



**BC Forest Safety**

Safety is **good** business

*Annual Report 2016*



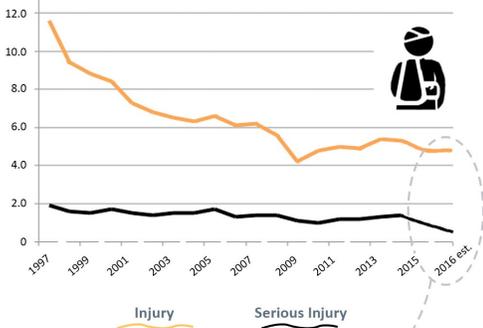
# Objective: Every worker deserves to go home safe every day

## HOW ARE WE TRACKING SAFETY PERFORMANCE?

### FOREST HARVESTING SAFETY PERFORMANCE (covering classification units in rate group DR)

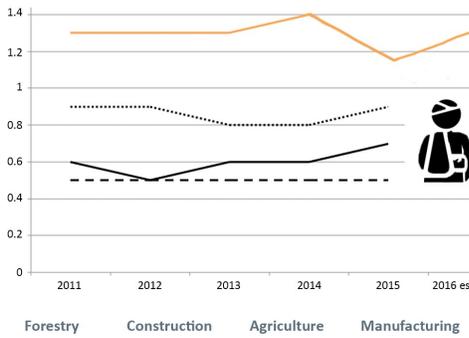
#### INJURIES

##### INJURY & SERIOUS INJURY RATES



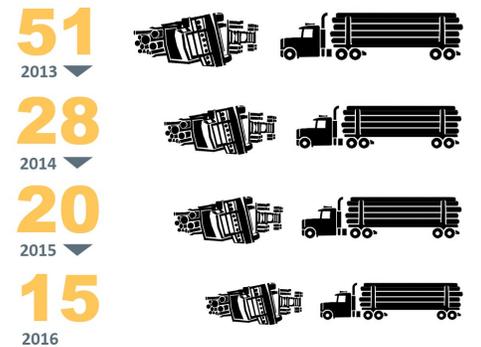
#### HOW WE COMPARE

##### SERIOUS INJURY RATES



#### SUCCESS STORY

##### HIGH-PROFILE LOG TRUCK ROLLOVERS PER YEAR 2013 - 2016



**1.4** TIME LOSS INJURIES per 100,000 m<sup>3</sup> wood harvested  
2016

**89.3** WORK DAYS LOST per 100,000 m<sup>3</sup> wood harvested  
2016



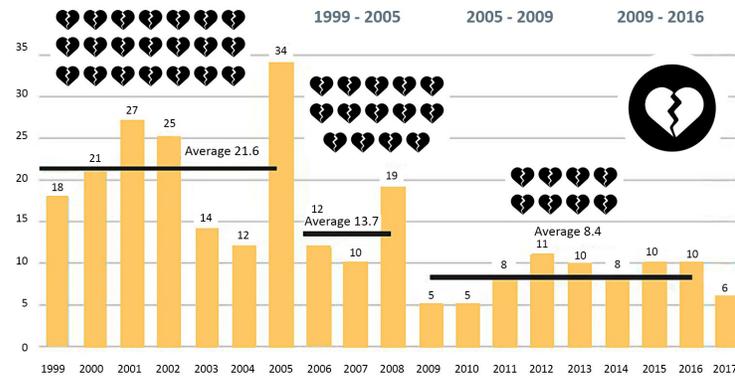
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TOLL FREE: 1-877-741-1060

#### FATALITIES

##### WORKERS KILLED ON THE JOB

**22** 1999 - 2005  
**14** 2005 - 2009  
**8** 2009 - 2016



#### TRAINING

##### WORKERS TRAINED

**380** 2006  
**1649** 2016

- ✓ **876** SAFE Companies
- ✓ **216** Incident Investigators
- ✓ **463** Forest Supervisors
- ✓ **94** Falling Supervisors



Health and Safety Performance of the BC Forestry Industry - January 2017

bcforestsafe.org BC Forest Safety

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# HOW ARE WE TRACKING SAFETY PERFORMANCE?

## FOREST HARVESTING SAFETY PERFORMANCE SAFE CERTIFIED COMPANIES

CERTIFIED COMPANIES PER UNIT - 2016

14  
2006  
2722  
2016



- Manufacturing (all 714 classification)
- Silviculture (Brushing/Weeding/Thinning & Tree Planting/Cone Picking)
- Falling
- Log Hauling
- Integrated Forest Management
- Cable or Hi-Lead Logging
- Ground Skidding
- Log Processing
- Logging Road Construction
- Mechanized Tree Falling
- Helicopter Logging & related

## FOREST INDUSTRY ACTIVITIES INDUSTRY-OWNED & DRIVEN SAFETY GROUPS

ACTIVE FORESTRY INDUSTRY SAFETY GROUPS



- Falling Technical Advisory Committee (FTAC) <http://www.bcforestsafety.org/FTAC>
- Silviculture Advisory Committee (SAC) <http://www.bcforestsafety.org/node/SAC>
- Log Truck Technical Advisory Committee (LTTAC) <http://www.bcforestsafety.org/LTTAC>
- Coast Harvesting Advisory Group (CHAG) <http://www.bcforestsafety.org/CHAG>
- Woodlot Licence and Community Forest Safety Advisory Committee (WLCFSAC) <http://www.bcforestsafety.org/node/WLCFSAC>
- Trucking and Harvesting Advisory Group (TAG) <http://www.bcforestsafety.org/TAG>
- Bulk Haulers Injury Elimination Taskforce (BHJET) <http://www.bcforestsafety.org/node/BHJET>
- Construction Initiated Slides Working Group (CISWG) <http://www.bcforestsafety.org/node/CISWG>
- Manufacturing Advisory Committee (MAG) <http://www.bcforestsafety.org/MAG>
- Wood Pellet Association of Canada Safety Committee (WPACSC) <http://www.bcforestsafety.org/node/WPACSC>
- Marine Forest Safety Advisory Group (MFSAG) <http://www.bcforestsafety.org/node/MFSAG>

## FOREST MANUFACTURING SAFETY PERFORMANCE (sawmills and pellet mills)

### MANUFACTURING

COMBUSTIBLE DUST SAWMILL INSPECTION COMPLIANCE RATES

98%  
2016  
95%  
2015  
92%  
2014

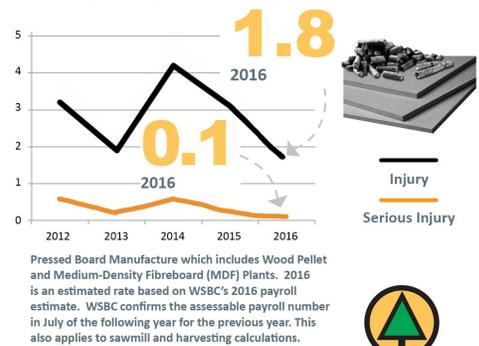


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INJURIES AND SERIOUS INJURY RATES – SAWMILLS



INJURIES AND SERIOUS INJURY RATES – PRESSED BOARD (Wood pellet & MDF)



Pressed Board Manufacture which includes Wood Pellet and Medium-Density Fibreboard (MDF) Plants. 2016 is an estimated rate based on WSBC's 2016 payroll estimate. WSBC confirms the assessable payroll number in July of the following year for the previous year. This also applies to sawmill and harvesting calculations.

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Health and Safety Performance of the BC Forestry Industry - January 2017

bcforestsafety.org BC Forest Safety

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The above dashboard contains statistics and information for the period January-December, 2016. Updates will be posted on the BC Forest Safety Council website: [www.bcforestsafety.org](http://www.bcforestsafety.org).

# Our key beliefs

**These are our key beliefs that formed part of the original forest safety accord:**

- All forestry fatalities and injuries are preventable.
- The safety of forestry workers is an overriding priority.
- Safety excellence is key to the long-term success of our industry.
- Injury prevention is most effective when industry (rather than regulation) leads the change.



# Why safety matters

## Some of the reasons why we know safety matters:

- Moral imperative. Safety is the right thing to do.
- Each of us is responsible for safety.
- It is fundamental to industry's social license to operate.
- Top performing companies that perform well financially, are reputable and sought-after partners, employers, suppliers and contractors, also have top performing safety records.
- Excellence in safety means excellent operational performance.
- Safe operations mean fewer incidents and near misses; fewer costly lost production hours, lower insurance premiums; and better risk management.
- Everyone deserves to go home safe at the end of the day.



# Finding new ways to prevent injuries and fatalities



Ken Higginbotham.

**O**n reflection, 2016 saw significant work being done and progress made on a number of industry initiatives across many aspects of forest harvesting and manufacturing to support industry in our shared goal of getting to zero fatalities.

Yet, 10 workers lost their lives in direct harvesting incidents and two workers died while on the job in manufacturing – each incident preventable.

Collectively, industry, unions and workers, as well as associations and industry working groups remain focused on how to secure continuous improvements and get to zero. But we have to pause and ask ourselves: how do we breakthrough to make the next significant step change that allows all workers to get home safe each day?

If we are going to secure that breakthrough, it will surely come from the boots on the ground – from listening effectively to the frontline workers in all forestry

settings who deal with the operational challenges day in and out.

To this end, we continued on the track of having safety initiatives being industry-led, a commitment that is crucial to ensuring ownership and effective implementation of practical programs that are led by, built by and made for industry, based on grassroots input, review and testing.

We now have 11 dedicated industry working groups and as I mentioned last year, the Trucking Advisory Group has now expanded its role to include the reduction of fatalities and serious injuries associated with the various phases of logging in the Interior. It is now known as the Trucking and Harvesting Advisory Group.

In manufacturing, the Manufacturing Advisory Group (MAG) is working with WorkSafeBC to improve worker safety through the use of new safeguarding technology. In addition, MAG with the support of the BC Forest Safety Council (BCFSC), is working on a project that will provide improved injury data information that will be used to inform future injury reduction strategies. The wood pellet manufacturing sector through the Wood Pellet Association of Canada also continues to make good progress on a number of initiatives with a focus on process safety management.

## Outlook in 2017

In 2016, the outlook was addressing the question: “what is

qualified?” The 2017 outlook is seeing the completion of the work for yarding and falling that will ensure competencies, training, and evaluation systems are in place for trainees, trainers and assessors, securing well-defined and defensible systems to support not only what a qualified operator is but that every new incoming worker has the necessary knowledge, training and skills for a productive effective, efficient and injury-free workforce.

On the falling side extensive work has been completed by industry in support of the recommendations in the Deloitte Report commissioned by WorkSafeBC and supported by the BCFSC.

Progress has been made on the revised modularized falling program (that allows maximum mobility between industry, wildfire and oil and gas). It is at the point that it is presently being submitted to WorkSafeBC for review to approve to pilot with industry, after approval by the three industry administrators – Enform, BC Wildfire Service and the BCFSC – earlier this month.

On log hauling both implementing a solid training program for new log haulers as well as addressing key issues that impact safety – continue to be worked.

Fatigue has garnered a lot of attention across all industries and log hauling is no exception. Creating awareness has been the first

piece with industry holding 17 information sessions across the province to help support drivers, supervisors and others better understand the risks and short-term mitigation tactics. Industry will look long and hard at systemic solutions that are sustainable.

In closing, I would like to extend my sincere appreciation to my fellow Board members, all staff, contractors, trainers and the countless members of industry who give tirelessly of their time, expertise and experience to make a difference in our industry's safety performance.

Thank you for your continued dedication and commitment to safety,



Ken Higginbotham  
Chair, Board of Directors  
BC Forest Safety Council  
June 2017

### Did you know:

1. BCFSC staff and contractors travelled more than 300,000 kilometres by road across the province to do site visits, deliver training, conduct audits and support members of industry in safety in 2016?
2. The BCFSC has 30 full time staff — three in Prince George; one in Houston, one in Kelowna and the rest in Nanaimo?
3. The topic the BCFSC heard most about in 2016 from workers was road conditions and road safety?
4. Some people think we are a branch of WorkSafeBC when we in fact work for industry, directed by industry?
5. We are a not for profit governed by the BC Societies Act?
6. Through outreach we get to talk with thousands of forestry operators and workers each year, learning what the issues are and getting input on how best to improve safety?
7. Fallers, log haulers and machine operators as well as general slips, trips and falls still accounted for the most frequent injuries in forestry in 2016?

# Building on strong foundations



Rob Moonen.

**O**verall, 2016 was another productive year for the organization in supporting industry safety initiatives. Still, 10 fatal incidents were recorded in the woods compared to the eight fatalities in 2015.

## 10 fatalities too many

I extend our heartfelt condolences to all the families, friends and colleagues of the deceased. While we honour these men and women every April 28 at Day of Mourning ceremonies, our greatest tribute and contribution collectively and personally is to find new ways to tackle the issues and circumstances that lead to these fatalities.

## Building on strong foundations

2016 can be characterized as a year in which we “stayed the course” within in the context of building on our strong foundations and moving BC forest safety in new and exciting directions.

In “staying the course”, one of the primary focus areas of the BCFSC is ensuring that the forest industry has the skilled workforce it needs in the future. Starting in 2016, the BCFSC has been working with various forestry stakeholders aimed at enhancing worker safety. The goal of the project is to establish the competencies and develop assessment tools that employers can use to evaluate worker qualifications for careers in falling, silviculture, integrated harvesting and resource road building.

These efforts represent a significant commitment by the BCFSC and industry in terms of resources and we have been fortunate to access multiple funding streams to offset industry costs. This work will continue to be a focus of the BCFSC’s efforts in supporting the development and assessment of a qualified and component workforce where workers are well trained and well supervised leading to better safety outcomes which fulfils a key mandate of the Forest Safety Accord: [http://www.bcforestsafe.org/files/council-04-01-01\\_task\\_force\\_report.pdf](http://www.bcforestsafe.org/files/council-04-01-01_task_force_report.pdf)

We continued on the track of having safety initiatives being industry-led, a commitment that is crucial to ensuring ownership and effective implementation of programs. Detailed information on the industry advisory groups and committees can be found at:

<http://www.bcforestsafe.org/node/2523>. To support these initiatives, BCFSC staff continued to be where it matters most where the boots are on the ground – with over 780 visits and events interfacing with over 8,500 people in the forest industry. We continue to get feedback that the visits to employers and operators is one of the best ways the BCFSC can support positive change in industry.

## Significant progress in manufacturing

In manufacturing, significant progress and tangible improvements have been made by sawmills and the wood pellet sector through the commitment of industry leadership and the work of employers, workers, unions and other stakeholders to ensure the hazard of combustible dust continues to be managed. In the final WorkSafeBC report for sawmill locations in 2016, the combustible wood dust inspection initiative provided positive indicators that industry’s combustible wood dust management programs continue to be effective and sustainable with a compliance rate of 98%.

## Outlook in 2017

In 2017, the BCFSC will continue to work with industry to develop the training and assessment tools to develop workers. A total of 33 additional occupational guidelines in harvesting

will be developed with the help of industry experts. In addition, the BCFSC will continue to work with industry, WorkSafeBC, and the two other administrators of the BC Fall-er Training standard to pilot the new faller standard with the goal of ensuring the standard meets the needs of industry and ensures new fallers have the knowledge and skills necessary to do their jobs safely.

Following the overhaul of SAFE Companies in 2014, we continue to receive positive feedback from industry. To ensure that the SAFE Companies certification process continues to meet the needs of industry and support improved safety outcomes, BCFSC will be soliciting feedback from industry through a series of town halls across the province and through an industry group representing a diverse cross-section of SAFE Companies.

The BCFSC will also continue to support the industry advisory groups through the identification, development, and implementation of forest sector initiatives aimed at reducing serious injuries and fatalities. In 2017, BCFSC will be working with industry to establish a process to review a number of key initiatives that have been implemented to ensure these initiatives are delivering their intended safety outcomes.

Finally, I would like to extend my sincere appreciation to Ken Higginbotham, Board Chair, the BCFSC Board of Directors, staff, contrac-

tors, trainers and the countless members of industry who give their time, expertise and experience to make a difference in our industry's safety performance and our communities.

Thank you for your continued commitment and support.



Rob Moonen  
Chief Executive Officer  
BC Forest Safety Council

June 2016

## BOARD CHAIR

Ken Higginbotham

## COMMITTEES OF THE BOARD (as at June 2017)

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 Council 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 Council's certification, training and other safety programs.

## BOARD COMMITTEE CHAIRS

Lead Director and Governance Committee Chair: Reid Hedlund

Audit & Finance Committee Chair: David Elstone

Human Resources Committee Chair: Stephen Mackie

Program Committee Chair: John Betts

## BOARD MEMBERS and their years of service to the Board

### **Brian Baarda**

Chief Operating Officer, TimberWest — incoming board member

### **John Betts**

Executive Director, Western Forestry Contractors' Association — 13 years

### **David Elstone**

Executive Director, Truck Loggers Association — 1.5 years

### **Jason Fisher**

Associate Deputy Minister, Forest Sector, Ministry of Forests, Lands and Natural Resource Operations — 1 year

### **James Gorman**

Vice-President, Corporate and Government Relations, West Fraser — 2.5 years

### **Reid Hedlund**

Chairman, Interior Logging Association — 9 years

### **Andrew Horahan**

Vice President, BC Operations, Interfor Corporation — 1 year

### **Stephen Mackie**

Senior Vice President, Canadian Operations, Canfor — 1.5 years

### **Robert Matters**

Chair, United Steelworkers Wood Council — 3.5 years

## 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, 2016, the BCFSC had **62 voting members** as follows (in alphabetical order):

1. Akehurst and Galvani Reforestation Ltd.
2. Apex Forest & Wildfire Services Ltd.
3. BC Community Forest Association
4. Blue Thunder Contracting Ltd.
5. Boom Bay Contracting
6. Brinkman & Associates Reforestation Ltd.
7. C.A.S. Forest Care Ltd.
8. Canadian Forest Products Ltd.
9. Carney’s Falling Ltd.
10. Cecil Hill Contracting Ltd.
11. Coast Forest Products Association
12. Copcan Contracting Ltd.
13. Council of Forest Industries
14. D/T Blasting Ltd.
15. Daniel Boyd Fretts dba Windfall Enterprises
16. Federation of BC Woodlot Associations
17. Folklore Contracting Ltd.
18. Frost Lake Logging Ltd.
19. Gorman Bros. Lumber Ltd.
20. Greenpeaks Resource Management Ltd.
21. Helifor Canada Corporation
22. Hytest Timber Ltd.
23. I. Crosby Contracting Ltd.
24. Independent Wood Producers Association
25. Interior Logging Association
26. Interior Lumber Manufacturers’ Association
27. International Forest Products Limited
28. Island Timberlands Limited Partnership
29. Joe Dowe Enterprises Ltd.
30. Keith Barendregt & Kathy Barendregt dba Keila Contracting
31. Ministry of Forests, Lands and Natural Resource Operations
32. M.S.M. Falling Ltd.
33. Namgis First Nation & Atli Resources Corporation
34. Newco Logging Ltd.
35. North West Loggers Association
36. P.L.R. Log Contracting Ltd.
37. Sibola Mountain Falling Ltd.
38. Sladey Timber Ltd.
39. Slew Foot Logging Ltd.
40. Smokey River Holdings Ltd.
41. Spectrum Resource Group Inc.
42. Stones Bay Holdings Ltd.
43. Strategic Natural Resource Consultants Inc.
44. Summit Reforestation & Forest Management Ltd.
45. Superior Selfloading Ltd.
46. TDB Consultants Inc.
47. Timberline Reforestation (2004) Ltd.
48. TimberWest
49. Topknot Timber Co. Ltd.
50. Trevor Bennett Trucking Ltd.
51. Truck Loggers Association
52. Ts’kw’aylaxw First Nation
53. United Steelworkers–IWA Council
54. Van Isle Falling Ltd
55. W and E Services Ltd.
56. W.D. Moore Logging Co. Ltd.
57. West Fraser Mills Ltd.
58. Western Fallers’ Association
59. Western Forest Products
60. Western Forestry Contractors’ Association
61. Weyerhaeuser Company Limited
62. Zanzibar Holdings Ltd.

## In 2016 the BC Forest Safety Council's training and program development department worked with industry to improve existing training resources and build new competency guidelines to help employers assess their workers.

Industry experts, instructors and training participants were very active in providing guidance on what knowledge and skills are needed to train qualified workers and supervisors. The department's work continues to support the industry's goal of eliminating fatalities and serious injuries.

### Training courses well attended

Demand for training remained strong in 2016 with total of 1,823 workers and supervisors trained. This number is down slightly from 2015 which saw 1,976 training participants. However, this number is over the 5 year average (2011 to 2015) of 1,699 participants.

Approximately 50% of participants attended SAFE Companies health and safety training. The other 50% of participants attended incident investigation, supervisor, chainsaw and resource road driver training courses. The three module forest supervisor courses saw another increase in attendance with 463 participants; 326 individuals took part in 2015.

There has been an increased demand for requested training. Requested training is any course delivered at the company or contractor's workplace at the time and place that works best for them. This type of training is popular (281 seats delivered in 2016) as it saves companies costs and the training is held when it fits in with their schedule.

### Resources aligned with industry needs

Council staff offered a range of workshops and special presentations. Prime contractor and steep slope logging workshops were delivered for industry groups and at industry conferences. Presentations on how to build a safety culture occurred at a number of locations.

The training department worked with industry falling experts to develop a new standard for training new fallers. This work will support the recommendations of the August 2015 Deloitte report which identified several areas of improvement with the current BC Faller Training Standard. and will continue into 2017 when the finalized standard will be presented to WorkSafeBC for review and approval.

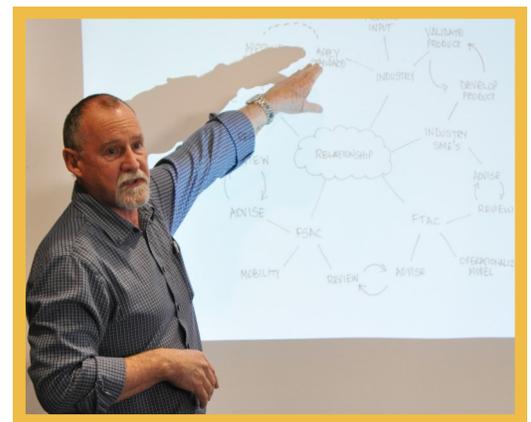
In 2016, competency guidelines were created for 6 cable yarding occupations. These guidelines can be used on the job by employers to assess their workers to make sure they are qualified and have the knowledge and skills necessary to do their jobs safely. Online learning

resources were also created to help those yarding workers who are new to the job or have gaps in their knowledge.

### Outlook for 2017

In 2017, scheduled and company requested training courses will continue to be delivered across the province. The content and delivery of the training will be continually improved and more training will be offered online through a new online learning management system. The training department will continue to support safety conferences in Vernon, Prince George and Nanaimo.

Industry will again be involved with building training and assessment tools to help develop their workers. A total of 33 additional occupational guidelines covering mechanized logging, road building, transportation and silviculture will be developed with the help of industry experts.



*Russel Robertson, Director BCFCSC Training and Program Development.*



New faller training standards are discussed at a 2016 Falling Technical Advisory Committee meeting. Two industry-led annual safety conferences are staged at no cost to participants thanks to industry sponsorship as well as organizational and administrative support provided by the BCSC.

**Key measurable objectives and 2016 performance include:**

Workplan Item	Objective	Actual Performance	Comments
Skills for Qualified Workers.	Build learning resources to support 6 yarding occupations.	Yarding learning materials developed with industry experts and put into online learning management system.	The new materials will be tested beginning April 2017, industry feedback will be sought and improvements will be implemented as required.
Deliver SAFE Companies Training – the number of training seats delivered are driven primarily by industry demand and the SAFE Certification cycle.	Offer 376 Small Employer/Independent Owner Operator seats.  Offer 36 Large Employer Auditor seats.  Offer 170 refresher training seats to Small Employer/Independent Owner Operators.	507 Small Employer/Independent Owner Operator trained.  34 Large Employer Auditors trained.  259 Small Employer/Independent Owner Operator trained.	To improve access throughout BC, online materials are being tested.  2017 training seats for SAFE Companies are forecasted at equal or greater than 2016.
Deliver Forest Supervisor and Falling Supervisor training based on industry demand and requested training.	Offer 260 supervisor training seats (in each of the 3 modules).  Offer 72 falling supervisor seats	175 Due Diligence for Supervisor, 147 Communication and 141 Leadership and Professionalism seats delivered = 463 total.  51 falling supervisor seats delivered.	Demand for the 3 modules remains strong in 2017 YTD. Additional modules are planned to be developed in 2017.  Demand for falling supervisor training is decreasing.
Deliver Basic and Advanced Incident Investigation training.	Offer 70 basic investigation seats.  Offer 36 advanced investigation seats.	156 seats of basic investigation training delivered.  60 seats of advanced investigation training delivered.	Demand for Incident Investigation (both courses combined) is decreasing.

# SAFE Companies reach continues to grow across the province

**The number of companies that work to achieve or maintain their SAFE Certification continues to grow, with a total of 2,761 independent owner operators, small, medium and large forestry operations being SAFE Certified in 2016.**

With this growing number of SAFE Companies comes greater volumes for our group in terms of registration, audit processing, training, etc. The SAFE Companies team completed 2,936 desktop reviews of annual audits, with an average review and processing turnaround time of 35.5 days for each audit; a 40% reduction from 2015.

In 2016, we saw fewer companies being removed from the SAFE Companies certified list for not submitting and successfully passing their SAFE Companies Audit. At the end of 2016, 94 companies had SAFE certification removed for not submitting an audit by December 31, 2016, representing an 18% reduction compared to the 115 companies that were removed at the

end of 2015. In 2016, we started targeted communications to employers reminding them about their audit due dates, and will continue to work with industry to help them through this process.

In addition to the large volume of audit processing that was done, SAFE Companies completed a total of 372 in-field Verification Audits in 2016. In partnership with industry, we also completed three Real-Time Review sessions conducted in the Prince George/Quesnel/Williams Lake Region, Princeton and Vernon where SAFE Companies had the op-

portunity to meet face to face with Safety Advisors to get immediate feedback on their SAFE Companies Audit submission. As a result of the positive feedback about these sessions during the past few years, we are looking for additional opportunities to offer similar Real-Time-Review sessions across the Province in 2017.

In 2016, we saw the biggest uptake in electronic submission of annual SAFE Companies audits, with almost 62% of all submissions being submitted electronically.

## How your SAFE Certification maintenance audit came into the BC Forest Safety Council

Option	Number of Audits
Email	1296
Paper	1033
Upload via website	374
Fax	28
Thumb-drive	10
CD	2

*All SAFE companies are strongly encouraged to use electronic means (email or upload) as these two methods ensure the quickest processing times. Paper versions have to be taken apart and each page individually scanned which can delay processing.*

### SAFE Certifications Achieved

	2016	2015	2014
Individual Owner Operators (IOOs:1-2 persons)	643	660	662
Small Companies (ISEBASE & SE BASE:2-19 workers)	1799	1746	1701
Large Companies (BASE: 20 or more workers)	319	295	275
<b>Total</b>	<b>2761</b>	<b>2701</b>	<b>2638</b>

## Looking forward in 2017

In 2017 we will continue to look at ways to make the work that you do to maintain your SAFE Certification as simple and streamlined as possible. For anyone who still wants to submit by paper, you will always have that option, but we are also going to explore – with tons of input from SAFE Companies (through the town halls and surveys) – how best to leverage technology where it makes sense to make SAFE Companies interactions with us as easy, quick, efficient and seamless as possible for all companies regardless of size or available resources.

WorkSafeBC needs to know how industry – all forestry companies – feel about the proposed COR policy changes. The BC Forest Safety Council is doing three things to help with this:

**1. SAFE Companies Advisory Committee (SCAC)** is a diverse group of individuals that represent a good cross-section of SAFE Companies across size, region and industry activity. SCAC will meet regularly to help provide feedback on many topics affected SAFE Certified companies, starting with COR feedback for WorkSafeBC. This feedback is in addition to feedback any forestry company may have chosen to give back to WorkSafeBC directly.

**2. Town Halls** will be hosted at 24 venues across the province in April-May, 2017 to solicit feedback from

industry on the SAFE Companies program, resources, processes, safety in general and what you SAFE Certified companies want to tell WorkSafeBC about the proposed COR policy revisions.

**3. A survey of all SAFE Companies** was conducted in Q1-Q2, 2017 to help inform the SCAC to help support improvements where necessary to the SAFE Companies program and to communicate to WorkSafeBC on the proposed COR policy changes.

Early in 2017, we entered into an agreement with the BC Construction Safety Alliance to grant their members who have a valid COR certificate a SAFE Certificate after taking some BC Forest Safety specific training offered in the new “Forest Safety Overview” course. We followed up with a similar agreement with ENFORM and are looking to engage in discussions with Safety Driven for similar agreement later in 2017.

The lost time days for our industry is 97 days (as at February 2017, WorkSafeBC statistics). When studies show that there is a less than 50%



*Cherie Whelan, Director SAFE Companies.*

chance of a worker returning to work after an absence of 12 weeks, that is a sobering thought. That is why we will also be focusing in 2017 on helping to develop best practices for “Recover at Work” throughout our interactions with employers.

While there is uncertainty whether the WorkSafeBC Return To Work (RTW) rebate will continue for those that have maintained that status, it is still in the best interest of workers, contractors, and licensees to ensure that we have a stable and fit workforce.



# 2016 saw focus on developing new faller standard curriculum

**In 2016, the BC Forest Safety Council's falling department continued on some major initiatives that were started in 2015 and which will continue well into 2017.**

While deaths of fallers have decreased over time, (along with lower production) we cannot afford to be complacent. We can and must get to zero. There were two falling fatalities in 2016. Both incidents involved the falling of danger trees which struck adjacent timber. We all know that this is not a new risk or hazard; it is one we all know and one we talk about frequently.

Our deepest condolences go out to the family, friends and falling partners of the deceased.

## Shaping a new system

We have continued to support the collaborative efforts of industry to help shape the framework for a competency based system, following on the Deloitte Report recommendations. Six technical writers were engaged in September of 2016, working with faller subject matter experts to begin writing the curriculum defined in the new framework. This work will continue in 2017 with an application being made to WorkSafeBC for permission to pilot.

In addition, completion of a certification pilot was achieved in 2016 and approval from the Faller Standard Advisory Committee

(FSAC) and WorkSafeBC was received for the revised BC Faller Training Standard Field Examination and Evaluation (the 47-pager) for faller certification. FSAC is an inter-organization committee that maintains ongoing dialogue between WorkSafeBC and the administrators of the BC Faller Training Standard — the BCFSC, BC Wildfire Service and Enform.

A total of 11 fallers were certified in 2016 by the BCFSC.

Falling Supervisor Certification continued in 2016 with 23 supervisors successfully achieving certification during the year.

## FTAC support continues

The falling department continued to support the Falling Technical Advisory Committee (FTAC) and their initiatives which in turn inform and shape the annual work plan for the falling department.

2016 saw the analysis and prioritization of issues identified by fallers through FTAC's December 2015 faller survey. All the key items identified helped shape the group's development of the 2017 work plan.

FTAC also completed a Mechanical Falling and Hand Falling Info Flip which continues to be distributed to fallers and falling supervisors on request. The Info Flip focuses on achieving the best outcomes for fallers when mechanical falling and hand falling work together. The most importation aspects are in preparation and plan-

ning to ensure proper coordination and that one phase does not create hazards for other phases.

Another FTAC project that was completed in 2016, was "7 fallers, 280 years of experience, 0 injuries, 7 shared practices" which shares the practices seven fallers say kept them safe and injury-free over their careers. These booklets were mailed to all active fallers in 2016.

## Last BCFSC New Faller Training sessions in 2016

June 2016 saw the last 30-day New Faller Training course run by the BCFSC. Following a board decision it was determined that the BCFSC's efforts were best suited supporting an industry training model and continuing to evaluate, certify and manage the certification process on industry's behalf. In 2016, seven fallers were trained by the BCFSC and six through industry training partners. At the end of 2016 there were 9 industry training partners in place to carry out training.

The benefits of industry training include the licensee/contractor already having a relationship with a potential new faller (prior industry knowledge and experience) and a relationship with the pro-



*Glenn Hestnes, the BC Forest Safety Council's falling program manager, up until June 2017.*

spective trainee for the up to 180 day post initial training for the most effective in-work mentorship, supervision and continued employment.

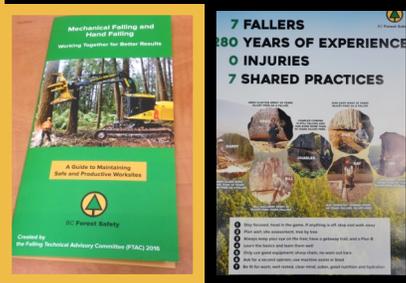
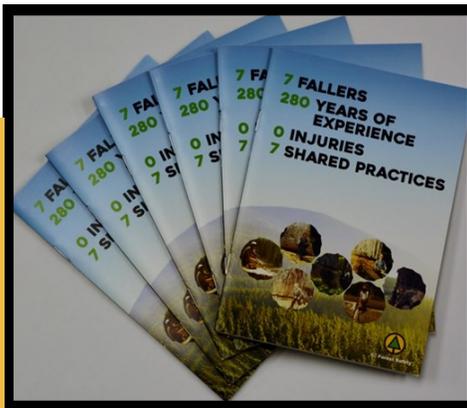
A total of six BCFSC certified fallers successfully completed training to become Qualified Faller Trainers (QFTs). The QFT program prepares experienced fallers to teach the BC Faller Training Standard program in a one-on-one Industry Training Partner setting.

### Outlook for 2017

Work will continue to complete the new faller standard curriculum, training and assessment pieces to ensure that they are all ready to roll-out to new fallers entering the profession in 2018 and 2019.

### 2016 by the numbers:

<b>Average age of fallers</b>	<b>55 years</b>
<b>New fallers successfully trained</b>	<b>13</b>
<b>Number of industry training partners</b>	<b>9</b>
<b>Qualified Faller Trainers successfully completed training</b>	<b>6</b>
<b>Falling advocacy visits and outreach</b>	<b>648</b>



Above: Among the many projects the Falling Technical Advisory Committee-led and directed projects that the falling department completed in 2016 included a Mechanical Felling and Hand Felling Info Flip and a safety booklet and poster based on seven fallers' inspirational injury-free careers.

# Log truck driver training and support in place to help reduce incidents

**In 2016, high profile log hauling rollovers decreased by 25% provincially. However, serious injuries increased in 2016 when compared to 2015 within the Integrated and Log Hauling CUs. The BC Forest Safety Council will continue to focus on supporting industry to reduce injuries and fatalities.**

The following provides a summary of some of the initiatives that were worked on in 2016.

## **Data Acquisition and Analysis**

A safety goal is to have a clear and ongoing understanding of the causes and conditions that are contributing to fatalities and serious injuries in the forestry transportation sector. Work in 2016 included the further defining of requirements, access, availability, and priorities related to safety data, expansion of MOUs with data sharing partners, the acquisition of fatality and other incident investigation reports, related data and other information (from WorkSafeBC, BC Coroners Service, Insurance Corporation of BC, licensees etc.) and related analysis.

## **Log Truck Driver Training and Professional Endorsement**

Based on the completion of the Log Truck Driver Training and Professional Log Hauler Endorsement Programs next steps will see the fur-

ther expansion of these programs with industry partners.

## **Vehicle Identification Numbers**

2016 saw the continued development of the VIN project. Key initiatives included improving the look, feel, functionality, accessibility and system tools (phone and web-based). Continued support for the provincial program and the expansion of the program to interested organizations was provided. 257 new vehicles were registered in 2016.

## **Industry Working Groups**

The BCFSC's transportation and northern safety office provides support to some of the 11 industry-led safety working groups.

## **Trucking and Harvesting Advisory Group (TAG) tackles fatigue**

Phase one of a log truck driver fatigue study was initiated. Findings indicated fatigue is an issue within the log hauling sector, particularly during night shift operations. Based on these findings a second phase of the study was planned for initiation in 2017. In addition, fatigue specific training for log haulers was developed for use in TAG operations in 2017.

## **Log Truck Technical Advisory Committee (LTTAC)**

LTTAC continued its work on the development of an industry-led log truck driver training and professional endorsement that works for owners, contractors and drivers. The in-

tent is to provide a suitable and effective training standard for new log haulers beyond class 1 licence and air brake training which addresses key competency requirements and promotes safety. In addition, professional endorsement that enables practical and efficient means to assess competency and improve performance for existing log haulers was worked on. LTTAC also made progress in the development of a Provincial Road Maintenance Guideline focused on improving log hauling safety.

## **Woodlot Licence and Community Forest Agreement Safety Committee (WLCFASC)**

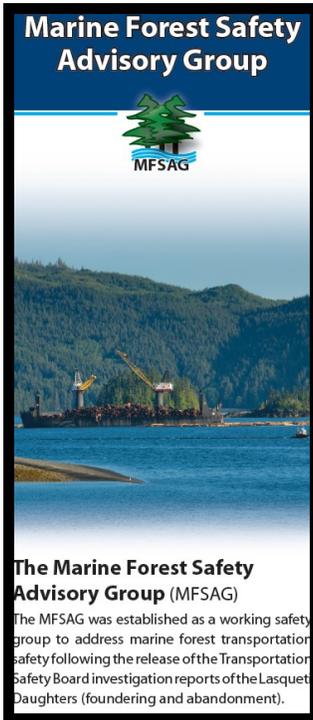
The WLCFASC continued its work in 2016 with the support of the BC Community Forest Association and Federation of BC Woodlot Association with the goal of improving safety within community forests and woodlot operations. One of the key elements in 2016 was raising awareness with regards to safety responsibilities pertaining to woodlot and community forest licensees.

## **Bulk Haulers Injury Elimination Taskforce (BHIET)**

The BHIET has focused on identifying safety issues within the sector and focussing on actions to reduce injuries and fatalities in 2016.

## **Marine Forest Safety Advisory Group (MFSAG)**

The MFSAG was established in order to address safety in the marine environment. The focus for the



group has been key safety communications and the development of crew boat and tug boat operator competencies.

### Wood Pellet of Canada Safety Committee (WPAC SC)

WPAC SC made significant progress on initiatives identified in its 2016 work plan. Key areas of focus were syngas, combustible dust management incident reporting, machinery guarding, process safety management and confined space management. 2017 will see an expansion of these items and the development of new initiatives as identified in the current WPAC SC work plan.

### Air Carriers Safety Working Group (ACSWG)

The ACSWG is focused on improving safety performance for both the float plane operators and the forest industry passengers they transport. They have been working on the development of safety pro-



*Dustin Meierhofer, Director Transportation and Northern Safety.*

ocols/best practices for industry and an audit program to support float plane safety in BC.

### Outlook for 2017

Transportation and Northern Safety will continue to work on industry initiatives undertaken in 2016 during 2017 and seek to support industry in further improving safety performance in BC.

The second phase of the log truck driver fatigue has been initiated. It is expected that this phase will support findings in 2016 and provide the basis for developing future fatigue management strategies and actions for industry. Fatigue training has been initiated within TAG operations specific to log truck drivers.



## Statement of Financial Position

The BC Forest Safety Council (BCFSC) is in a strong financial position with cash and equivalents sitting at \$1.53 million net of restricted amounts compared to \$1.46 million in 2015. The organization had a clean audit with no follow ups required. The BCFSC is financially sound.

	December 31, 2016	December 31, 2015
<b>Assets</b>		
<b>Current</b>		
Cash	\$ 1,530,877	\$ 1,467,228
Accounts Receivable	82,817	84,261
GST receivable	15,412	8,895
Prepaid Expenses	123,958	97,636
Deposits	6,949	6,949
Externally restricted cash	372,549	368,658
	<u>2,132,562</u>	<u>2,033,627</u>
<b>Capital Assets</b>	<b>227,691</b>	<b>290,631</b>
<b>Internally restricted cash</b>	<b>407,290</b>	<b>407,290</b>
	<u>\$ 2,767,543</u>	<u>\$ 2,731,548</u>
<b>Liabilities</b>		
<b>Current</b>		
Accounts payable and accruals	\$ 208,572	\$ 303,180
WorkSafeBC - COR	215,770	271,885
Deferred revenue	660,557	627,184
Deferred contributions – Other Projects	372,549	368,658
Deferred contribution – Capital Assets	56,000	72,000
	<u>1,513,448</u>	<u>1,642,907</u>
<b>Net Assets</b>		
Unrestricted	\$ 675,114	\$ 462,720
Invested in Capital Assets	171,691	218,631
Internally restricted	407,290	407,290
	<u>1,254,095</u>	<u>1,088,641</u>
	<u>\$ 2,767,543</u>	<u>\$ 2,731,548</u>

## Statement of Operations

	December 31, 2016	December 31, 2015
<b>Revenues</b>		
WorkSafeBC	\$ 5,462,296	\$ 4,739,701
Program Fees	845,206	1,083,799
Other government grants	71,328	-
Interest and other	26,441	34,338
Amortization of deferred contributions	16,000	8,000
	<u>6,421,271</u>	<u>5,865,838</u>
<b>Expenses</b>		
Advertising	26,452	36,843
Amortization	74,196	58,309
Bank charges and interest	19,393	18,703
Books and supplies	68,895	98,959
Communication	102,828	95,869
Computer	45,329	24,906
Consultants	166,423	202,656
Contractors	935,988	971,105
Conventions and conferences	93,971	89,003
Directors and committee meetings	168,764	135,308
Dues and memberships	15,205	18,914
Employee benefits	512,692	505,853
Facilities and catering	86,540	73,830
Insurance	21,483	23,986
Legal	9,766	45,675
Office	135,965	127,358
Professional fees	13,609	12,974
Project development	361,305	375,492
Rent	112,104	113,507
Repairs and maintenance	36,726	22,218
Salaries and wages	2,663,084	2,554,907
Telephone	56,105	58,513
Training	431	8,220
Travel	484,007	483,004
Vehicle	44,556	46,712
	<u>6,255,817</u>	<u>6,202,824</u>
<b>Excess of revenues over expenses</b>	<b>\$ 165,454</b>	<b>\$ (336,986)</b>

**Air Carrier Safety Working Group**

Bob Bates, Independent  
 Bruce McDonald, Inland Air  
 Eric Scott, Harbour Air  
 Jim Hartwell, Float Plane Operator Association  
 Nick Hawes, LD Air  
 Vince Crooks, Sea Air

**Bulk Haulers Injury Elimination Taskforce (BHJET)**

Brad Evans, Excel Transport  
 Brent Van Kleeck, Tycrop  
 Dean Jardine, Elite Transport  
 James Gelowitz, Canfor  
 Jeff Postnikoff, WorkSafeBC  
 Kim Miller, Excel Transport  
 Kristina Lewis, Lomak  
 Lance Hamblin, Stardust  
 Mithun Shetty, FP Innovations  
 Nicole Pretty, Lomak  
 Paul Manwaring, M4 Enterprises  
 Rick Miller, Lomak  
 Scott Allen, Elite Transport

**Coast Harvesting Advisory Committee (CHAG)****Working Team**

Craig Fredrickson, Mount Sicker Lumber Company  
 Don Holmes, TimberWest  
 John Bulcock, Western Forest Products  
 Ken Higginbotham, Facilitator  
 Mark Leitao, Island Timberlands  
 Noel Poulin, Ministry of Forests, Lands and Natural Resource Operations  
 Ralph Friedrich, Interfor  
 Ron Corbeil, United Steelworkers  
 Steve Venus, Blue Thunder Contracting

**CHAG Steering Team**

Bob Matters, United Steelworkers  
 Brian Baarda, TimberWest  
 Darshan Sihota, Island Timberlands  
 David Elstone, Truck Loggers Association  
 Don Demens, Western Forest Products  
 Ken Higginbotham, Project Manager  
 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 and Natural Resource Operations  
 Mark Ponting, Ponting Logging  
 Mike McCulley, BC Timber Sales  
 Tom Jackson, Ministry of Forests, Lands and Natural Resource Operations

**Falling Technical Advisory Committee (FTAC)**

Aaron Steen, Licensee Coast Representative  
 Bill Boyes, Large Logging Contractor

Bill McKay, Large Falling Contractor  
 Chris McAllister, Licensee Coast  
 Chris Spronken, BC Wildfire Service Representative  
 Creole Dufour, Small Contractor (Faller) Interior Faller  
 Dave Weymer, Western Fallers Association Faller  
 Don Cleaver, Licensee Coast Representative  
 Francois Sauve, Western Forestry Contractors Association (Silviculture) Representative  
 Gary Bauer, Licensee Coast Representative  
 Glenn Erickson, Western Fallers Association Faller  
 Jack Miller, Union Rep or Union Faller (with falling background)  
 Jordan Nicolussi, Large Falling Contractor, Northern Interior  
 Mark Turnbull, Certified Utility Arborist (CUA) Representative  
 Neil Campbell, QS/T Interior Faller  
 Norm Kempe, BC Timber Sales  
 Richard Banner, Enform  
 Richard Butler, QS/T Coast Faller  
 Steve Kerrone, Large Logging Contractor  
 Terry Greaves, Small Contractor (Faller) Coast Faller  
 Tom Jackson, Ministry of Forests, Lands and Natural Resource Operations  
 Wayne Lintott, Interior Logging Association (ILA)

**Log Truck Technical Advisory Committee (LTTAC)**

Allan Roberts, RCMP  
 Chris Schaap, Casco Holdings Ltd.  
 Dave Barden, Barden Contracting Ltd.  
 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, FP Innovations  
 Vern Woods, Vern's Ventures  
 Wes Dyck, John Dyck Trucking

**Manufacturing Advisory Group (MAG)**

Art Bilodeau, Louisiana Pacific  
 Darren Beattie, Conifex  
 David Murray, Gorman Bros.  
 James Snow, Nechako Group  
 Jeff Larsen and Carrie Harilstad, Weyerhaeuser  
 John Bulcock, Western Forest Products  
 Kerry Douglas, West Fraser Mills  
 Mark Bettencourt, Interfor  
 Matt Franks, Canfor  
 Myrin Toews, Norbord & Ainsworth  
 Randi Zurowski, Carrier Lumber  
 Ruben Gaytan, Ian Gray and Joe Angyus, Hampton Affiliates  
 Russ Brackenbury, Downie Timber  
 Ryan Johnson, Tolko  
 Sharel Grimm, Pacific Bioenergy  
 Steven Mueller, Pinnacle Renewable Energy  
 S. Morabito, Downie Timber  
 Tony Mogus, Dunkley Lumber  
 Trudy Langthorne and Bruce McLean, Sinclair Group Forest Products Ltd.

### **MAG Steering Team**

Andrew Horahan, Interfor  
Bob Matters, United Steelworkers  
Brad Thorlakson, Tolko Industries Ltd.  
Don Demens, Western Forest Products Inc.  
Don Kayne, Canfor  
Greg Stewart, Sinclair Group Forest Products Ltd.  
Ken Higginbotham, Project Manager  
Ken Shields, Conifex  
Nick Arkle, Gorman Bros. Lumber Ltd.  
Rob Novak, Dunkley Lumber Ltd.  
Steve Zika, Hampton Lumber  
Ted Seraphim, West Fraser

### **Marine Forest Safety Advisory Group (MFSAG)**

Aloaki Tewari, Transport Canada  
Don Willson, Silver King Ventures  
Glenn Budden, Transportation Safety Board  
Lisa Houle, WorkSafeBC  
Robin Modesto, Interfor  
Timo Scheiber, Western Forestry Contractors' Association  
Tom Jackson, Ministry of Forests, Lands and Natural Resources 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  
Donnie MacLean, GreenStar Forest Solutions Inc.  
Dr. Jordan Tesluk, independent researcher  
J.E. (Ward) Stamer, Stamer Energy Resources  
John Bulcock, Western Forest Products  
Kevin Birch, B&B Tree Topping  
Kim Edmondson, M. Edmondson Contracting  
Margo Huppee, District of Mission Forestry Dept.  
Norm Druck, Weyerhaeuser  
Paula Moore, Platinum Stone Contracting Ltd.  
Tom Jackson, Ministry of Forests, Lands and Natural Resource Operations  
Valerie Dettwiler, Griffon Safety Solutions Ltd.  
Wendy Sherman, Gudeit Bros. Contracting Ltd.

### **Silviculture Advisory Committee (SAC)**

Alan Sidorov, Sidorov Advanced Driver Training  
Chris Akehurst, Akehurst and Galvani Reforestation  
Crawford Young, Spectrum Resource Group  
Dave Cornwell, Ministry of Forests, Lands and Natural Resource Operations  
Dr. Jordan Tesluk, independent researcher  
Jason Krueger, Summit Reforestation Ltd.  
Jo Graber, Jokat Safety  
John Betts, Western Forestry Contractors' Association  
Kerry Grozier, BC Timber Sales  
Sylvia Fenwick-Wilson, Zanzibar Holdings Ltd.  
William Moser – Spectrum Resource Group

### **Trucking and Harvesting Advisory Group (TAG) Task Team**

Dave Kent, Weyerhaeuser  
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 Mills  
Shawn Clarke, Gorman Bros. Lumber Ltd.  
Vern Woods, Log Truck Technical Advisory Committee

### **TAG Steering Team**

Barry Gladders, Tolko Industries  
Craig Tillander, BC Timber Sales  
David Elstone, Truck Loggers Association  
Kerry Douglas, West Fraser Mills  
Larry Price, Interfor  
Nick Arkle, Gorman Bros Lumber Ltd.  
Peter Baird, Canfor  
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 Owner/Williams Lake

### **Wood Pellet Association of Canada Safety Committee (WPACSC)**

Bill Carson, Rentech  
Bill Munro, Rentech  
Chris Amey, Rentech  
Christine Paradis, Foothills Forest Products  
Corey Gardiner, AON Reed Stenhouse  
Darrell Robinson, Shaw Resources  
Frank Bergen, Lactrete Sawmills  
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  
Kerry Douglas, West Fraser  
Mark Stevens, Foothill Forest Products  
Mathew Franks, Canfor  
Pierre-Olivier Morency, Rentech  
Robert Tarcon, Premium Pellet Ltd.  
Scott Bax, Pinnacle Renewable Energy Group (Chair)  
Sharel Grimm, Pacific Bioenergy  
Sidney David, Canfor  
Staffan Melin, Wood Pellet Association of Canada  
Steve Mueller, Pinnacle Renewable Energy Group  
Travis Peterson, Canfor

For forest industry safety information and support



**BC Forest Safety**

**NANAIMO**

420 Albert Street  
Nanaimo, BC  
V9R 2V7

Phone 1-877-741-1060  
[www.bcforestsafe.org](http://www.bcforestsafe.org)  
[info@bcforestsafe.org](mailto:info@bcforestsafe.org)

**PRINCE GEORGE**

104, 2666 Queensway  
Prince George, BC  
V2L 1N2