



Australian Paper Industry Statistics 2005-06

Unless otherwise stated, all data is derived from information provided by Australia's six major paper manufacturing companies, Amcor Australia, Kimberly-Clark Australia, Australian Paper, Norske Skog Australasia, SCA Hygiene Australasia and Visy Industries.

Apparent Consumption of Paper ('000 tonnes)

	Production	Exports	Imports ¹	Consumption ²
Newsprint	415	0	325	739
Printing & Writing	587	108	1140	1,619
Tissue	200	0	88	288
Packaging & Industrial	1,916	496	191	1,610
Total	3,119	605	1,743	4,257

¹ Source: Australian Bureau of Agricultural and Resource Economics (ABARE)

² Consumption = Production - Exports + Imports

Consumption of Pulp ('000 tonnes)

	Production	Imports ¹	Consumption ²
Mechanical	619	8	627
Chemical	675	321	996
Semi-Chemical	130	20	150
Total	1,425	348	1,773

¹ Source: Australian Bureau of Agricultural and Resource Economics (ABARE)

² Consumption = Production + Imports

Sales Revenue³ (\$ millions)

	Domestic	Export	Total
Pulp	18	0	18
Wastepaper	7	8	15
Newsprint	402	0	402
Printing & Writing ¹	665	178	843
Tissue ²	512	34	546
Packaging & Industrial	518	142	660
Total	2,121	363	2,484

¹ Printing & Writing includes directory paper and mechanical printing paper

² Tissue excludes non-wovens and nappies

³ Figures do not include Visy and SCA



AUSTRALIAN PLANTATION PRODUCTS
AND PAPER INDUSTRY COUNCIL

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Fixed Capital Investment¹ (\$ millions)

New South Wales	645
Victoria	685
Queensland	118
South Australia	448
Western Australia	2
Tasmania	413
<i>Total</i>	<i>2,310</i>

¹ Figures do not include Visy and SCA

Employment¹

New South Wales	988
Victoria	1,788
Queensland	313
South Australia	665
Western Australia	114
Tasmania	932
<i>Total</i>	<i>4,800</i>

¹ Figures do not include Visy and SCA

Balance of Paper Trade (\$ millions)

Product	Exports ¹	Imports ¹	Trade Balance ²
Paper and Board	601.1	2187.0	-1585.9
Wastepaper	140.1	1.5	138.6
Pulp	5.5	225.0	-219.5
Paper Manufactures	125.1	425.8	-300.7
<i>Total</i>	<i>871.8</i>	<i>2,839.3</i>	<i>-1,967.5</i>

¹ Source: Australian Bureau of Agricultural and Resource Economics (ABARE)

² Trade Balance = Exports - Imports



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Energy Consumption (TJ)

Primary Energy	
Black Coal	5,137
Brown Coal	1,892
Natural Gas	18,333
Fuel Oil	0
Steam	1,495
<i>Sub Total</i>	<i>26,857</i>
Energy Recovered on Site	
Black Liquor	9,713
Biomass (primarily wood)	5,413
<i>Sub Total</i>	<i>15,126</i>
Electricity Purchased	
Hydro	2,426
Other	7,919
<i>Sub Total</i>	<i>10,345</i>
<i>Total</i>	<i>52,329</i>
% Renewable	33.5%

Wood Fibre Inputs¹ ('000 green tonnes)

Fibre Inputs	Softwood	Hardwood	Total
Pulp Logs			
Plantation	1,847	268	2,115
Regrowth Native Forest	0	673	673
Sawmill Residue	303	120	423
<i>Total</i>	<i>2,150</i>	<i>1,061</i>	<i>3,211</i>

¹ Figures do not include Visy and SCA

Wastepaper Collections ('000 tonnes)

	Mixed ¹ incl. Pack. & Ind.	Newsprint	Printing & Writing	Magazines	Liquid Cartonboard	Total
Collections	1,747	296	65	63	7	2,178
Imports	0	0	0	0	0	0
Exports	407	3	8	4	0	422
Sales to other domestic	14	4	0	0	0	18
<i>Net Fibre</i>	<i>1,326</i>	<i>289</i>	<i>57</i>	<i>59</i>	<i>7</i>	<i>1,738</i>

¹ Mixed category includes co-mingling volumes of printing, writing and other grades.



Australian Paper Industry Statistics 2005-06

Recovered Paper Usage

Used in production of...

('000 tonnes)

	Packaging & Industrial	Newsprint	Printing & Writing	Tissue	Market Pulp	Total
Mixed ¹ incl. Pack. & Ind.	1,425	0	0	0	0	1,425
Newsprint	0	106	0	0	0	106
Printing & Writing	0	0	25	4	0	29
Magazines	0	63	0	0	0	63
Liquid Cartonboard	0	0	5	0	0	5
<i>Total from Recovered</i>	<i>1,425</i>	<i>169</i>	<i>30</i>	<i>4</i>	<i>0</i>	<i>1,628</i>
Yield	90%	85%	70%	70%	<i>Total</i>	
Recycled Fibre Content	1,283	144	21	3	1,450	
Virgin Fibre & Additives	633	271	566	160	1,630	
Paper Production	1,916	415	587	162	3,081	
Paper Consumption	1,610	739	1,619	288	4,257	
Utilisation Rate	66.9%	34.6%	3.6%	1.7%	47.1%	
Recovery Rate					51.2%	

¹ Mixed category includes co-mingling volumes of printing, writing and other grades.

Greenhouse Gas Emissions ('000 tonnes CO₂ -e)

Emission Source	
Indirect	
Purchased Electricity	2,459
Waste to landfill methane	222
Direct	
Natural Gas Combustion	1285
Coal combustion	491
<i>Total</i>	<i>4,456</i>
<i>per tonne production</i>	<i>1.35</i> excl methane

Water Use

Water use per tonne of production	24.7 kL/tonne
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Water Quality

Discharges to Surface Water:	
Total Suspended Solids (TSS)	1.14 kg/tonne
Biochemical Oxygen Demand (BOD)	4.62 kg/tonne
Chemical Oxygen Demand (COD)	10.04 kg/tonne

Waste

Waste to Landfill	295,545 tonnes
Waste to Landfill per tonne of production	94 kg/tonne