

# WORKBC INDUSTRY OUTLOOK PROFILE

## PAPER MANUFACTURING (NAICS<sup>1</sup> 322)

### About this report

This is a summary of forecast information available about this industry in the B.C. Labour Market Outlook 2018 edition forecast. An overview of this forecast is provided in the main report which is available at: [www.workbc.ca/labourmarketoutlook](http://www.workbc.ca/labourmarketoutlook). The raw data is available at: [BC Data Catalogue](#).

### 1. Outlook Highlights

Paper Manufacturing industry employment is expected to continue its slow decline due to timber supply limitations, productivity improvements, the decline in paper consumption and stronger competition from paper producers in other countries.

The Paper Manufacturing industry comprises establishments primarily engaged in manufacturing pulp, paper and paper products. The manufacture of pulp involves separating the cellulose fibres from other impurities in wood, used paper or other fibre sources. The manufacture of paper involves matting these fibres into a sheet. Converted paper products are produced from paper and other, materials by various cutting and shaping techniques.

#### 1.1 B.C. industry employment and job openings

Industry	Employment		Employment Growth			Job Openings		Replacement Share
	Number of Workers	Share of B.C.	(Average Annual Rate)			Number of Openings	Share of B.C.	(Share of Openings)
	2018	2018	2018-2023	2023-2028	2018-2028	2018-2028	2018-2028	2018-2028
<b>This Industry</b>	10,286	0.4%	-1.2%	-0.8%	-1.0%	1,986	0.2%	100.0%
<b>All Industries</b>	2,501,081	100.0%	1.1%	1.1%	1.1%	903,007	100.0%	68.1%

#### 1.2 B.C. industry job openings by type

Job Openings	2018-2023	2023-2028	2018-2028
<b>Total Job Openings</b>	972	1,014	1,986
<b>Expansion Demand</b>	-671	-409	-1,080
<b>Replacement Demand</b>	1,644	1,424	3,068

*2018-2028 total job openings<sup>2</sup>: the total job openings in the 10 years between 2018 and 2028*

<sup>1</sup> NAICS: North American Industry Classification System Canada 2012

<sup>2</sup> Total job openings: the sum of expansion and replacement job openings over the period. A job opening is the addition of a new job through economic growth (expansion) or a job that needs to be filled due to someone exiting the labour force permanently as a result of retirement, death or other reasons (replacement).

# WORKBC INDUSTRY OUTLOOK PROFILE

## 1.3 B.C. industry employment growth and job openings by development region

Region	Employment	Employment Growth (Average Annual Rate)			Job Openings		
	2018	2018-2023	2023-2028	2018-2028	2018-2023	2023-2028	2018-2028
<b>British Columbia</b>	10,286	-1.2%	-0.8%	-1.0%	972	1,014	1,986
<b>Vancouver Island/Coast</b>	2,150	-0.8%	-0.8%	-0.8%	338	258	596
<b>Mainland/Southwest</b>	2,765	-1.3%	-1.3%	-1.3%	263	213	476
<b>Thompson-Okanagan</b>	961	-2.6%	0.4%	-1.1%	6	140	146
<b>Kootenay</b>	1,385	-1.4%	-1.3%	-1.4%	122	101	223
<b>Cariboo</b>	2,585	-1.2%	-0.4%	-0.8%	150	253	403
<b>North Coast &amp; Nechako</b>	181	3.0%	-0.1%	1.4%	50	20	70
<b>Northeast</b>	260	0.0%	-1.0%	-0.5%	43	27	70

## 2. Occupations in the Industry

### 2.1 B.C. top occupations by skill level in the industry

Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
<b>LEVEL 0:</b> <i>Usually requiring combination of education and experience</i>	#0911	Manufacturing managers	258	59	3.6%	38.46	17.00	61.54
	#0016	Senior managers - construction, transportation, production and utilities	80	21	4.0%	47.65	21.50	90.77
	#0714	Facility operation and maintenance managers	86	21	3.8%	35.10	19.85	57.00
	#0113	Purchasing managers	17	8	5.9%	37.56	20.10	65.22
	#0114	Other administrative services managers	21	7	4.6%	-	-	-
		Other occupations	151	23	-	-	-	-
	<b>Total</b>		<b>612</b>	<b>139</b>	-	-	-	-
<b>LEVEL A:</b> <i>Usually requiring a Bachelor's, Graduate or First Professional Degree</i>	#1111	Financial auditors and accountants	125	12	2.2%	27.88	17.00	47.00
	#2134	Chemical engineers	97	11	2.3%	42.00	25.37	74.62
	#2132	Mechanical engineers	128	10	1.9%	42.31	23.65	57.69
	#4021	College and other vocational instructors	30	7	3.6%	33.65	17.00	50.48
	#2171	Information systems analysts and consultants	34	5	2.8%	38.46	23.08	52.88
		Other occupations	277	30	-	-	-	-
	<b>Total</b>		<b>692</b>	<b>74</b>	-	-	-	-

# WORKBC INDUSTRY OUTLOOK PROFILE

Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
<b>LEVEL B:</b>  <i>Usually requiring diploma, certificate or apprenticeship training</i>	#9215	Supervisors, forest products processing	456	219	6.2%	32.00	23.00	48.08
	#7311	Construction millwrights and industrial mechanics	960	198	3.1%	35.00	18.50	40.00
	#9235	Pulping, papermaking and coating control operators	558	152	4.0%	41.93	11.35	52.19
	#9241	Power engineers and power systems operators	710	106	2.8%	34.00	25.38	43.00
	#7242	Industrial electricians	514	65	2.2%	35.00	21.00	44.00
		Other occupations	2,077	265	-	-	-	-
	<b>Total</b>			<b>5,275</b>	<b>1,004</b>	-	-	-
<b>LEVEL C:</b>  <i>Usually requiring secondary school and/or occupation-specific training</i>	#9432	Pulp mill machine operators	661	220	4.6%	29.39	24.00	33.44
	#9433	Papermaking and finishing machine operators	377	179	6.1%	34.70	11.35	44.75
	#9435	Paper converting machine operators	192	55	4.4%	29.79	18.96	40.42
	#7521	Heavy equipment operators (except crane)	212	30	2.7%	28.00	21.00	35.00
	#7452	Material handlers	391	24	1.9%	17.00	11.35	31.00
		Other occupations	864	103	-	-	-	-
	<b>Total</b>			<b>2,697</b>	<b>610</b>	-	-	-
<b>LEVEL D:</b>  <i>Usually requiring on-the-job training</i>	#9614	Labourers in wood, pulp and paper processing	722	126	3.1%	26.00	14.00	30.00
	#6733	Janitors, caretakers and building superintendents	68	14	3.4%	17.00	11.35	25.91
	#9619	Other labourers in processing, manufacturing and utilities	80	7	2.2%	16.72	11.35	27.90
	#6731	Light duty cleaners	47	4	2.0%	15.00	11.35	20.60
	#6732	Specialized cleaners	11	2	2.7%	13.50	11.35	25.00
		Other occupations	81	5	-	-	-	-
	<b>Total</b>			<b>1,010</b>	<b>157</b>	-	-	-