

SUSTAINABILITY PERFORMANCE INDICATORS



WOOD AND FIBER PURCHASES (Thousand Metric Tons)					
<i>Pulp and Paper Mills</i>	2014	2015	2016	2017	2018
Wood Purchases (As Received in Chip Equivalents) ¹⁾	15,453	15,856	15,463	15,586	15,178
Virgin Pulp Purchases (Air Dry)	35	33	22	41	58
Recycled Pulp Purchases (Air Dry)	67	74	66	68	75

CERTIFIED WOOD (% of Total Wood Deliveries)					
<i>Pulp and Paper Mills</i>	2014	2015	2016	2017	2018
TOTAL CERTIFIED WOOD	33%	30%	34%	41%	38%
Forest Stewardship Council (FSC)	19%	18%	19%	22%	21%
Programme for the Endorsement of Forest Certification (PEFC) ²⁾	14%	12%	15%	19%	17%

DIRECT ECONOMIC VALUE CREATED BY OPERATIONS (Million U.S. Dollars) ³⁾					
<i>All Domtar Operations</i>	2014	2015	2016	2017	2018
ECONOMIC VALUE GENERATED					
Sales Revenue	5,555	5,257	5,090	5,148	5,455
ECONOMIC VALUE DISTRIBUTED					
Materials and Services Purchased	3,691	3,471	3,407	3,445	3,612
Capital Investments in our Facilities	236	289	347	182	195
Research and Development	127	139	129	141	150
Salaries, Wages and Benefits Paid	985	938	954	993	978
Returns to Shareholders	122	150	112	104	108
Interest Paid to Debtholders	92	133	64	58	57
Taxes Paid	18	34	40	33	71

OUR WORKFORCE (% Unless Otherwise Noted)					
<i>All Domtar Operations</i>	2014	2015	2016 ⁴⁾	2017	2018
Number of Employees as of December 31 st Each Year	9,759	9,792	9,983	9,899	9,784
BY REGION					
Asia	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Europe	11%	11%	11%	12%	12%
North America	89%	89%	89%	88%	88%
BY GENDER					
Female	21%	21%	22%	22%	22%
Male	79%	79%	78%	78%	78%
BY AGE					
≤ 29	8%	9%	10%	9%	12%
30-39	16%	17%	18%	17%	18%
40-49	27%	26%	26%	25%	25%
50-59	36%	35%	34%	33%	33%
60-69	13%	13%	12%	15%	12%
≥ 70	<1%	<1%	<1%	1%	<1%
BY EMPLOYMENT TYPE ⁵⁾					
Union	47%	47%	48%	48%	44%
Non-Union	53%	53%	52%	52%	56%
TURNOVER					
Voluntary Turnover Rate	3.2%	3.4%	3.9%	3.6%	4.2%

SAFETY INCIDENTS					
<i>All Domtar Operations</i>	2014	2015	2016	2017	2018
Total Frequency Rate (# Recordable Incidents/200,000 Hours Worked)	0.97	0.99	0.82	0.78	0.74
Lost Time Frequency Rate (# Lost Time Recordable Incidents/200,000 Hours Worked)	0.38	0.43	0.33	0.38	0.35
Lost Time Severity Rate (# Lost Days * 200,000)/# Hours Worked)	26.03	25.18	32.44	16.87	18.63
Fatalities (Number) ⁶⁾	0	1	0	1	0

1) Includes roundwood and chips.

2) Includes fiber inputs from the American Tree Farm System (ATFS), Canadian Standards Association (CSA) and Sustainable Forestry Initiative (SFI). PEFC endorses these and other national forest certification standards.

3) Sales Revenue and Materials and Services Purchased, years 2014-2017, were adjusted to reflect the retrospective application of ASU 2014-09 "Revenue from contracts with customers," adopted on January 1, 2018.

4) Includes acquisition of Home Delivery Incontinent Supplies Co. (HDIS).

5) The employment type for some of our employees at our European operations were categorized differently beginning in 2018.

6) Ashdown, Arkansas, September 2015 and Kamloops, British Columbia, June 2017.

SUSTAINABILITY PERFORMANCE INDICATORS



ENERGY USE (Million Gigajoules Unless Otherwise Noted)					
All Manufacturing Facilities	2014	2015	2016	2017	2018
TOTAL ENERGY USE FOR MANUFACTURING	169.65	170.98	164.51	169.06	165.83
Biomass (Black Liquor, Bark, Wood Residuals and Biofuels)	76.6%	76.8%	76.9%	77.0%	74.7%
Natural Gas	12.7%	14.7%	15.6%	16.9%	19.1%
Purchased Electricity (net)	3.3%	3.5%	3.6%	3.7%	3.6%
Coal	5.7%	3.6%	2.5%	1.0%	1.1%
Purchased Steam and Heat (net)	0.7%	0.7%	0.6%	0.7%	0.7%
Other (Hydropower, Oil, Pet Coke, Propane, Tire-derived Fuel)	1.0%	0.7%	0.8%	0.7%	0.8%
TOTAL ENERGY USE FOR ON-SITE MOBILE EQUIPMENT	0.35	0.35	0.34	0.32	0.33
Diesel	62.5%	64.3%	66.5%	66.7%	66.4%
Propane	27.5%	25.6%	24.0%	23.8%	23.4%
Gasoline	10.0%	10.1%	9.5%	9.5%	10.2%

AIR EMISSIONS (Metric Tons)					
Pulp and Paper Mills	2014	2015	2016	2017	2018
Nitrogen Oxides (NO _x)	13,652	12,776	12,038	11,706	11,260
Sulfur Dioxide (SO ₂)	5,883	3,617	3,150	3,203	2,896
Total Particulate Matter (PM)	3,228	3,415	3,158	3,140	2,877
Volatile Organic Compounds (VOC)	5,708	5,596	4,435	4,612	4,741

GREENHOUSE GAS EMISSIONS (Million Metric Tons CO ₂ e)					
All Manufacturing Facilities	2014	2015	2016	2017	2018
TOTAL GREENHOUSE GAS EMISSIONS	3.53	3.28	3.17	3.03	3.15
Direct Emissions (Scope 1)	2.19	2.03	1.85	1.77	1.94
Indirect Emissions from Purchased Electricity and Steam (Scope 2)	0.70	0.67	0.67	0.60	0.59
Indirect Emissions from Sale of Renewable Electricity Attributes (Scope 2)	0.64	0.58	0.65	0.66	0.62

WATER USE AND DISCHARGES					
Pulp and Paper Mills	2014	2015	2016	2017	2018
TOTAL WATER USE (Million Cubic Meters) ⁷⁾	416.0	405.9	405.5	410.4	406.8
Process Water Use	365.6	367.9	363.3	365.9	361.1
Non-contact Cooling Water Use	50.4	38.0	42.2	44.5	45.7
WATER SOURCES (%)					
Surface Water	93%	93%	94%	94%	94%
Groundwater	7%	7%	6%	6%	6%
DISCHARGES TO WATER (Metric Tons)					
Adsorbable Organic Halides (AOX)	798	830	766	749	670
Biochemical Oxygen Demand (BOD)	9,933	10,045	8,570	8,990	9,435
Total Suspended Solids (TSS)	13,068	11,823	11,981	11,483	12,729

MANAGEMENT OF MANUFACTURING BYPRODUCTS (Dry Metric Tons Unless Otherwise Noted)					
Pulp and Paper Mills and Personal Care Facilities	2014	2015	2016	2017	2018
TOTAL BYPRODUCTS GENERATED	473,013	493,690	470,872	475,527	493,701
To Landfill	139,202	137,337	119,998	113,874	147,548
To Beneficial Use or Recycling	333,811	356,353	350,874	361,653	346,153
Beneficial Use and Recycling Rate	71%	72%	75%	76%	70%

HAZARDOUS WASTE (Metric Tons)					
Pulp and Paper Mills and Personal Care Facilities	2014	2015	2016	2017	2018
Total Hazardous Waste Manifested ⁸⁾	751	385	457	501	370

7) Measured as water volume discharged.

8) Reported according to national jurisdictional regulations and requirements. In Canada, facilities are required to manifest used oil as hazardous waste even when recycled. Of the total hazardous waste manifested, used oil represented a low of 40% in 2016 to a high of 80% in 2014.

Some of the data contained in these tables may be slightly different than what has been previously reported. This is due to adjustments resulting from additional data verification, ongoing efforts to standardize and improve performance indicators across the company, and changes to reporting methods.