

# 2015

CANFOR AND CANFOR PULP SUSTAINABILITY REPORT

EXECUTIVE SUMMARY

# EXECUTIVE SUMMARY OF THE 2015 CANFOR AND CANFOR PULP SUSTAINABILITY REPORT

Canfor and Canfor Pulp's comprehensive 2015 sustainability report conforms to the Global Reporting Initiative and is available in full at www.canfor.com/sustainability-report-2015.

While Canfor and Canfor Pulp remain separate companies, Canfor holds a 51.9% interest in Canfor Pulp, and management activities are being integrated to increase efficiency through a shared services model.

The core value of both companies are safety, quality, sustainability and profitability. We work with diverse stakeholders to develop and deliver a vision for sustainable forest management so we can produce the truly responsible products our customers rely on.

## **KEY STATISTICS**

CATEGORY	STATISTICS
SOCIAL	▶ 6,247 total workforce
	2.21 medical incident rate (company wide)
	▶ \$161.7 million invested in mills (Canfor)
	▶ \$584,000 in charitable donations
	▶ \$80,000 in scholarships and bursaries
	Planted 78 million trees
ENVIRONMENTAL	0 high significance incidents of reportable     non-compliances in forestry operations
	<ul> <li>0 moderate significance incidents of non-compliance per million cubic metres of harvest volume</li> </ul>
	<ul> <li>2.33 low significance incidents of non-compliance per million cubic metres of harvest volume</li> </ul>
	<ul> <li>All Canadian facilities carry chain-of-custody certification</li> </ul>
	<ul> <li>All Canfor Pulp mills certified to FSC Chain of Custody standard, and all the fibre sourced from FSC Controlled Wood sources</li> </ul>
	▶ 98.5% of Canadian forestlands certified
ECONOMIC	▶ 11 million cubic metres annual harvesting rights
	▶ \$3.9 billion in sales (Canfor)
	▶ \$1.17 billion in sales (Canfor Pulp)
	▶ \$91.9 million net income (Canfor)
	▶ \$106.6 million net income (Canfor Pulp)
	▶ 5.8 billion board feet production capacity
	▶ 1.46 million tonnes pulp and paper



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# MESSAGE FROM CEO OF CANFOR AND CANFOR PULP DON KAYNE

From the forest to our mills, Canfor and Canfor Pulp were successful in making our operations more sustainable in 2015.

We improved our mill efficiency, generated more green energy, pursued innovation across all of our business streams, strengthened the communities where we operate, and achieved one of our best safety records.

Our mills and 98.5% of our woodlands operations are independently certified to "internationally-accepted" certification programs. We planted 78 million trees and created new business opportunities for our First Nations partners.

We invested more than \$160 million in capital improvements across our solid wood operations, including two new pellet plants to enhance utilization of residues at two of our sawmills in northern British Columbia as well as a new integrated data management platform for our Canadian and US operations.

For the fourth year in a row, Canfor and Canfor Pulp made the list as one of BC's top employers, largely because of our promote-from-within culture.

Safety remains a top priority for our company, and for me personally. We are focused on providing a safe work environment, and that employees utilize safe practices, and identify and report hazards. We were among the first to respond to the significant issue of combustible dust after two explosions at sawmills in 2012. Since then, we have invested close to \$50 million in capital, HR and infrastructure improvements to control dust at our operations.

The exceptional performance of our employees keeps us an industry safety leader. Our goal for 2015 was to achieve a medical incident rate (MIR) of 2.0, and Canfor's Canadian and US east operations exceeded this with a record MIR of 1.90. Canfor Pulp registered an MIR of 2.12 – the strongest result in 12 years. Combining the safety performance of all aspects of our company, including our newly aquired US south operations, we achieved a company-wide MIR of 2.21.

2015 was also a year of significant growth. Canfor completed the first phase of our acquisition of Beadles and Balfour Lumber Companies and the third phase of our agreement to buy Scotch Gulf Lumber. We acquired Southern Lumber Company in Mississippi and Anthony Forest Products in Arkansas. Early in 2016, we reached an agreement to purchase Wynndel Box and Lumber in southern British Columbia.

Our newest assets are in regions with a stable supply of high-quality fibre, and have increased our ability to produce high-value products and our geographic diversity.

While we respect the local expertise and traditions that come with these acquisitions, we are also proud to welcome them into the fully integrated One Canfor model, reinforcing our common brand and identity.

In 2015 we further expanded our offering of specialty lumber products, increased our availability of southern yellow pine and added engineered wood products to our product mix.

We also developed new markets. We opened a sales office in Seoul, South Korea; sent our first shipment of lumber to Indonesia; and maintained our presence in high-potential emerging markets such as India. We continue to support the work of the Softwood Lumber Board, which promotes the benefits and many uses of softwood lumber products in non-residential applications.

At Canfor, we have long known that forest products are a great choice for the environment. Wood is natural, renewable and stores carbon throughout its life cycle. In 2015, the world learned more about the value of forests when 190 countries gathered in Paris for the COP 21 convention on climate change. Participants recognized the essential role forests play in the long-term health of our planet.

This means a lot to our company because Canfor and Canfor Pulp are both world leaders in using and managing forest resources responsibility and sustainably. We maximize the use of fibre in our sawmills, pulp mills and pellet plants – producing quality products for our customers and green energy to power and heat our operations.

In 2015, we strengthened our market position and expanded product offerings so we are able to serve customers around the world with world-class customer satisfaction.

This allows us to maintain top quartile performance while adding value to the communities where we operate and supporting the 6,247 employees whose many contributions are the reason for our success.

Don Kayne

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Chief Executive Officer,
Canfor Corporation and Canfor Pulp

# MESSAGE FROM CANFOR PULP PRESIDENT BRETT ROBINSON

There have been many positive changes in our industry since 1968 when Canfor assumed total ownership of Prince George Pulp and Paper.

In those days, the sole function of pulp mills was to "pulp" wood into its cellulose components to make paper products. Non-cellulose materials and water were considered waste, and eliminated

Fifty years later, Prince George Pulp and Paper – like all of Canfor Pulp's mills – are leaders in innovation. They manufacture premium pulp and specialty paper products for markets around the world – 85% of our pulp production is premium reinforcing pulp. And the lignin, hemicelluloses and other organic materials that remain after the pulping process are converted into clean, renewable energy that powers our processes and BC's electricity grid.

The environmental achievements of Canada's pulp and paper industry are outstanding. Since 2005, we have cut water pollutants by 70%, air pollutants by 52%, waste to landfill by 30% and water use by 30%. Canfor Pulp is part of the Prince George Air Improvement Roundtable, and supports an interactive air kiosk that shows city residents how their air quality is improving.

In 2015, we completed the 32-MW steam turbine at Intercontinental Pulp, which means all three Prince George pulp mills are selling power. We're closing in on our target to generate a million megawatt hours – reaching 910,993 MWh in 2015.

Canfor Pulp also became the first to use the Valmet Process Quality Vision system to inspect all of the pulp shipped from our Intercontinental and Northwood mills. This is just one more way we can assure pulp customers we are meeting the high standards they need for their increasingly sophisticated products – standards they have come to expect from us.

We were proud to earn FortisBC's Efficiency in Action Award in the industrial sector in 2015 for upgrades at Prince George Pulp and Paper that reduced our natural gas use by 67,000 gigajoules in the first 18 months alone.

Our interest in innovation goes beyond manufacturing. RISI recognized Canfor Pulp on its Top 50 Power List, saying our cooperative sales and marketing agreement with UPM Pulp "is pushing the envelope with a pioneering sales agreement with Finnish-based UPM, Fiber United, covering four major markets".

Last February, I was honoured to serve as executive chair of the Games Host Society when the Canada Winter Games came to Prince George. It was a wonderful opportunity to show off the city, our company and our industry.

Canfor was a community sponsor for the Games. We invited 500 high school students from across north central BC to attend some of the most popular events and learn about the wide range of great career opportunities in the modern forest industry. It was a real eye opener for many of the students.

Our industry has a rich history – and I am convinced the best is yet to come. My Dad worked in the industry so I knew it offered plenty of diverse opportunities. I have a mechanical engineering degree, and joined Canfor Pulp in 1989 as a junior engineer and have progressed through multiple engineering, operations and maintenance leadership roles. It was readily apparent that I had made a good choice. Also, being able to raise my family in Prince George made it even better.

A lot has changed since 1989, and even more has changed since 1968 when Canfor acquired Prince George Pulp and Paper.

Some things, however, will never change. We will always rely on our skilled, innovative employees to meet our high standards for production and customer service, and to develop next-generation products. We continue to depend on high-quality fibre from BC's interior forests to make premium products that are in demand around the world.

As this report shows, we will always maintain the highest environmental performance so customers can be assured they are buying products from legal and sustainable sources.

#### **Brett Robinson**



President, Canfor Pulp



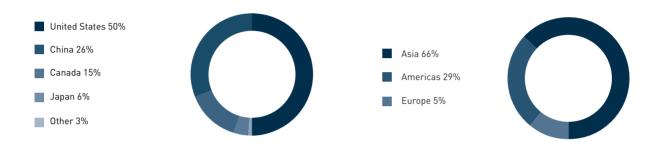
# MARKETS AND MARKET DEVELOPMENT

Canfor and Canfor Pulp sell lumber, pulp and paper products in markets throughout North America and overseas through sales offices in Vancouver; Myrtle Beach, SC; Mobile, AL; Moultrie, GA; Jackson, MS; El Dorado, AR; Thomasville, GA; Tokyo, Japan; Shanghai, China; and our new fully integrated sales office in Seoul, which better positions us to support our pulp, paper and lumber customers in South Korea.

We understand our customers' products and operations so we can contribute to their success. Canfor Pulp partners with internationally recognized experts to deliver training on refiner fundamentals, and to support tissue customer optimization studies. We provide secure product delivery by coordinating with transportation partners worldwide.

#### **CANFOR LUMBER SALES VOLUMES BY MARKET 2015**

#### **CANFOR PULP SALES VOLUMES BY MARKET 2015**



# STRONG LOCAL ROOTS

Throughout our long history, we have looked for local talent to lead our companies, manage our forest operations and operate our mills.

We are proud of the history, traditions and connections of all the companies that make up Canfor – most going back generations. While we continue to reinforce and develop our One Canfor vision

with one common brand and identity, we respect local expertise and traditions.

In-house teams are working hard to develop an operating model that is fully aligned and integrated right through the supply chain.



#### **CANFOR LEADERS RECOGNIZED**

Our Chairman Emeritus Peter Bentley (centre) was inducted into the Business Laureates of British Columbia Hall of Fame in May 2015, acknowledging his outstanding contributions to the province. At the same ceremony, one of Canfor's co founders, the late John Prentice, was inducted as a pioneer laureate for his vision and leadership.

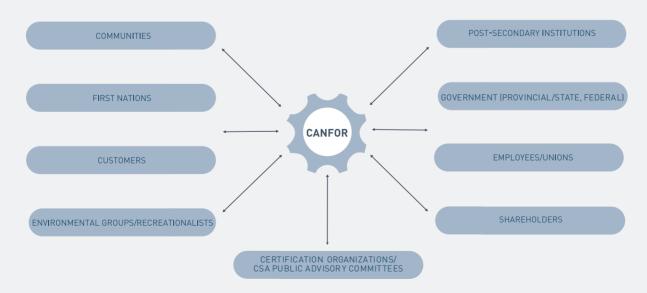


# IDENTIFYING STAKEHOLDERS AND KEY INDICATORS

Canfor and Canfor Pulp maintain an open door policy so we can be sure we consider the interests of the key stakeholders identified in the chart below. We selected the topics and indicators for this report by examining what is important to these key organizations and individuals, as described in the table on the next page.

We define our stakeholders to be any person or group who is affected by our operations, or conversely has the ability to affect our business. First Nations with traditional territories in our operating areas have special rights and interests, and we work collaboratively with them to address these.

#### **IDENTIFYING STAKEHOLDERS AND KEY INDICATORS**



# IDENTIFYING STAKEHOLDERS AND KEY INDICATORS

CANFOR AND CANFOR PULP'S OPEN DOOR POLICY ENSURES WE CONSIDER THE INTERESTS OF KEY STAKEHOLDERS IN ALL OF OUR OPERATIONS.

STAKEHOLDER/GROUP	INTERESTS	
Communities	► Economic stability	► Economic opportunities
	Community enhancement	<ul> <li>Responsible forest management</li> </ul>
	► Environment	<ul><li>Water quality (community watersheds)</li></ul>
	▶ Safety on community roads	Air quality (local airshed advisory group)
First Nations	<ul><li>Cultural heritage, traditional use,</li></ul>	► Economic stability
	treaty rights, aboriginal rights and title	▶ Economic opportunities
	▶ Employment opportunities	Responsible forest management
Customers	Stable supply of quality products	► Responsible forest management
	Competitive prices	▶ Efficient delivery
	<ul> <li>Sustainable manufacturing</li> </ul>	,
Environmental Groups/	▶ Responsible forest management	► Maintenance of biodiversity
Recreationalists	<ul><li>Protection of species at risk/habitat</li></ul>	► Safe forest roads
Post-secondary institutions	▶ Research and development	▶ Recruitment
Government	<ul> <li>Responsible forest management</li> </ul>	► Compliance with laws
(provincial/state, federal)	Timely regeneration	Forest health
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Research and development	Market development
Employees/Unions	▶ Safe working conditions	<ul> <li>Advancement opportunities</li> </ul>
	Competitive wages	► Training
	▶ Workforce diversity	Employment security
Shareholders	▶ Economic stability	► Return on investment
	Market development,	▶ Product development
	expanding use of wood	▶ Responsible operations
Certification Organizations/	► Certification requirements	<ul> <li>Management of local issues</li> </ul>
CSA Public Advisory Committees	Impact on forest management	Responsible procurement

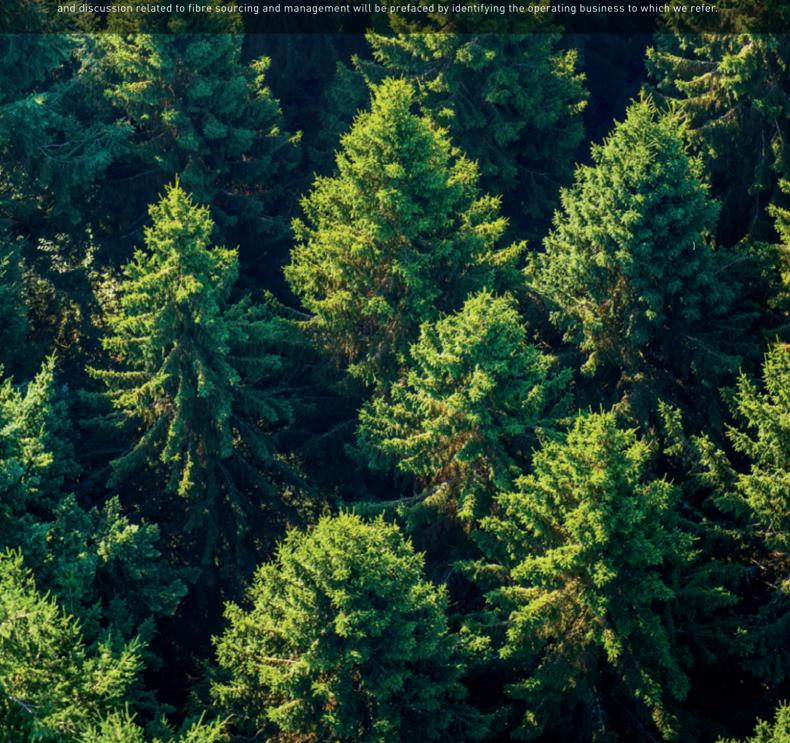


Customers can be confident our products come from well-managed forests with 98.5% of our Canadian woodlands operations certified to third-party forest certification standards.

Canfor manages forests directly on the lands for which we have tenure agreements between the governments of British Columbia and Alberta and our wholly owned subsidiary Canadian Forest Products Ltd. On these lands, we have third-party sustainable forest management certification and carry out extensive management and monitoring to deliver on our commitment to sustainable forestry.

Canfor Pulp and Canfor Southern Pine do not manage forest lands directly, and instead deliver on their commitment to sustainable forestry through their fibre-sourcing practices.

In the following sections, discussion of on-the-ground forest management practices and commitments refers to our tenured areas, and discussion related to fibre sourcing and management will be prefaced by identifying the operating business to which we refer.



# ENVIRONMENT AND FORESTRY COMMITMENTS

Canfor's Forest Management System ensures all woodland operations on company forest tenures are managed sustainably, and environmental practices continue to improve.

Canfor's Environment Policy and Sustainable Forest Management Commitments are developed and maintained by senior executives, approved by the President and CEO and reviewed by the Board of Directors.

Canfor's Corporate Environmental Management Committee, provides high-level oversight and due diligence, and advises the Board of Directors about our manufacturing facility environmental and sustainable forest management performance. The Board of Directors' Joint Environmental, Health and Safety Committee

reviews and makes recommendations to the board about environmental, health and safety issues, and relevant policies.

At least once a year, Canfor's Forest Management Group holds a management review to evaluate whether environmental objectives and targets are being met, and to anticipate needs for change as part of the continuous improvement cycle.

In addition to complying with legal and other requirements that apply to our operations, Canfor meets voluntary requirements related to environmental, safety and/or First Nations concerns. We regularly renew our environmental performance objectives, measure our progress toward achieving them, and make sure staff have the necessary training and resources to meet them.



#### **MV WILLISTON TRANSPORTER BACK IN BUSINESS**

In 2015, Canfor put MV Williston Transporter back into business to supplement log transportation by truck to meet the fibre demands of our Mackenzie mill.

The ice-breaking, log-carrying vessel has been out of service since 2007. It can carry the equivalent of 91 truckloads of logs 65 kilometres across Williston Lake.

# LEGAL SOURCE OF FIBRE

All of the forest tenures we manage are in British Columbia and Alberta where a comprehensive suite of laws and regulations assures customers they are buying wood and paper products from sustainable and legal sources.

In British Columbia, we operate primarily on public lands and therefore our forest divisions must adhere to the province's Forest and Range Practices Act, which includes consideration of public and First Nation input.

In Alberta, we are required to develop Forest Management Plans that consider a broad range of forest values and social, economic and environmental factors such as watershed, environment and wildlife habitat, and provide an opportunity for public consultation.

British Columbia and Alberta monitor compliance through planned and random audits of forest operations and field inspections to ensure forest laws are being followed.

#### **COMPLYING WITH INTERNATIONAL REGULATIONS**

Illegal logging is a critical international issue that undermines good forest governance. Canfor Pulp provides customers with the information they need to meet international policies including:

- The European Union Timber Regulation (EUTR), which prohibits illegally harvested forest products from being placed on the market in EU member countries.
- The US *Lacey Act*, which requires that importers must declare the species, country of origin and other relevant information.
- Australia's *Illegal Logging Prohibition Act 2012*, which requires that importers submit a declaration to minimize the risk of illegally logged timber in their supply chains.

# INDEPENDENT FOREST AND PRODUCT CERTIFICATION

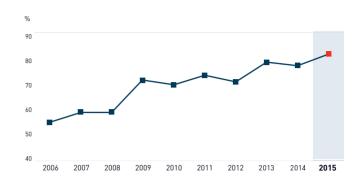
Canfor is one of the few primary lumber manufacturers to offer products certified to all of the independent certification programs in North America – the Canadian Standards Association (CSA) Sustainable Forest Management Standard, the Forest Stewardship Council® (FSC®) and the Sustainable Forestry Initiative® (SFI®). CSA and SFI are fully endorsed by the international umbrella organization for certification, the Programme for the Endorsement of Forest Certification (PEFC).

Canfor actively contributes to the development of forest certification standards.

In total, 98.5% of Canfor's woodlands operations are certified to the CSA, SFI or FSC standards for sustainable forest management. Recent statistics show Canada and the United States are leaders in forest certification globally, which highlights the commitment to sustainability of North American forest managers.

Canfor Pulp gives preference to suppliers that offer third-party certified fibre and 82% of our fibre comes from third-party certified sources covered by a complete chain of custody. Canfor Pulp aims to source 90% of our fibre from PEFC or FSC sources by 2020.

# **CANFOR PULP CERTIFIED FIBRE PRECENTAGE** 2015 (PEFC AND FSC)



#### 180 -**CANADIAN CERTIFICATION IN THE GLOBAL CONTEXT** 144 2015 - YEAR END 160 SOURCE - CERTIFICATIONCANADA.ORG AS OF DEC 31, 2015 140 In Canada, Canfor and Canfor Pulp carry chain-of-custody certification on our facilities so customers can be confident they 120 are buying products from well-managed forests. All Canfor Pulp fibre sources have been subject to a chain-of-custody audit to both 100 PEFC and FSC standards. We can also provide customers with FSC or PEFC-certified pulp and paper. Both FSC and PEFC require 80 that we have in place audited risk assessments on all the locations where we source our fibre. 60 40 20 16 14 12 8 Ω CANADA USΔ RUSSIA SWEDEN FINLAND BELARUS POLAND AUSTRALIA NORWAY BRAZIL GERMANY

# REGENERATING FORESTS

Prompt reforestation of harvested areas is key to sustainable forest management. Canfor uses ecologically suitable species to restore all harvested areas to healthy, native free-growing forests promptly. In 2015, we planted 78 million trees on our tenures – almost 12 million more than in 2014. Canfor owns and operates the J.D. Little Forest Centre near Prince George, which has been operating since 1982 and produces about 14% of our seedling requirements. It grows 8.5 to nine million hybrid white spruce trees every year.

# CONSERVING BIODIVERSITY

Canfor's detailed Sustainable Forest Management Plans for each of its operations include strategies for managing biodiversity at species, stand and landscape levels. A comprehensive species accounting system has been developed for our BC operations by independent scientists so we can monitor key species groups and take action if negative impacts appear to be occurring.

Some key activities that took place in 2015 included the Canfor East Kootenay operations' work with environmental groups, government and wildlife experts to update their High Conservation Value Areas (HCV). We also partnered with Wildsight, a local environmental society, to conduct post-harvest effectiveness monitoring in cutblocks within these HCV areas.

Canfor's Forest Scientist developed a strategy to manage the impacts of forest harvesting on migratory birds during their nesting season. This strategy was piloted and will be rolled out to all of our BC operations in 2016.

In Alberta, Canfor has elected to use the Foothills Research Institute's stream crossing program, and expects to have inspected all 232 inventoried stream crossings in the next five years.

In the Fort St. John and Prince George timber supply areas, we are working on projects that will spatially identify old growth management areas so we can protect the best examples of old growth forest in each of the different ecosystems occurring in these areas.

## PROTECTING HABITAT

Our operational plans contain conservation measures to protect habitat for species of management concern (which include species at risk as well as those of high concern to the public such as moose, marten and mule deer), and we monitor general trends in habitat types, elements and patterns.

Our 2015 activities included aerial and ground assessments to determine the habitat suitability of two connectivity corridors for

mountain caribou in our operating areas in the Prince George region. In northeastern BC, our staff helped a research team investigating the importance of nutrition in the survival of caribou.

Canfor north division staff continue to work with the local oil and gas industry to coordinate access management and reduce impacts on habitat.



Tame caribou used in a nutrition study at a holding facility constructed by Canfor logging contractor W&M Enterprises.



Measuring a probable caribou print found during first habitat assessment in the Pass Lake area.



An increment borer determines the age of a tree during a habitat assessment.



Caribou have been sighted on this ridge near the Torpy area.

# RESPONDING TO CLIMATE CHANGE

Actively growing, healthy forests absorb carbon dioxide and convert it to stored carbon in the tree. A report by the Intergovernmental Panel on Climate Change in 2007 concluded: "In the long term, a sustainable forest management strategy aimed at maintaining or increasing forest carbon stocks, while producing an annual sustained yield of timber, fibre or energy from the forest, will generate the largest sustained mitigation benefit."

#### **CARBON BUDGETING**

Canfor's carbon strategy is to maintain some old growth on the land base for carbon storage, reforest harvested areas promptly for carbon uptake, and reduce conversion by minimizing permanent access roads. We continue to monitor developments in carbon sequestration modeling both at the provincial and regional level, and use this in our management planning.

#### **BENEFITS OF WOOD**

Canfor promotes the environmental benefits of wood, and is a leader in finding new ways to build with wood and in the evolution of building codes to encourage the use of wood products.

Wood is the only major building product that is natural, renewable, and stores carbon throughout its life cycle. Furthermore, the environmental benefits are strengthened when the wood comes from a company like Canfor that utilizes wood manufacturing technology and sustainable forest practices, backed by third-party forest certification.

Green building standards that scientifically analyze product impacts using life cycle assessment reward wood use for its dramatic benefits on improving green building performance. Truly nature's building material, wood is the clear sustainable choice.

#### **MOUNTAIN PINE BEETLE**

Mountain pine beetle has had significant impacts on forests in British Columbia and Alberta. We are actively working with government to slow the spread of the beetle in Alberta.

In Alberta, our new forest management plan for FMA 9900037 included a suite of strategies to mitigate the potential mid-term loss of timber supply resulting from the infestation and the related accelerated pine harvest.

#### WATER RESOURCES

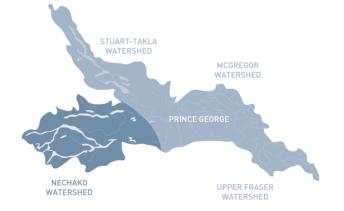
Pulp and paper mills are heavily dependent on water. British Columbia's climate has changed over the last 100 years, and we expect higher local temperatures and increased rainfall will lead to unbalanced conditions within local watersheds.

To best understand our impact on water resources, Canfor is working with researchers at the University of British Columbia to understand how these flows may change.

#### **WATER RESOURCES - BRITISH COLUMBIA**



#### WATER RESOURCES - UPPER FRASER REGION





# FNGAGING STAKEHOLDERS

Canfor and Canfor Pulp work with a wide range of stakeholders. There is significant public involvement in the development of our Sustainable Forest Management Plans and we offer opportunities for public input into our forest management activities.

Our proprietary Creating Opportunities for Public Involvement (COPI) database tracks communications, actions and issues with stakeholders and other interested parties.

Stakeholder engagement opportunities in 2015 included Canfor North Division's arrangement of field trips for the public in Fort Nelson, Fort St. John and Chetwynd. Our Prince George public advisory group held 10 education outreach sessions in 2014-15, our Kootenay and Radium staff arranged field trips with key

stakeholdes, and our Mackenzie staff participated in several planning groups.

Canfor Pulp has been active in airshed management since we built our first mills in Prince George in the 1960s, and recently invested \$180 million in three significant air quality improvements at our mills in Prince George resulting in a significant drop in the percentage of time odour is detectable.

Canfor Pulp participated in the World Wildlife Fund's **Environmental Paper Company Index 2015** to increase our transparency and better understand our opportunities for improving our sustainability performance.



Canfor's Dawn Griffin addresses participants during a public tour in the Fort St John area.



# WORKING WITH FIRST NATIONS

Our operations overlap with the traditional territories of more First Nations in British Columbia than any other licensee in the province.

Examples of successful business arrangements with First Nations, include those with Ktunaxa, Lheidli T'enneh, Moricetown, Cheslatta, McLeod Lake, Bonaparte, Blueberry River, Doig River, Halfway River, Prophet River, Saulteau, Wet'suwet'en and West Moberly First Nations, to name a few.

Canfor employees attended cultural events with First Nations to strengthen our working relationship, and allow us to share stories about our common respect for land values.

We attended nine career fairs in British Columbia to promote Canfor employment opportunities for Aboriginal job seekers.

LTN Contracting Ltd., one of Canfor's logging contractors in the Prince George area, won the 2015 Aboriginal Forestry Products Business Leadership award. Canfor nominated the company for its business leadership, its commitment to safety, quality and environmental performance, and its support for the local community.



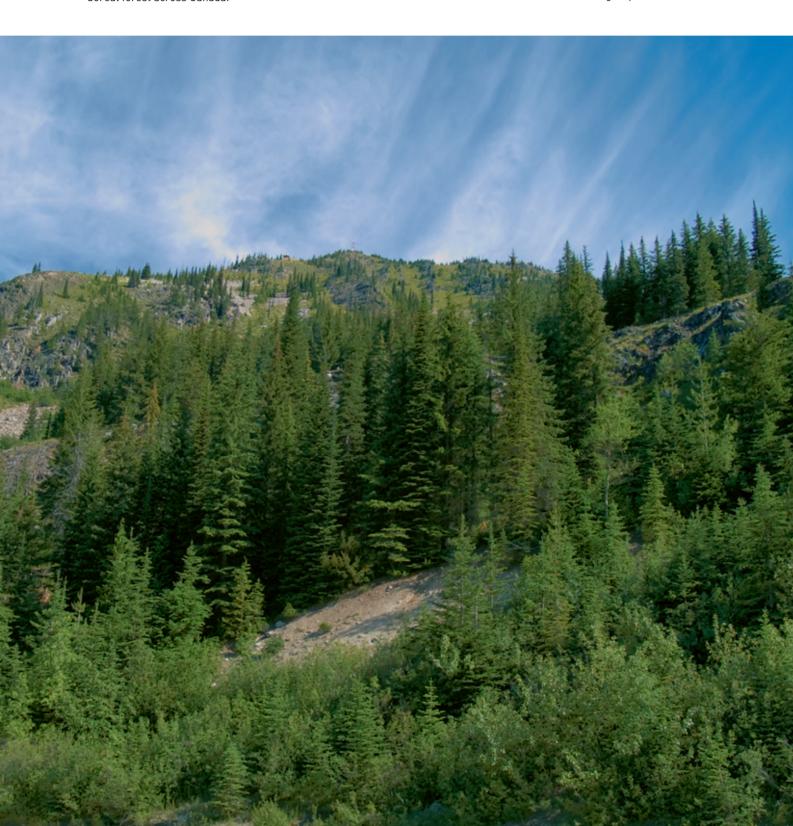
Canfor's Senior Operations Supervisor Andrew Tyrrell (centre) with Doig River First Nations elders Jack Askoty (left) and Sammy Acko.

# CANADIAN BOREAL FOREST AGREEMENT

Canfor and Canfor Pulp remain committed to the Canadian Boreal Forest Agreement, both at the national level and with regional work in Alberta and British Columbia where we operate. The Canadian Boreal Forest Agreement (CBFA) commits signatories to achieving strategic goals that address both environmental and economic sustainability in the boreal forest. The geographic scope of the agreement spans more than 72 million hectares of boreal forest across Canada.

In 2015, the CBFA was presented as a model for the oil and gas industry. The CBFA's collaborative approach received international recognition, including presentations at The Wildlife Society's (TWS) 22nd Annual Conference in Winnipeg, Manitoba, and the XIV World Forestry Congress in South Africa.

Our staff are active in all six national work groups and in the Alberta and British Columbia work groups.



# MANUFACTURING

Quality products. Quality service. In the last five years, we've invested over a billion dollars to keep our mills efficient



# CAPITAL INVESTMENTS

#### **CANFOR**

In 2015, Canfor invested a total of \$155.6 million for capital projects. This included the construction of pellet plants in Chetwynd and Fort St. John as well as projects at our operations in Bear Lake (Polar), Houston and Mackenzie, BC; Grande Prairie, Alberta; and Jackson, Alabama.

We have invested \$58 million for the pellet plants at Chetwynd and Fort St. John, in partnership with Pacific BioEnergy, which will contribute to our sustainable value proposition by enhancing our utilization of sawmill residuals and generating additional revenue.

#### **CANFOR PULP**

Canfor Pulp invested \$42 million for capital improvements at its pulp and paper operations in 2015, and is committed to sustaining this level of investment for the next three years to deliver the top environmental and economic performance, and maximize long-term benefits. This consistent capital investment continues to ensure our Canfor Pulp mills maintain top quartile cost position for NBSK

# AIR - CANFOR PULP

Canfor Pulp invested \$180 million on air quality improvements at our three Prince George pulp mills in the last five years, delivering a 40% reduction in particulate discharge and leading to a significant drop in percentage of time odour is detectable.

In 2015, we commissioned the electrostatic precipitator on a power boiler at Prince George Pulp and Paper, which significantly lowered particulate emissions, and replaced the atmospheric black liquor fibre filter at Intercontinental, which eliminated the

highest source of TRS from the mill. Prince George Pulp and Paper also improved its energy efficiency by burning boiler ash with the highest heat value a second time. The ash reinjection system, which became fully operational in June, exceeded expectations with 3% hog fuel savings and reduced the volume of ash to landfill by 60% to 70%.

# INNOVATION - CANFOR PULP

Canfor Pulp has always enjoyed a fibre advantage. Our pulp is produced from native tree species in British Columbia's interior, mainly white spruce, lodgepole pine and sub-alpine fir. These species thrive in the extreme climate and naturally develop long, slender and thin-walled cellulose fibres with high tensile strength. This makes them especially valuable for high-quality, lightweight printing papers, premium tissue, thin specialty papers, packaging and laminates. Roughly half, by weight, of the wood we receive is converted into high-quality premium reinforcement pulp (PRP).

We are unique among many suppliers of NBSK in that we maintain the Canfor Pulp Innovation (CPI) research centre. CPI delivers opportunities for continuous customer and mill improvement, helping to improve our premium quality and securing our position as a global leader in NBSK and its applications.

Our Mihari Initiative, a suite of leading-edge technologies, enhances our quality assurance, and supports the need for more detailed knowledge about the raw materials and their performance.

In 2015, we implemented the Valmet Process Quality Vision system at our Intercontinental and Northwood pulp mills to improve quality control. With this, we are the first pulp manufacturer to use this kind of system to inspect 100% of the pulp shipped from a mill.



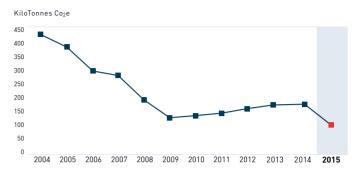
# CARBON FOOTPRINT - CANFOR AND CANFOR PULP

Canfor and Canfor Pulp continue to look for ways to combat climate change by improving our manufacturing processes, regenerating forests, reducing our greenhouse gas emissions, and increasing our use of sustainable biomass for power and heating. Using biomass in place of fossil fuels reduces our operating costs, yielding economic as well as environmental benefits.

Our pellet plants at Chetwynd and Fort St. John have a combined annual production capacity of 175,000 tonnes of wood pellets, and the Chetwynd project will displace 21,000 MWh of electricity consumption every year for 20 years.

Canfor and Canfor Pulp both sell carbon offset credits into the BC offset market, and Canfor sells credits into the Alberta carbon offset market.

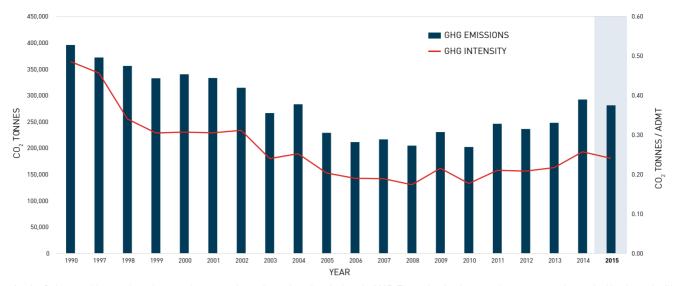
#### **CANFOR GREENHOUSE GAS EMISSIONS**



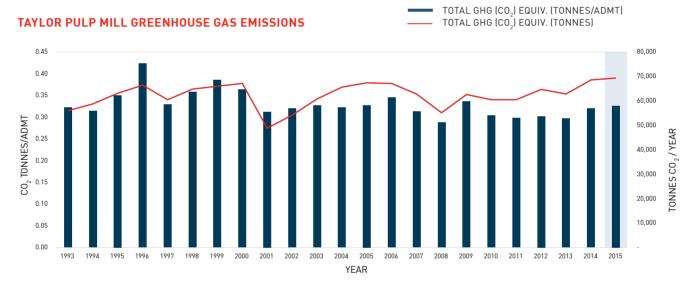
Canfor's greenhouse gas emissions dropped significantly in 2015 as a result of the sale of Taylor Pulp Mill to Canfor Pulp in January 2015. The chart includes the GHG emissions of the recently acquired Hermanville and Anthony Forest Products operations from the time of full ownership. Acquisitions not yet closed have not been included.



#### **CANFOR PULP GREENHOUSE GAS EMISSIONS**



Canfor Pulp was able to reduce the greenhouse gas intensity and total emissions in 2015. The reduction in natural gas consumption at the Northwood mill was partially offset by the increase at the Intercontinental facility. GHG emissions of the Taylor Pulp mill (acquired by Canfor Pulp in January 2015) are reported in separate chart.



The GHG emission intensity at the Taylor pulp mill has been stable. The mill saw a slight increase in GHG emissions in 2015 as the mill's natural gas consumption increased.





# ENERGY MANAGEMENT - CANFOR

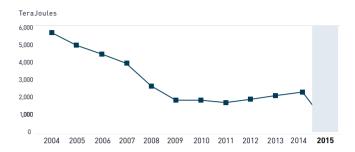
Canfor is saving 11,800 MWh a year thanks to our energy management activities. That's enough energy to power 825 homes each year. These savings primarily come through capital projects and the installation of equipment such as high-efficiency lighting, compressed air projects and high pressure blower conversions to conveyors.

Canfor Energy North, which was created in 2015, began building pellet plants in Fort St. John and Chetwynd with a total 175,000 ODT production. This partnership includes an organic Rankine cycle (ORC) generator, which will generate 21,000 MWh a year – enough to power 1,470 homes each year. Our Elko Sawmill switched its operations from natural gas to biomass to heat its lumber kiln, which means all of our BC facilities have biomass as their primary heat source.

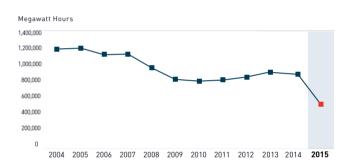
Canfor is on the leading edge of innovation with market transformation projects in partnership with BC Hydro. In 2015, we worked together to develop, fund and install a product for variable frequency drives where traditional waste heat due to process load changes is eliminated and converted back into useful power.

Natural gas and electricity purchases dropped significantly as a result of the sale of Taylor Pulp Mill to Canfor Pulp in January 2015. Recently acquired Hermanville and Anthony Forest Products operations were included from the time of full ownership. Other new acquisitions that did not close in 2015 are not included.

#### **CANFOR NATURAL GAS USE**



#### **CANFOR ELECTRICITY PURCHASES**



# ENERGY MANAGEMENT - CANFOR PULP

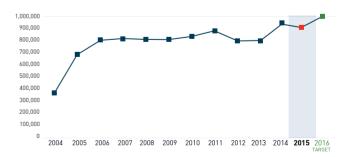
Canfor Pulp's modern kraft mills operate as large-scale biorefineries, allowing us to efficiently manufacture premium pulp products while producing clean energy. We use steam generated in our boilers to generate electricity and heat our operations, and export surplus power to the BC electricity network.

In 2015, we completed the 32-MW steam turbine at Intercontinental Pulp, which means the turbines at all three of our Prince George pulp mills are selling power. Canfor Pulp delivers renewable power through long-term agreements with BC Hydro under their Integrated Power Offer that encourages pulp and paper producers to invest in energy efficiency and biomass power generation. Canfor Pulp generated 910,993 MWh of renewable energy in 2015.

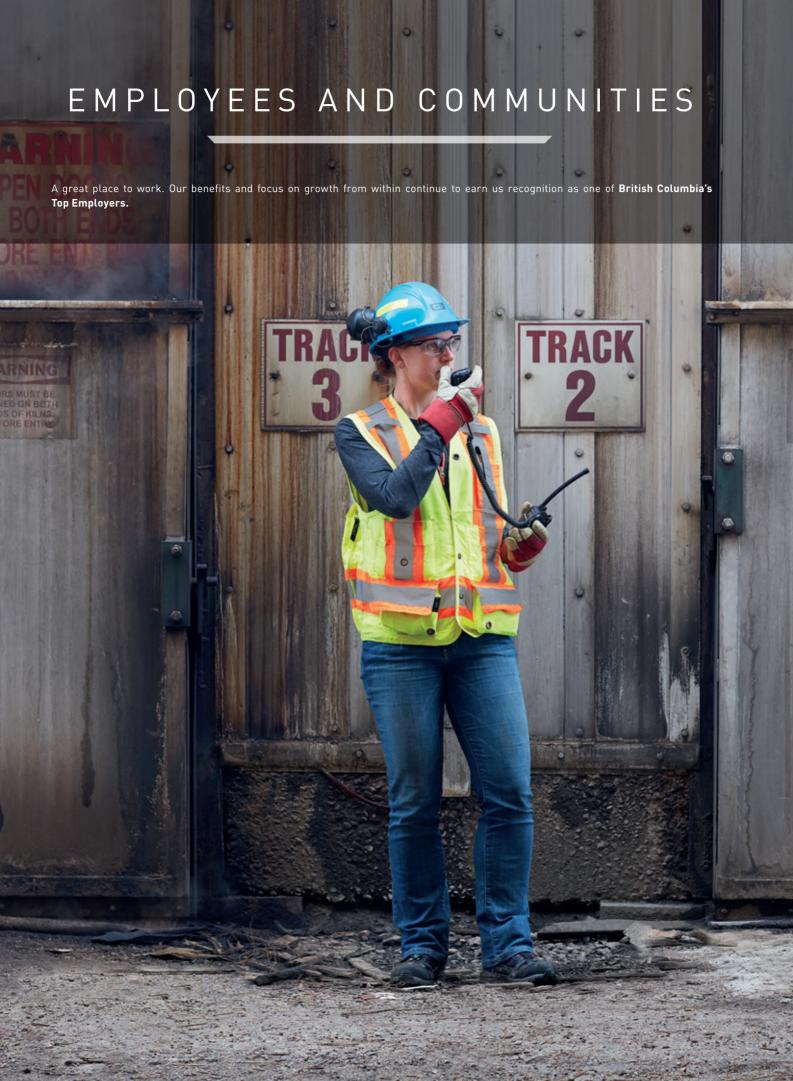
In 2015, FortisBC awarded Canfor Pulp its Efficiency in Action Award in the industrial sector for an upgrade to Prince George Pulp and Paper's rotary lime kiln that significantly reduced our use of fossil fuels by 67,000 gigajoules in the first 18 months alone.

Canfor Pulp also won a 2015 Leadership Award from the Canadian Industry for Energy Conservation (CIPEC) in the category of Employee Awareness and Training.

#### RENEWABLE ELECTRICITY GENERATION



We took an outage at the Intercon mill during the installation and commissioning of the new turbine. The energy systems at all three Prince George mills will be fully operating in 2016 so we should meet our 2016 production target of 1 million MWh/yr.



#### **WORKFORCE AND REMUNERATION**

Canfor and Canfor Pulp have 4,740 hourly employees and 1,507 in salaried positions. Entry-level production employees working for our Canadian operations earn substantially more than the minimum wage in the provinces were we operate.

#### **HEALTH & SAFETY**

Safety is our single highest priority, and we take pride in the fact that our employees consistently keep us a safety leader in our sector. We regularly undertake events to promote employee involvement in safety, and to continue to raise awareness about the importance of working safely.

Our solid wood operations in Canada and our established US south operations exceeded Canfor's safety target by finishing 2015 with a medical incident rate (MIR) of 1.90 across all Canadian and US east operations – the lowest since we began tracking it in 2005. Canfor Pulp tied our previous record year for safety with a 2.12 rating, its best in the last 12 years. Combining the safety performance of all aspects of our company, including our newly aquired US south operations we achieved a companywide MIR of 2.21.

#### **DIVERSITY**

Canfor recognizes the value to our employees, our customers and our stakeholders that comes with building a diverse and inclusive organization. Canfor promotes diversity by valuing and leveraging the unique strengths and experiences in all of our employees and partners.

#### **INVESTING IN OUR PEOPLE**

Canfor and Canfor Pulp understand that our strength comes from our skilled and dedicated employees, and we work hard to support their ongoing professional development. We provide a wide range of support to employees. For the fourth year in a row, we were recognized as one of BC's top employers, largely as a result of our support of lifelong learning and retirement planning.



# COMMUNITIES

Canfor is a respected member of every community where we operate. At the end of the day, we want our neighbours to feel their community is stronger because Canfor is part of it.

#### YOUTH AND EDUCATION/RECRUITMENT

To promote the tremendous opportunities ahead for the forest sector, we are involved in activities to attract new employees and encourage students to pursue disciplines related to the company's core business. In 2015, we attended 30 career fairs, and our executives and other company representatives met regularly with students from post-secondary institutions.

As part of our sponsorship of the 2015 Canada Winter Games in Prince George, we hosted 500 high-school students from across north central BC so they could attend high-profile events and learn about careers in the forest sector.

In 2015, we provided \$79,689.80 through our scholarship and bursary programs and awarded scholarships to high school students from our operating communities.

#### CONTRIBUTIONS TO COMMUNITIES AND LOCAL ECONOMIES

Canfor and Canfor Pulp are active members of the communities where we operate. We provide jobs and other economic benefits, and we support events and organizations that reflect our business goals or provide broad local value.

In 2015, Canfor Pulp directly contributed more than \$600 million to British Columbia's economy through employee pay cheques, property taxes and goods and services purchased. We also make sure local businesses benefit from spending related to our woodlands operations.

Through our Corporate Sponsorship and Donation Program, we donated more than \$580,000 for community activities in 2015 through a number of corporate donations and employee-led fundraising initiatives.

# CANFOR PULP: BREAKDOWN OF GOODS AND SERVICES PURCHASED IN BRITISH COLUMBIA



Other Materials/Supplies \$86 million

Other Services \$66 million

Chemicals \$52 million

Marketing /Distribution \$50 million

☐ Taxes/Government \$16 million



# PERFORMANCE AGAINST 2015 TARGETS - CANFOR

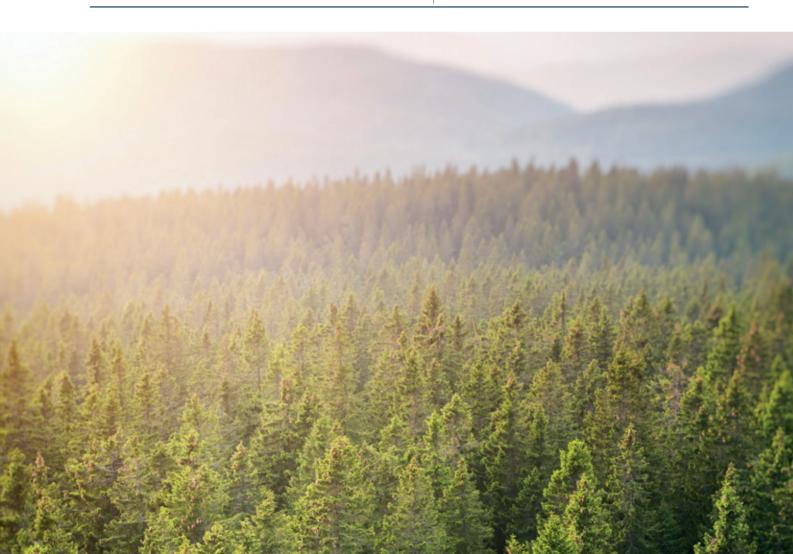
#### COMPLIANCE INFORMATION IS AVAILABLE IN THE FULL VERSION OF OUR 2015 SUSTAINABILITY REPORT.

## **FORESTRY AND MANUFACTURING**

OBJECTIVE	PERFORMANCE
<ul> <li>Reduce by 10% the number of incidents of harvesting activity not consistent with plan per million cubic metres of total delivered volume.</li> </ul>	<ul> <li>The number of incidents and road trespasses increased in 2015 from 7 to 11, exceeding the target of 6.</li> </ul>
<ul> <li>Reduce by 10% the number of riparian management incidents per million cubic metres of total delivered volume.</li> </ul>	<ul> <li>Achieved. The number of incidents was down 54%, from 1.27 incidents per Mm³ to 0.68 incidents per Mm³.</li> </ul>
<ul> <li>Reduce by 10% the number of occurrences of sedimentation and/or disruption of water flow in fish bearing streams per million cubic metres of total delivered volume.</li> </ul>	<ul> <li>Achieved. The number of incidents was down 61%, from 0.33 incidents per Mm³ to 0.20 incidents per Mm³.</li> </ul>
<ul> <li>Reduce by 10% the number of incidents where herbicide is applied outside of a treatment area per hectare treated.</li> </ul>	<ul> <li>Achieved. The number of incidents was down 61%, to 0.043 per hectare treated from 0.11 per hectare treated.</li> </ul>
▶ Reduce by 10% the number of forestry fuel management incidents per million cubic metres of total delivered volume.	The number of incidents increased in 2015 from 11 to 16, exceeding the target of 10.
Continue efforts to establish sustainable solutions to historical and ongoing wood residue accumulations of woody debris at our sawmill sites.	Achieved. Established Wood Residue Task Force; used drone aerial photography to quantify mill woody debris accumulations at nine sites. Next steps are to characterize the accumulations, identify management options and prepare mill-specific management plans.
Test a higher capacity log yard debris and screening system at one sawmill to reduce landfill quantities. If successful, implement it at other sawmills.	<ul> <li>Achieved. Processed 18,730 cubic metres of logyard debris at two sawmill sites, separating the debris into usable bark, rock and mineral matter and fines.</li> </ul>
ENERGY EFFICIENCY	
Continue implementing our energy use reduction plan for solid wood facilities, including a 10% reduction in electricity use per unit of sawmill production over 2015 and 2016.	▶ Canfor reduced its energy use by 1.9% in 2015.
SAFETY	
▶ Achieve a company-wide medical incident rate of 2.0 or lower.	We achieved a company-wide MIR of 2.21. Significant progress was made towards this goal in 2015 while integrating our newly acquired US South operations in to our safety reporting.
Introduce a safety monitor program to communicate safety updates and other important information, and test it in several facilities.	<ul> <li>Achieved. Tested Canfor TV to run a continuous loop of safety tips and other information. Eight locations had monitors by the end of 2015.</li> </ul>

# **COMMUNITY AND PEOPLE**

OBJECTIVE	PERFORMANCE
<ul> <li>Expand partnerships with First Nations through activities coordinated through a company-wide First Nations Working Group.</li> </ul>	<ul> <li>Achieved. Activities included three pulp mill tours for First Nations students, attendance at nine career fairs and 14 cultural awareness workshops; a business matchup session, and a range of sponsorships.</li> </ul>
Host community events in all of our operating communities.	<ul> <li>Community events held in Canadian operating communities, and employee events held in US operating communities.</li> </ul>
Meet with mayor of each operating community.	Met with mayors in each of our Canadian locations and some of the US locations.
<ul> <li>Establish high school scholarships for forestry and trades related studies in all of our operating communities.</li> </ul>	Have scholarships in place at all Canadian locations, and establishing them at US locations.
Support the 2015 Canada Winter Games for our north central BC communities, including a program for high school students.	<ul> <li>Achieved. Sponsored Games, welcomed visitors at Canfor House, hosted 500 students from north central communities.</li> </ul>
Continue to enhance the new skills development and training program to facilitate effective and safe performance of tasks.	Achieved. Established a leadership development program as well as Canfor College, an internal skills development program, with more than 1,360 participants in the various courses offered in 2015.



# PERFORMANCE AGAINST 2015 TARGETS - CANFOR PULP

## COMPLIANCE INFORMATION IS AVAILABLE IN THE FULL VERSION OF OUR 2015 SUSTAINABILITY REPORT.

# **CERTIFIED PRODUCTS**

CERTIFIED PRODUCTS	
OBJECTIVE	PERFORMANCE
<ul> <li>Incorporate the Taylor Mill into Canfor Pulp's Multi-site FSC Controlled Wood Chain-of-Custody Certification.</li> </ul>	<ul> <li>Achieved. Taylor was certified to Canfor Pulp's Multi-site FSC Controlled Wood Chain-of-Custody Certification and PEFC chain of custody.</li> </ul>
▶ Achieve an overall certified fibre supply level of 82%.	Achieved. Overall certified fibre supply to the four mills was 82%.
RENEWABLE ENERGY	
Identify thermal energy savings opportunities from pulp manufacturing to achieve a 5% reduction at our Northwood facility.	<ul> <li>Extensive study conducted to identify thermal energy optimization at Northwood, including capital plans for 2016</li> </ul>
▶ Increase renewable energy generation to 1 million MWh.	Total renewable energy generation 910,993 MWh, just short of the target.
<ul> <li>Start the new 32-MW turbine-generator at the Intercontinental mill in Q1.</li> </ul>	Achieved.
ENVIRONMENTAL	
Reduce water consumption by 5% per unit of pulp produced at each mill.	<ul> <li>Northwood reduced water consumption by 2.5%; consumption remained the same or increased slightly at the other three mills.</li> </ul>
Identify specific opportunities to reduce solid waste through ash reduction in biomass boiler operations and fibre loss reductions in the pulping processes.	<ul> <li>Achieved. Boiler ash reinjection system reduced solid waste at Intercontinental.</li> </ul>
AFETY	
▶ Meet the company-wide medical incident rate of 2.0 or lower.	▶ MIR for Canfor Pulp was 2.12.
OMMUNITY AND PEOPLE	
<ul> <li>Expand partnerships with First Nations through activities coordinated through a company-wide First Nations Working Group.</li> </ul>	Achieved. Activities included three pulp mill tours for First Nations students, attendance at nine career fairs and 14 cultural awareness workshops; a business matchup session, and a range of sponsorships.
▶ Host community events in all of our operating communities.	<ul> <li>Achieved. Community events held in Canfor Pulp operating communities.</li> </ul>
▶ Meet with mayor of each operating community.	<ul> <li>Achieved. Met with mayors in each of our Canfor Pulp operating communities.</li> </ul>
<ul> <li>Establish high school scholarships for forestry and trades related studies in all of our operating communities.</li> </ul>	<ul> <li>Achieved. Have scholarships in place at all Canfor Pulp locations.</li> </ul>
Support the 2015 Canada Winter Games for our north central BC communities, including a program for high school students.	<ul> <li>Achieved. Sponsored Games, welcomed visitors at Canfor House, hosted 500 students from north central communities.</li> </ul>
<ul> <li>Continue to enhance the new skills development and training program to facilitate effective and safe performance of tasks.</li> </ul>	<ul> <li>Achieved. Established a leadership development program as well as Canfor College, an internal skills development program, with more than 1,360 participants in the various courses offered in 2015.</li> </ul>

# CANFOR

#### **FORESTRY AND MANUFACTURING**

- Achieve the 2016 target of incidents of harvesting activity not consistent with plan per million cubic metres of delivered volume.
- Reduce by 10% the number of riparian management incidents per cubic metres of delivered volume.
- Reduce by 10% the number of incidents where herbicide is applied outside of a treatment area per hectare treated.
- Achieve the 2016 target for forestry fuel management incidents per million cubic metres of total delivered volume.
- Continue preparation of wood residue management plans at sawmills including characterization of accumulated materials and root cause analysis.

#### **ENERGY EFFICIENCY**

 Continue implementing our energy use reduction plan for solid wood facilities, including a 10% reduction in electricity use per unit of sawmill production over 2015 and 2016.

#### **SAFETY**

- Achieve a company-wide medical incident rate of 2.0 or lower
- Expand Canfor TV safety monitor program to all Canadian facilities/operations and begin expansion in to US operations.
- Continue to expand "One Canfor" approach to safety with focus on practical integration and standardization of safety program elements across the business.

#### **COMMUNITY AND PEOPLE**

- Implement a First Nations recruitment and selection process to identify and support potential First Nations' candidates.
- Expand partnerships with First Nations through activities coordinated through a company-wide First Nations Working Group.
- Expand high school and post-secondary partnerships that focus on supporting First Nations students.
- Host community events in all of our operating communities.
- Expand outreach to communities, with operational staff providing updates to mayors and council.
- Establish high school scholarships for forestry and trades related studies in all of our operating communities.
- Continue to enhance the new skills development and training program to facilitate effective and safe performance of tasks.

# CANFOR PULP

#### **CERTIFIED PRODUCTS**

- Combine FSC and PEFC certification audits in 2016.
- Achieve an overall certified fibre supply level of 83%.

#### **RENEWABLE ENERGY**

- Convert mechanical steam drives on the pulp machine and white water system to high efficiency electrical drives at the Intercon mill to increase power generation by 2 MW.
- Increase renewable energy generation to 1 million MWh.
- Reduce natural gas consumption for boiler operations by 10% from 2015 levels.

#### **ENVIRONMENTAL**

- Implement Oxygen Delignification at the Intercon Mill to reduce AOX discharge in mill effluent.
- Implement new sludge press technology at the Taylor Mill to reduce moisture level in effluent solids to facilitate land application and provide other disposal alternatives.

#### **SAFETY**

 Meet the company-wide medical incident rate of 2.0 or lower.

#### **COMMUNITY AND PEOPLE**

- Implement a First Nations recruitment and selection process to identify and support potential First Nations' candidates.
- Expand partnerships with First Nations through activities coordinated through a company-wide First Nations Working Group.
- Expand high school and post-secondary partnerships that focus on supporting First Nations students.
- Host community events in all of our operating communities.
- Establish high school scholarships for forestry and trades related studies in all of our operating communities.
- Continue to enhance the new skills development and training program to facilitate effective and safe performance of tasks.



