32,158
Amortization of deferred contributions related to capital assets	-	56,000
	<b>7,103,666</b>	<b>6,728,696</b>

### EXPENSES

Amortization	32,225	74,987
Bank charges and interest	18,459	20,204
Communication	94,667	95,040
Computer	137,030	98,519
Consultants	32,246	72,417
Contractors	780,826	1,159,422
Conventions and conferences	124,259	116,060
Directors and committee meetings	154,179	140,875
Employee benefits	519,034	533,365
Facilities and catering	66,203	86,480
General administration	200,636	174,026
Instruction materials	50,123	76,170
Professional fees	22,501	23,340
Project development	942,916	278,495
Rent, utilities, telephone and repairs	189,764	173,196
Salaries and wages	2,836,576	2,871,818
Travel	307,328	350,575
Vehicle	69,710	44,274
	<b>6,578,682</b>	<b>6,389,263</b>
<b>Excess of revenues over expenses</b>	<b>524,984</b>	<b>339,433</b>
<b>Loss on disposal of capital assets</b>	<b>8,693</b>	<b>(134,762)</b>
<b>Excess of revenues over expenses</b>	<b>533,677</b>	<b>204,671</b>

## REVENUES

2018  
\$7,103,666

2017  
\$6,728,696

## EXPENSES

2018  
\$6,578,682

2017  
\$6,389,263









# INDUSTRY SAFETY WORKING GROUPS

# 6



The **industry safety working groups** are the backbone of the BCFSC's programs and business plans. Without the leadership, guidance, time and expertise that members provide, industry would not be the beneficiary of the many programs and initiatives that support injury reduction and improved safety performance.

**Thank you** to all who serve to make BC's forest harvesting, sawmill and pellet manufacturing workplaces the safest they can be.

## AIR CARRIER SAFETY WORKING GROUP

- Bruce McDonald**, Inland Air
- Eric Scott**, Harbour Air
- Jim Hartwell**, Float Plane Operator Association
- Nick Hawes**, LD Air
- Peter Grimm**, Vancity Sea Planes
- Vince Crooks**, Sea Air

## BC SAFE FORESTRY PROGRAM - STRATEGIC ADVISORY COMMITTEE (SAC)

- Aaron Frost**, Strategic Natural Resource Consultants
- Brendan Brabender**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Brian Beaudry**, Brinkman Reforestation
- Chris Akehurst**, Akehurst and Galvani Reforestation
- Chris Runnals**, BC Timber Sales
- Crawford Young**, Spectrum Resource Group
- Jo Graber**, Jokat Safety
- John Betts**, Western Forestry Contractors' Association
- Dr. Jordan Tesluk**, Independent Researcher
- Robin McCullough**, Brinkman Reforestation
- Ryan Zapisocki**, Windfirm Resources Inc.
- Sylvia Fenwick-Wilson**, Zanzibar Holdings Ltd.
- Tim Tchida**, Summit Reforestation Ltd.
- Tom Pawlowski**, WorkSafeBC

## BULK HAULERS INJURY ELIMINATION TASKFORCE (BHJET)

- Stuart Foster**, DCT Chambers Trucking
- Matt Cook**, Arrow Transportation Systems Inc.
- David Stearns**, Excel Transportation
- Mike Grimm**, Lomak
- Tim Bumby**, D. Jones Truckin
- Russell Klassen**, Valley Carriers
- Brad Markin**, Sutco
- Paul Manwaring**, M4 Enterprises
- James Gelowitz**, Canfor
- Jacqueline Morrison**, WorkSafeBC

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Photo by: Confor







## SAFETY GROUPS CONT...

### COAST HARVESTING ADVISORY COMMITTEE (CHAG) - WORKING TEAM

- Aaron Racher**, Mosaic Forest Management
- Adam Wunderlich**, Fall River Logging
- Bill Nelson**, Holbrook Dyson Logging
- Craig Fredrickson**, Mount Sicker Lumber Company
- Derek Nelson**, Western Forest Products
- Jason Cox**, United Steelworkers
- John Shearing**, Mosaic Forest Management
- Norm McLeod**, United Steelworkers
- Noel Poulin**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Ralph Friedrich**, Interfor
- Ron Corbeil**, United Steelworkers

### CHAG STEERING TEAM

- Andrew Horahan**, Interfor
- Brian Butler**, United Steelworkers
- David Elstone**, Truck Loggers Association
- Don Demens**, Western Forest Products
- Mark Leitao**, Mosaic Forest Management
- Ray Luchkow**, BC Timber Sales

### CONSTRUCTION INITIATED SLIDES WORKING GROUP (CISWG)

- Bill Schulte**, Interfor
- Clayton Gillies**, FPInnovations
- Del Ferguson**, Aztec Geoscience
- Gino Fournier**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Mark Ponting**, Ponting Logging
- Mike McCulley**, BC Timber Sales
- Tom Jackson**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development

### FALLING TECHNICAL ADVISORY COMMITTEE (FTAC)

- Aaron Steen**, Licensee Coast Representative
- Bill Boyes**, Large Logging Contractor
- Bill McKay**, Large Falling Contractor
- Chris Spronken**, BC Wildfire Service Representative
- Clay Govett**, Licensee Interior Representative
- Creole Dufour**, Small Contractor (Faller) Interior Faller
- Dave (Dazy) Weymer**, Western Fallers Association Faller
- Doug Harrison**, Interior Contractor Representative
- Earl Johnson**, Licensee Coast Representative
- Francois Sauve**, Western Forestry Contractors Association (Silviculture) Representative
- Gary Bauer**, Licensee Coast Representative
- Gunnar Wigard**, Large Falling Contractor
- Jack Miller**, Union Rep or Union Faller (with falling background)
- Jordan Nicolussi**, Large Falling Contractor
- Mark Turnbull**, Certified Utility Arborist Representative

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// The **BCFSC** will continue to work with all stakeholders on safety solutions, with an increased focus on technological and other innovations. //





## SAFETY GROUPS CONT...

- Mike Davidson**, Large Falling Contractor
- Neil Campbell**, QS/T Interior Faller
- Richard Butler**, QS/T Coast Faller
- Steve Kerrone**, Large Logging Contractor
- Tom Jackson**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Terry Greaves**, Small Contractor, Coast Faller
- Wayne Lintott**, Interior Logging Association

### LOG TRUCK TECHNICAL ADVISORY COMMITTEE (LTTAC)

- Chris Schaap**, Casco Holdings Ltd.
- Dave Barden**, Barden Contracting Ltd.
- Delbert Ritchey**, San Jose Logging
- Greg Calibaba**, RCMP
- Greg Munden**, Munden Ventures
- Jan Lansing**, Commercial Vehicle Inspections and Standards
- John Wiebe**, John D Contracting Ltd.
- Peter Bueckert**, J. Bueckert Logging Ltd.
- Rick Bitten**, Western Forest Products
- Ron Judd**, WorkSafeBC
- Seamus Parker**, FPInnovations
- Vern Woods**, Vern's Ventures
- Wes Dyck**, John Dyck Trucking

### MANUFACTURING ADVISORY GROUP (MAG)

- Chelsea Meyer**, Kalesnikoff Lumber
- Craig Hiebert**, Western Forest Products
- Daniel Ruzic**, Lana Kurz and Rick Robertson, Interfor
- Darren Beattie**, Conifex
- Darren Marutt**, Pacific Bioenergy
- David Murray**, Gorman Group
- Jeff Larsen**, Jason Cerenzie and Carrie Harilstad, Weyerhaeuser
- Grace Cox and Matt Franks**, Canfor
- Myrin Toews**, Ainsworth
- Peter Quosai**, Norbord
- Randi Zurowski**, Carrier Lumber
- Ruben Gaytan**, Ian Gray and Joe Angyus, Hampton Affiliates
- Marsha Bell and Scott Wynn**, Tolko
- Steven Mueller**, Pinnacle Renewable Energy
- Tony Mogus**, Dunkley Lumber
- Tristan Anderson**, Coastland Wood
- Troy Withey**, West Fraser
- Trudy Langthorne and Joel Fournier**, Sinclar Group Forest Products Ltd.

### MAG STEERING TEAM

- Andrew Horahan**, Interfor
- Brad Thorlakson**, Tolko Industries Ltd.
- Don Demens**, Western Forest Products Inc.
- Don Kayne**, Canfor
- Fred Dzita**, Weyerhaeuser
- Greg Stewart**, Sinclar Group Forest Products Ltd.

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**// Industry remains committed to the principle that there is no competition in safety. We all win when we improve the safety for all workers and for all operations. //**

Photo by: Confor







## SAFETY GROUPS CONT...

- Jeff Bromley**, United Steelworkers Wood Council
- Ken Shields**, Conifex
- Nick Arkle**, Gorman Group
- Rob Novak**, Dunkley Lumber Ltd.
- Steve Zika**, Hampton Lumber
- Ted Seraphim**, West Fraser

### MARINE FOREST SAFETY ADVISORY GROUP (MFSAG)

- Aaron Frost**, Strategic Natural Resource Consultants
- Don Willson**, Silver King Ventures
- Glenn Budden**, Transportation Safety Board
- Mark Lunny**, WorkSafeBC
- Robin Modesto**, Interfor
- Sanjay Gupta**, Transport Canada
- Timo Scheiber**, Western Forestry Contractors' Association
- Tom Jackson**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development; and BC Timber Sales

### SAFE COMPANIES ADVISORY COMMITTEE (SCAC)

- Ann Marie Baron**, Lemare Group of Companies
- Deb McPhee**, Larry's Heavy Hauling (1990) Ltd.
- Dennis Thideman**, Edynamics
- Derek Nelson**, Western Forest Products
- Dr. Jordan Tesluk**, Independent Researcher
- J.E. (Ward) Stamer**, Stamer Energy Resources
- Kevin Birch**, B&B Tree Topping
- Kim Edmondson**, M. Edmondson Contracting
- Norm Druck**, Weyerhaeuser
- Paula Moore**, Platinum Stone Contracting Ltd.
- Tom Jackson**, Ministry of Forests, Lands, Natural Resource Operations and Rural Development
- Valerie Dettwiler**, Griffon Safety Solutions Ltd.

### TRUCKING AND HARVESTING ADVISORY GROUP (TAG) TASK TEAM

- Dave Kent**, Weyerhaeuser
- Dorian Dereshkevich**, Sinclar Group Forest Products
- Erik Kok**, Interfor
- Gwenn Heatherington**, BC Timber Sales
- Jeffrey Rensmaag**, Conifex
- Jerry Mooney**, Tolko
- Ken Pedersen**, Canfor
- Marty Hiemstra**, LoBar Log Transport
- Ron Volansky**, R&A Logging
- Scott Marleau**, West Fraser
- Shawn Clarke**, Gorman Group
- Tyson von den Steinen**, Canfor
- Vern Woods**, Log Truck Technical Advisory Committee

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// A great deal of work has happened during 2018 to further enhance and refine auditor training, including improved conflict of interest oversight. //







## SAFETY GROUPS CONT...

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### TAG STEERING TEAM

**Andrew McLellan**, Conifex  
**Bruce McLean**, Sinclair Group Forest Products  
**Barry Gladders**, Tolko  
**Craig Tilander**, BC Timber Sales  
**Dave Kent**, Weyerhaeuser  
**David Elstone**, Truck Loggers Association  
**Larry Price**, Interfor  
**Nick Arkle**, Gorman Group  
**Peter Baird**, Canfor  
**Scott Marleau**, West Fraser  
**Wayne Lintott**, Interior Logging Association

### WOODLOT LICENSE AND COMMUNITY FOREST AGREEMENT SAFETY COMMITTEE (WLCFASC)

**Bill Golding**, Wetzin'kwa Community Forest Corp.  
**Dave Gill**, West Bank First Nation Community Forest  
**Dave Lasser**, Sunshine Coast Community Forest  
**Gary Hanson**, Woodlot Licensee/Smithers  
**Mark Churchill**, Woodlot Licensee/Vanderhoof  
**Rick Walters**, Woodlot Licensee/Williams Lake

### WOOD PELLET ASSOCIATION OF CANADA SAFETY COMMITTEE (WPACSC)

**Bill Carson**, Rentech  
**Bill Munro**, Rentech  
**Christine Paradis**, Foothills Forest Products  
**Corey Gardiner**, AON Reed Stenhouse  
**Darrell Robinson**, Shaw Resources  
**Gordon Murray**, Wood Pellet Association of Canada (Secretary)  
**James Snow**, Nechako / Premium Pellet Ltd.  
**John Arsenault**, Quebec Wood Export Bureau  
**John Stirling**, Princeton Standard Pellet Corporation  
**Mathew Franks**, Canfor  
**Pierre-Olivier Morency**, Rentech  
**Scott Bax**, Pinnacle Renewable Energy Group (Chair)  
**Sharel Grimm**, Pacific Bioenergy  
**Sidney David**, Canfor  
**Staffan Melin**, Wood Pellet Association of Canada  
**Travis Peterson**, Canfor  
**Troy Withey**, West Fraser





// The **BCFSC** continues to partner with the College of the Rockies and Okanagan College and others to deliver forestry and falling programs. //





# EVERY WORKER

DESERVES TO  
GO HOME **SAFE**  
EVERY DAY



BC Forest Safety

[www.bcforestsafe.org](http://www.bcforestsafe.org)

Photo by: Canfor