

Sustainability Performance Indicators



WOOD AND FIBER PURCHASES (Thousand Metric Tons)					
<i>Pulp and Paper Mills</i>	2016	2017	2018	2019	2020
Wood Purchases (As Received in Chip Equivalents) ¹⁾	15,463	15,586	15,178	15,239	13,704
Virgin Pulp Purchases (Air Dry)	22	41	58	97	75
Recycled Pulp Purchases (Air Dry)	66	68	75	58	37

CERTIFIED WOOD (% of Total Wood Deliveries)					
<i>Pulp and Paper Mills</i>	2016	2017	2018	2019	2020
TOTAL CERTIFIED WOOD	34%	41%	38%	34%	41%
Forest Stewardship Council (FSC)	19%	22%	21%	18%	19%
Programme for the Endorsement of Forest Certification (PEFC) ²⁾	15%	19%	17%	16%	22%

DIRECT ECONOMIC VALUE CREATED BY OPERATIONS (Million U.S. Dollars) ³⁾					
<i>All Domtar Operations</i>	2016	2017	2018	2019	2020
ECONOMIC VALUE GENERATED					
Sales Revenue	4,291	4,258	4,565	4,369	3,652
ECONOMIC VALUE DISTRIBUTED					
Materials and Services Purchased	2,732	2,690	2,894	2,990	2,597
Capital Investments in our Facilities ⁴⁾	347	182	195	255	175
Research and Development ⁴⁾	118	132	140	130	106
Salaries, Wages and Benefits Paid	841	867	881	830	751
Returns to Shareholders ⁴⁾	112	104	108	329	110
Interest Paid to Debtholders ⁴⁾	64	58	57	46	52
Taxes Paid ⁴⁾	40	33	71	59	(22)

OUR WORKFORCE (% Unless Otherwise Noted)					
<i>All Domtar Operations</i> ⁴⁾	2016	2017	2018	2019	2020
Number of Employees as of December 31 st Each Year	9,983	9,899	9,784	9,623	6,615
BY REGION					
Asia	<0.1%	<0.1%	<0.1%	0.1%	0.1%
Europe	11%	12%	12%	12%	0.1%
North America	89%	88%	88%	88%	99.8%
BY GENDER					
Female	22%	22%	22%	23%	18%
Male	78%	78%	78%	77%	82%
BY AGE					
≤ 29	10%	9%	12%	12%	10%
30-39	18%	17%	18%	19%	18%
40-49	26%	25%	25%	25%	24.6%
50-59	34%	33%	33%	32%	34%
60-69	12%	15%	12%	12%	13%
≥ 70	<1%	1%	<1%	<1%	0.4%
BY EMPLOYMENT TYPE					
Union	48%	48%	44%	44%	43%
Non-Union	52%	52%	56%	56%	57%
TURNOVER					
Voluntary Turnover Rate	3.9%	3.6%	4.2%	5.0%	5.2%

SAFETY INCIDENTS					
<i>All Domtar Operations</i>	2016	2017	2018	2019	2020
Total Frequency Rate (# Recordable Incidents/200,000 Hours Worked)	0.87	0.81	0.78	0.83	0.67
Lost Time Frequency Rate (# Lost Time Recordable Incidents/200,000 Hours Worked)	0.31	0.39	0.36	0.32	0.27
Lost Time Severity Rate (# Lost Days * 200,000)/# Hours Worked)	33.71	18.43	18.98	13.32	12.08
Fatalities (Number) ⁵⁾	0	1	0	0	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 2015-2017, 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) Kamloops, British Columbia mill, June 2017.

Sustainability Performance Indicators



ENERGY USE (Million Gigajoules Unless Otherwise Noted)					
	2016	2017	2018	2019	2020
All Manufacturing Facilities					
TOTAL ENERGY USE FOR MANUFACTURING	163.88	168.40	165.16	158.09	147.65
Biomass (Black Liquor, Bark, Wood Residuals and Biofuels)	77.2%	77.3%	75.1%	74.6%	74.9%
Natural Gas	15.6%	16.9%	19.1%	19.3%	19.5%
Purchased Electricity (net)	3.3%	3.4%	3.3%	3.8%	3.3%
Coal	2.5%	1.0%	1.1%	1.0%	0.9%
Purchased Steam (net)	0.6%	0.7%	0.7%	0.7%	0.6%
Other (Hydropower, Oil, Pet Coke, Propane, Tire-derived Fuel)	0.8%	0.7%	0.8%	0.6%	0.8%
TOTAL ENERGY USE FOR ON-SITE MOBILE EQUIPMENT	0.34	0.32	0.33	0.31	0.27
Diesel	66.5%	66.7%	66.4%	66.5%	67.2%
Propane	24.0%	23.8%	23.4%	22.8%	22.1%
Gasoline	9.6%	9.6%	10.3%	10.7%	10.6%

AIR EMISSIONS (Metric Tons)					
	2016	2017	2018	2019	2020
Pulp and Paper Mills					
Nitrogen Oxides (NO _x)	12,038	11,706	11,260	10,628	10,494
Sulfur Dioxide (SO ₂)	3,150	3,203	2,896	3,264	3,267
Total Particulate Matter (PM)	3,158	3,140	2,877	2,406	2,672
Volatile Organic Compounds (VOC)	4,435	4,612	4,741	4,537	4,463

GREENHOUSE GAS EMISSIONS (Million Metric Tons CO ₂ e)					
	2016	2017	2018	2019	2020
All Manufacturing Facilities					
TOTAL GREENHOUSE GAS EMISSIONS	3.17	3.04	3.15	3.00	2.65
Direct Emissions (Scope 1)	1.85	1.77	1.94	1.85	1.72
Indirect Emissions from Purchased Electricity and Steam (Scope 2)	0.67	0.60	0.59	0.70	0.49
Indirect Emissions from Sale of Renewable Electricity Attributes (Scope 2)	0.65	0.66	0.62	0.46	0.43

WATER USE AND DISCHARGES					
	2016	2017	2018	2019	2020
Pulp and Paper Mills					
TOTAL WATER USE (Million Cubic Meters)⁶⁾	405.5	410.4	406.8	366.7	353.4
Process Water Use	363.3	365.9	361.1	344.4	336.6
Non-contact Cooling Water Use	42.2	44.5	45.7	22.3	16.8
WATER SOURCES (%)					
Surface Water	94%	94%	94%	92%	93%
Groundwater	6%	6%	6%	8%	7%
DISCHARGES TO WATER (Metric Tons)					
Adsorbable Organic Halides (AOX)	766	749	670	645	669
Biochemical Oxygen Demand (BOD)	8,570	8,990	9,435	8,428	7,246
Total Suspended Solids (TSS)	11,981	11,483	12,729	12,170	9,265

MANAGEMENT OF MANUFACTURING BYPRODUCTS (Dry Metric Tons Unless Otherwise Noted)					
	2016	2017	2018	2019	2020
Pulp and Paper Mills and Personal Care Facilities					
TOTAL BYPRODUCTS GENERATED	450,646	454,871	473,888	470,585	401,372
To Landfill	116,168	110,051	144,850	153,522	116,961
To Beneficial Use or Recycling	334,478	344,820	329,038	317,063	284,411
Beneficial Use and Recycling Rate	74%	76%	69%	67%	71%

HAZARDOUS WASTE (Metric Tons)					
	2016	2017	2018	2019	2020
Pulp and Paper Mills and Personal Care Facilities					
Total Hazardous Waste Manifested ⁷⁾	457	501	370	433	468

6) Measured as water volume discharged.

7) Reported according to national jurisdictional regulations and requirements. In 2019, the increase was primarily due to groundwater reclamation at one of our sites from legacy operations (413 metric tons).

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.