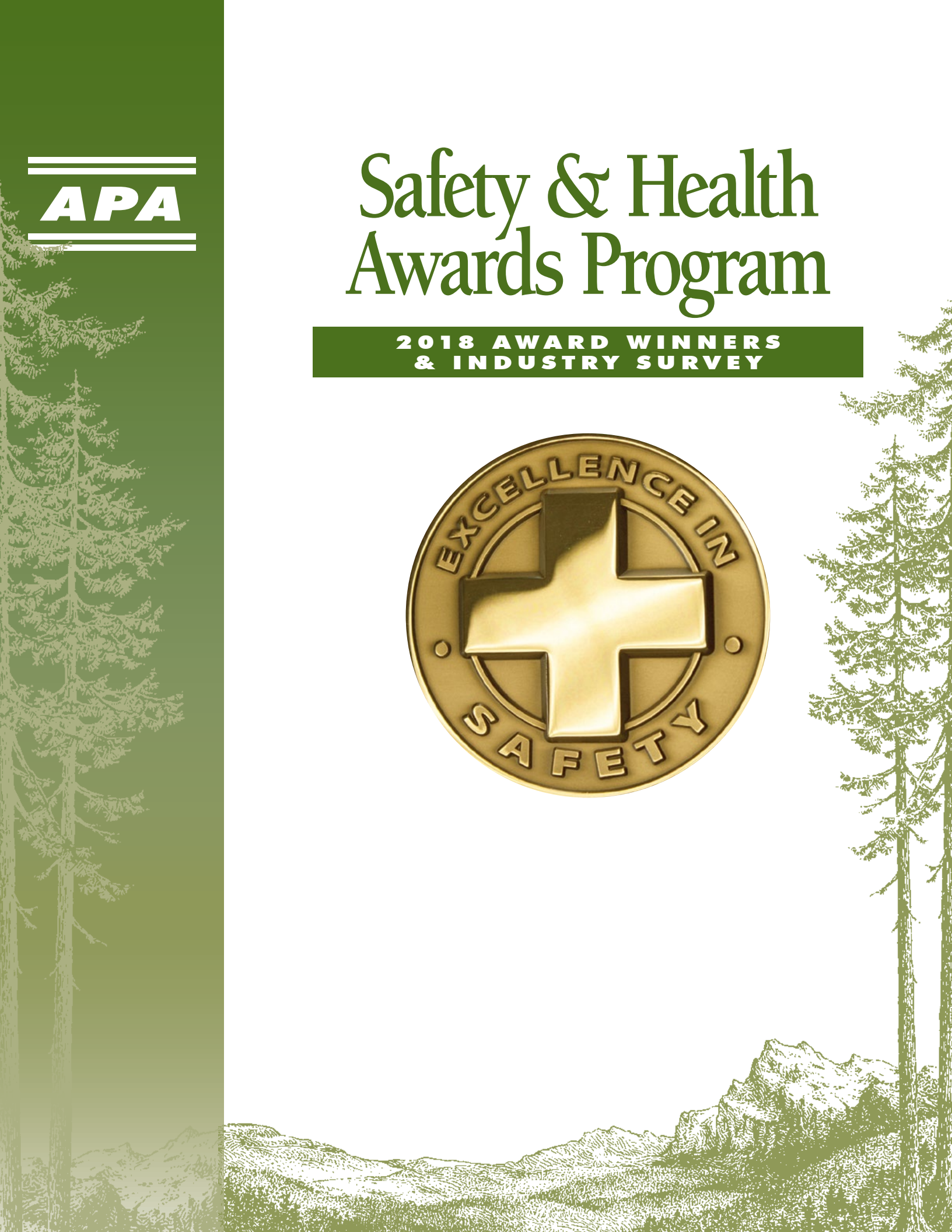




Safety & Health Awards Program

**2018 AWARD WINNERS
& INDUSTRY SURVEY**



APA SAFETY & HEALTH AWARDS – 2018

On behalf of the APA Safety and Health Advisory Committee, I would like to congratulate all of the 2018 Safety and Health Award Winners. Winning mills will be presented with a plaque recognizing their achievement and will receive further recognition at APA's 2019 Annual Meeting.

The APA Safety and Health Awards Program is the premier safety award program for the engineered wood industry in North America. It encourages and recognizes operational excellence with the goal of reducing injury and illness rates. While awards are limited to APA members, data from both member and non-member mills may be included.

The 2018 average Weighted Incident Rate (WIR) for our industry was 6.99, a significant decrease over last year's WIR of 8.43. The 2018 average Total Incident Rate (TIR) was 1.41, a decrease over last year's TIR of 1.77. We must continue to ensure that systems and processes are in place to improve the trend. Our employees deserve close attention to their personal safety, and it is simply good business.

	TIR	WIR
2018	1.41	6.99
2017	1.77	8.43
2016	2.33	10.67
2015	2.34	11.25
2014	2.05	10.83

WIR is calculated using both the number and severity of recordable incidents (see page 6 for formula). This 2018 Industry Survey shows the WIR and TIR for all participating mills. It also shows average data for three product divisions: OSB; plywood; and structural composite lumber (SCL), laminated veneer lumber (LVL), glulam and I-joist.

It is my distinct privilege to represent such a committed and capable group of safety professionals. Our committee is dedicated to sharing what we learn from serious incidents and best practices that will help our respective companies provide safer workplaces which better protect our most precious asset...our employees. We realize none of us are smarter than all of us and safety is one area in our competitive environment in which we can collaborate without worry. Safety is a *system* in a continual state of improvement and is influenced by the other business systems in each company. We create the systems in which our employees operate and we have a duty to make those systems as free from harm as possible. Our collaboration among the wood products safety professionals is the pathway to that goal and we welcome your contributions.

If there is a safety need or issue that our committee can help with at your company or location, please let us know. If your company is not currently represented, we encourage you to get involved. We welcome the opportunity to broaden our committee membership.

Please plan on attending our Safety Workshop to be held in conjunction with the 2019 APA Annual Meeting, which is scheduled for November 2-5 in Tucson, Arizona. I look forward to adding your experience to our shared journey.

Terry Evans, CSP Boise Cascade Company
Wood Products Division Safety Manager
Safety and Health Advisory Committee Chairman

APA SAFETY & HEALTH AWARDS – 2018

Safety and Health Advisory Committee Members

Terry Evans

Chairman | Boise Cascade Company

Sam Newbill

Vice-Chairman | Hood Industries, Inc.

Jocelyn Lagace

EACOM Timber Corporation

Dave McGowin

LP

Bryan Kimball

Murphy Company

John Myers

Roseburg Forest Products Co.

Peter Quosai

Norbord

Terry Secrest

RoyOMartin

Josh Jenkinson

Structurlam Mass Timber Corporation

Steve Walker

Weyerhaeuser

APA SAFETY & HEALTH AWARDS – 2018

INNOVATION IN SAFETY AWARD

Equipment-Based Innovation Winner

Resolute – LP Engineered Wood
LaRouche, Quebec

“Sheet Metal Storage System”

Jeff Wagner Process-Based Innovation Winner

Roseburg Forest Products Company
Coquille, Oregon

“Safe Driver Process”

SAFEST COMPANY AWARD

	Average WIR	Average TIR
Resolute – LP Engineered Wood (Companies with three or fewer member mills)	0.00	0.00
LP (Companies with four or more member mills)	3.29	0.50

ANNUAL SAFETY & HEALTH HONOR ROLL

Division I (Plywood)

		WIR	TIR
1ST PLACE	RoyOMartin Chopin, Louisiana	2.44	0.47
2ND PLACE	Boise Cascade Company Chester, South Carolina	3.88	0.52

Division II (OSB)

		WIR	TIR
1ST PLACE	LP Ponta Grossa, Brazil	0.00	0.00
2ND PLACE	LP Panguipulli, Chile	0.00	0.00

Division III (Glulam, I-Joist, LVL and SCL)

		WIR	TIR
1ST PLACE	LP Wilmington, North Carolina	0.00	0.00
2ND PLACE	Boise Cascade Company Roxboro, North Carolina	0.00	0.00

APA SAFETY & HEALTH AWARDS – 2018

3-YEAR SAFETY AWARD (2016 – 2018)

Division I (Plywood)

	WIR	TIR
Boise Cascade Company Chester, South Carolina	3.47	0.93

Division II (OSB)

	WIR	TIR
LP Panguipulli, Chile	0.00	0.00

Division III (Glulam, I-Joist and SCL)

	WIR	TIR
LP Golden, British Columbia	1.50	0.53

SAFETY IMPROVEMENT AWARD (2016 – 2018)

Division I (Plywood)

	2016 WIR	2017 WIR	2018 WIR
Hood Industries, Inc. Wiggins, Mississippi	38.95	17.83	10.75
	2016 TIR	2017 TIR	2018 TIR
72% Improvement	5.87	2.05	1.79

Division II (OSB)

	2016 WIR	2017 WIR	2018 WIR
LP Brasil Ponta Grossa, Brazil	0.75	0.00	0.00
	2016 TIR	2017 TIR	2018 TIR
100% Improvement	0.75	0.00	0.00

Division III (Glulam, I-Joist and SCL)

	2016 WIR	2017 WIR	2018 WIR
Boise Cascade Company White City, Oregon	8.21	1.26	0.59
	2016 TIR	2017 TIR	2018 TIR
93% Improvement	2.05	1.26	0.59

APA SAFETY & HEALTH AWARDS – 2018

WIR FORMULA

Restricted work, lost time, fatality (employee or service provider working on site) and other recordable incidents for each mill are used to calculate a Weighted Incident Rate (WIR) for each mill using the following formula:

$$\text{Mill WIR} = \frac{(25 \times F + 10 \times LT + 5 \times RW + R) \times 200,000}{\text{Mill Hours}}$$

Where:

WIR = Mill's Weighted Incident Rate for the year

F = Mill's Fatalities (Employees or Service Providers) for the year

LT = Mill's Lost Time Incidents for the year

RW = Mill's Restricted Work Incidents for the year

R = Mill's Other Recordable Incidents for the year

APA SAFETY & HEALTH AWARDS – 2018

INCIDENT FREE HONOR SOCIETY

Company Location	Product	WIR	TIR
<i>Boise Cascade Company Roxboro, North Carolina</i>	IJ / LVL	0.00	0.00
<i>Louisiana-Pacific Canada Ltd. Maniwaki, Quebec</i>	OSB	0.00	0.00
<i>Louisiana-Pacific Canada Ltd. Swan Valley OSB Minitonas, Manitoba</i>	OSB	0.00	0.00
<i>LP Brasil Ponta Grossa, Brazil</i>	OSB	0.00	0.00
<i>LP Panguipulli, Chile</i>	OSB	0.00	0.00
<i>LP Sagola, Michigan</i>	OSB	0.00	0.00
<i>LP Tomahawk, Wisconsin</i>	OSB	0.00	0.00
<i>LP Wilmington, North Carolina</i>	LVL	0.00	0.00
<i>LP Carthage, Texas</i>	OSB	0.00	0.00
<i>Norbord Grand Prairie, Alberta</i>	OSB	0.00	0.00
<i>Norbord Nacogdoches, Texas</i>	OSB	0.00	0.00
<i>Resolute - LP Engineered Wood LaRouche, Quebec</i>	IJ	0.00	0.00
<i>Resolute - LP Engineered Wood Saint-Prime, Quebec</i>	IJ	0.00	0.00
<i>RoyOMartin Corrigan, Texas</i>	OSB	0.00	0.00

2018 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Boise Cascade Company <i>Alexandria, Louisiana</i>	IJ / LVL	4.80	2.26
Boise Cascade Company <i>Chester, South Carolina</i>	Plywood	3.88	0.52
Boise Cascade Company <i>Elgin, Oregon</i>	Plywood	5.11	1.70
Boise Cascade Company <i>Florien, Louisiana</i>	Plywood	7.63	1.06
Boise Cascade Company <i>Homedale, Idaho</i>	Glulam	16.95	3.85
Boise Cascade Company <i>Kettle Falls, Washington</i>	Plywood	6.72	2.07
Boise Cascade Company <i>Medford, Oregon</i>	Plywood	7.20	2.09
Boise Cascade Company <i>Moncure, North Carolina</i>	Plywood	5.98	1.09
Boise Cascade Company <i>Oakdale, Louisiana</i>	Plywood	11.76	1.18
Boise Cascade Company <i>Rogue Valley Plywood White City, Oregon</i>	SCL	0.00	0.00
Boise Cascade Company <i>Roxboro, North Carolina</i>	IJ / LVL	0.00	0.00
Boise Cascade Company <i>St-Jacques, New Brunswick</i>	IJ	4.53	4.53
Boise Cascade Company <i>Thorsby, Alabama</i>	LVL	0.36	0.36
Boise Cascade Company <i>White City, Oregon</i>	Veneer	0.00	0.00
Boise Cascade Company <i>White City, Oregon</i>	IJ / LVL	0.59	0.59
Boise Cascade Company <i>Willamina, Oregon</i>	Veneer	2.96	2.96
Coastal Forest Resources Co. <i>Havana, Florida</i>	Plywood	9.04	2.13
Hood Industries, Inc. <i>Beaumont, Mississippi</i>	Plywood	6.19	1.24
Hood Industries, Inc. <i>Wiggins, Mississippi</i>	Plywood	10.75	1.79
Louisiana-Pacific Canada Ltd. <i>Dawson Creek, British Columbia</i>	OSB	19.39	1.94

2018 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Louisiana-Pacific Canada Ltd. <i>Golden, British Columbia</i>	LVL	3.13	0.31
Louisiana-Pacific Canada Ltd. <i>Maniwaki, Quebec</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Peace Valley OSB Fort St. John, British Columbia</i>	OSB	4.93	0.49
Louisiana-Pacific Canada Ltd. <i>Swan Valley OSB Minitonas, Manitoba</i>	OSB	0.00	0.00
LP Brasil <i>Ponta Grossa, Brazil</i>	OSB	0.00	0.00
LP <i>Hanceville, Alabama</i>	OSB	5.35	0.53
LP <i>Hayward, Wisconsin</i>	OSB	2.10	0.70
LP <i>Houlton, Maine</i>	SCL	9.29	1.74
LP <i>Jasper, Texas</i>	OSB	0.53	0.53
LP <i>Lautaro, Chile</i>	OSB	9.74	0.97
LP <i>Newberry, Michigan</i>	OSB	7.80	1.42
LP <i>Panguipulli, Chile</i>	OSB	0.00	0.00
LP <i>Red Bluff, California</i>	IJ	18.30	1.83
LP <i>Roxboro, North Carolina</i>	OSB	0.51	0.51
LP <i>Sagola, Michigan</i>	OSB	0.00	0.00
LP <i>Thomasville, Alabama</i>	OSB	2.49	0.50
LP <i>Tomahawk, Wisconsin</i>	OSB	0.00	0.00
LP <i>Two Harbors, Minnesota</i>	OSB	0.69	0.69
LP <i>Wilmington, North Carolina</i>	LVL	0.00	0.00
LP <i>Carthage, Texas</i>	OSB	0.00	0.00

2018 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Norbord 100 Mile House, British Columbia	OSB	5.96	0.60
Norbord Barwick, Ontario	OSB	6.91	1.38
Norbord Bemidji, Minnesota	OSB	7.09	0.71
Norbord Cordele, Georgia	OSB	2.53	0.84
Norbord Cowie, Stirlingshire, Scotland	MDF	0.44	0.44
Norbord Genk, Belgium	OSB	0.81	0.81
Norbord Grand Prairie, Alberta	OSB	0.00	0.00
Norbord Guntown, Mississippi	OSB	0.77	0.77
Norbord High Level, Alberta	OSB	7.34	2.82
Norbord Inverness, Scotland	OSB	3.17	0.63
Norbord Jefferson, Texas	OSB	4.33	0.87
Norbord Joanna Kinards, South Carolina	OSB	6.43	0.64
Norbord La Sarre, Quebec	OSB	6.98	1.40
Norbord Lanett, Alabama	OSB	3.48	1.16
Norbord Nacogdoches, Texas	OSB	0.00	0.00
PotlatchDeltic St. Maries, Idaho	Plywood	19.37	2.98
Resolute - LP Engineered Wood LaRouche, Quebec	IJ	0.00	0.00
Resolute - LP Engineered Wood Saint-Prime, Quebec	IJ	0.00	0.00
Roseburg Forest Products Co. Plant #1 Dillard, Oregon	Hardwood	8.57	1.14
Roseburg Forest Products Co. Dillard, Oregon	Plywood	28.52	2.81

2018 INDUSTRY SURVEY

ALPHABETICAL

Company Location	Product	WIR	TIR
Roseburg Forest Products Co. <i>Riddle, Oregon</i>	Plywood	14.64	3.33
Roseburg Forest Products Co. <i>Coquille, Oregon</i>	Plywood	18.04	2.92
Roseburg Forest Products Co. <i>Riddle, Oregon</i>	IJ / LVL	17.66	5.55
Roseburg Forest Products Co. <i>Weed, Oregon</i>	Veneer	18.14	4.53
RoyOMartin <i>Chopin, Louisiana</i>	Plywood	2.44	0.47
RoyOMartin <i>Corrigan, Texas</i>	OSB	0.00	0.00
RoyOMartin <i>Oakdale, Louisiana</i>	OSB	1.54	1.54
Tolko Industries Ltd. <i>High Prairie, Alberta</i>	OSB	6.08	0.61
Tolko Industries Ltd. <i>Slave Lake, Alberta</i>	OSB	17.36	1.98
Tolko Industries Ltd. <i>Armstrong, British Columbia</i>	Plywood	39.69	5.82
Tolko Industries Ltd. <i>Meadow Lake, Saskatchewan</i>	OSB	2.97	2.97
Weyerhaeuser <i>Hudson Bay, Saskatchewan</i>	OSB	17.01	2.62
Weyerhaeuser <i>Arcadia Plant Simsboro, Louisiana</i>	OSB	19.18	2.48
Weyerhaeuser <i>Edson, Alberta</i>	OSB	11.46	2.70
Weyerhaeuser <i>Elkin, North Carolina</i>	OSB	0.72	0.72
Weyerhaeuser <i>Grayling, Michigan</i>	OSB	5.94	1.49
Weyerhaeuser <i>Kalispell, Montana</i>	Plywood	21.43	5.59
Weyerhaeuser <i>Sutton, West Virginia</i>	OSB	1.11	1.11
Average Incidence Rate		6.99	1.41

2018 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION I – PLYWOOD

Company Location	Product	WIR	TIR
RoyOMartin <i>Chopin, Louisiana</i>	Plywood	2.44	0.47
Boise Cascade Company <i>Chester, South Carolina</i>	Plywood	3.88	0.52
Boise Cascade Company <i>Elgin, Oregon</i>	Plywood	5.11	1.70
Boise Cascade Company <i>Moncure, North Carolina</i>	Plywood	5.98	1.09
Hood Industries, Inc. <i>Beaumont, Mississippi</i>	Plywood	6.19	1.24
Boise Cascade Company <i>Kettle Falls, Washington</i>	Plywood	6.72	2.07
Boise Cascade Company <i>Medford, Oregon</i>	Plywood	7.20	2.09
Boise Cascade Company <i>Florien, Louisiana</i>	Plywood	7.63	1.06
Coastal Forest Resources Co. <i>Havana, Florida</i>	Plywood	9.04	2.13
Hood Industries, Inc. <i>Wiggins, Mississippi</i>	Plywood	10.75	1.79
Boise Cascade Company <i>Oakdale, Louisiana</i>	Plywood	11.76	1.18
Roseburg Forest Products Co. <i>Riddle, Oregon</i>	Plywood	14.64	3.33
Roseburg Forest Products Co. <i>Coquille, Oregon</i>	Plywood	18.04	2.92
PotlatchDeltic <i>St. Maries, Idaho</i>	Plywood	19.37	2.98
Weyerhaeuser <i>Kalispell, Montana</i>	Plywood	21.43	5.59
Roseburg Forest Products Co. <i>Dillard, Oregon</i>	Plywood	28.52	2.81
Tolko Industries Ltd. <i>Armstrong, British Columbia</i>	Plywood	39.69	5.82
Average Incidence Rate		10.90	1.95

2018 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company <i>Location</i>	Product	WIR	TIR
Louisiana-Pacific Canada Ltd. <i>Maniwaki, Quebec</i>	OSB	0.00	0.00
Louisiana-Pacific Canada Ltd. <i>Swan Valley OSB Minitonas, Manitoba</i>	OSB	0.00	0.00
LP Brasil <i>Ponta Grossa, Brazil</i>	OSB	0.00	0.00
LP <i>Panguipulli, Chile</i>	OSB	0.00	0.00
LP <i>Sagola, Michigan</i>	OSB	0.00	0.00
LP <i>Tomahawk, Wisconsin</i>	OSB	0.00	0.00
LP <i>Carthage, Texas</i>	OSB	0.00	0.00
Norbord <i>Grand Prairie, Alberta</i>	OSB	0.00	0.00
Norbord <i>Nacogdoches, Texas</i>	OSB	0.00	0.00
RoyOMartin <i>Corrigan, Texas</i>	OSB	0.00	0.00
LP <i>Roxboro, North Carolina</i>	OSB	0.51	0.51
LP <i>Jasper, Texas</i>	OSB	0.53	0.53
LP <i>Two Harbors, Minnesota</i>	OSB	0.69	0.69
Weyerhaeuser <i>Elkin, North Carolina</i>	OSB	0.72	0.72
Norbord <i>Guntown, Mississippi</i>	OSB	0.77	0.77
Weyerhaeuser <i>Sutton, West Virginia</i>	OSB	1.11	1.11
RoyOMartin <i>Oakdale, Louisiana</i>	OSB	1.54	1.54
LP <i>Hayward, Wisconsin</i>	OSB	2.10	0.70

2018 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company <i>Location</i>	Product	WIR	TIR
LP <i>Thomasville, Alabama</i>	OSB	2.49	0.50
Norbord <i>Cordele, Georgia</i>	OSB	2.53	0.84
Tolko Industries Ltd. <i>Meadow Lake, Saskatchewan</i>	OSB	2.97	2.97
Norbord <i>Lanett, Alabama</i>	OSB	3.48	1.16
Norbord <i>Jefferson, Texas</i>	OSB	4.33	0.87
Louisiana-Pacific Canada Ltd. <i>Peace Valley OSB Fort St. John, British Columbia</i>	OSB	4.93	0.49
LP <i>Hanceville, Alabama</i>	OSB	5.35	0.53
Weyerhaeuser <i>Grayling, Michigan</i>	OSB	5.94	1.49
Norbord <i>100 Mile House, British Columbia</i>	OSB	5.96	0.60
Tolko Industries Ltd. <i>High Prairie, Alberta</i>	OSB	6.08	0.61
Norbord <i>Joanna Kinards, South Carolina</i>	OSB	6.43	0.64
Norbord <i>Barwick, Ontario</i>	OSB	6.91	1.38
Norbord <i>La Sarre, Quebec</i>	OSB	6.98	1.40
Norbord <i>Bemidji, Minnesota</i>	OSB	7.09	0.71
Norbord <i>High Level, Alberta</i>	OSB	7.34	2.82
LP <i>Newberry, Michigan</i>	OSB	7.80	1.42
LP <i>Lautaro, Chile</i>	OSB	9.74	0.97
Weyerhaeuser <i>Edson, Alberta</i>	OSB	11.46	2.70

2018 INDUSTRY SURVEY

SORTED BY MEMBER DIVISION

DIVISION II – OSB

Company Location	Product	WIR	TIR
Weyerhaeuser <i>Hudson Bay, Saskatchewan</i>	OSB	17.01	2.62
Tolko Industries Ltd. <i>Slave Lake, Alberta</i>	OSB	17.36	1.98
Weyerhaeuser <i>Arcadia Plant Simsboro, Louisiana</i>	OSB	19.18	2.48
Louisiana-Pacific Canada Ltd. <i>Dawson Creek, British Columbia</i>	OSB	19.39	1.94
Average Incidence Rate		4.45	0.90

2018 INDUSTRY SURVEY SORTED BY MEMBER DIVISION

DIVISION III – LVL, SCL, I-JOIST AND GLULAM

Company Location	Product	WIR	TIR
Boise Cascade Company <i>Roxboro, North Carolina</i>	IJ / LVL	0.00	0.00
LP <i>Wilmington, North Carolina</i>	LVL	0.00	0.00
Resolute - LP Engineered Wood <i>LaRouche, Quebec</i>	IJ	0.00	0.00
Resolute - LP Engineered Wood <i>Saint-Prime, Quebec</i>	IJ	0.00	0.00
Boise Cascade Company <i>Thorsby, Alabama</i>	LVL	0.36	0.36
Boise Cascade Company <i>White City, Oregon</i>	IJ / LVL	0.59	0.59
Louisiana-Pacific Canada Ltd. <i>Golden, British Columbia</i>	LVL	3.13	0.31
Boise Cascade Company <i>St-Jacques, New Brunswick</i>	IJ	4.53	4.53
Boise Cascade Company <i>Alexandria, Louisiana</i>	IJ / LVL	4.80	2.26
LP <i>Houlton, Maine</i>	SCL	9.29	1.74
Boise Cascade Company <i>Homedale, Idaho</i>	Glulam	16.95	3.85
Roseburg Forest Products Co. <i>Riddle, Oregon</i>	IJ / LVL	17.66	5.55
LP <i>Red Bluff, California</i>	IJ	18.30	1.83
Average Incidence Rate		5.62	1.70

Safety & Health Awards Program 2018 Award Winners & Industry Survey

APA HEADQUARTERS

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REPRESENTING THE ENGINEERED WOOD INDUSTRY