

Australian Government
Carbon Neutral Program
Public Disclosure Summary



NAME OF CERTIFIED ENTITY: Paper Australia Pty Ltd (Australian Paper)

REPORTING PERIOD: 1st January 2017 – 31st December 2017

Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature 	Date 25/05/2018
Name of Signatory Meagan Nimbs	
Position of Signatory Sustainability Systems Manager	

Carbon neutral certification category	Product
Date of most recent external verification/audit	18 th May 2016
Auditor	RSM Australia
Auditor assurance statement link	



Australian Government
Department of the Environment and Energy

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1. Carbon neutral information

1A. Introduction

Paper Australia Pty Ltd (Australian Paper) is the leading producer of office, printing and packaging paper in Australia, manufacturing from its mill at Maryvale, Victoria. Australian Paper produces and markets thousands of non-carbon neutral paper products and almost 300 Carbon Neutral certified paper products were sold during the reporting period. Products include office papers, envelope papers, bag papers, printing papers and recycled paper in both sheet and roll forms.

Maryvale Mill is the largest integrated pulp and paper manufacturing site in Australia, producing over 500,000 tonnes of paper from facilities including a wood yard, three pulp mills, five paper machines, converting facilities, a waste paper processing plant and an integrated chemical recovery and energy plants.

The product delivered by Australian Paper consists of a range of branded paper products with a proportion sold under the carbon neutral logo throughout Australia and New Zealand.

The LCA undertaken covers the raw materials, production, packaging, distribution and disposal of all products produced at the Maryvale mill. The LCA model for paper manufacturing includes over 250 raw material inputs flowing through approximately 600 intermediate processes across the mill. The functional unit is one tonne of certified paper product. This inventory has been prepared based on the standards of *National Carbon Offset Standard for PRODUCTS & SERVICES version: effective from 1 November 2017* with data references from the *National Inventory Report 2015 Vol. 2* and *National Greenhouse Accounts (NGA) Factors 2017*. The emissions included in the inventory include all greenhouse gases CO₂, CH₄, N₂O, HCFs, PFCs, SF₆, HCFCs and CFCs.

The system boundary begins with raw material production in the form of roundwood production in hardwood and softwood forestry operations and in collection of recycled fibre for inclusion in paper production. It includes all raw material transport, pulping of wood fibre, imports of external pulp, production and finishing of paper products and finally packaging and distribution from the Maryvale mill. While the use of the paper is considered outside the system boundary, the landfilling of the paper products after use is included in the LCA.

1B. Emission sources within certification boundary

Quantified sources

The quantified emission sources inclusive of cradle-to-grave inputs and outflows are listed below in the system boundary (1C).

Excluded sources

The following emission sources have been excluded in line with the provisions of the National Carbon Offset Standard for Products & Services. The impact of excluding these sources is not expected to materially affect the overall total emissions.

1. Office equipment and consumables i.e. staplers, stationary, printers etc.

Quantifying emissions is not cost effective due to the relative size of the emissions. Office equipment and consumables are estimated at less than 0.001% of overall emissions.

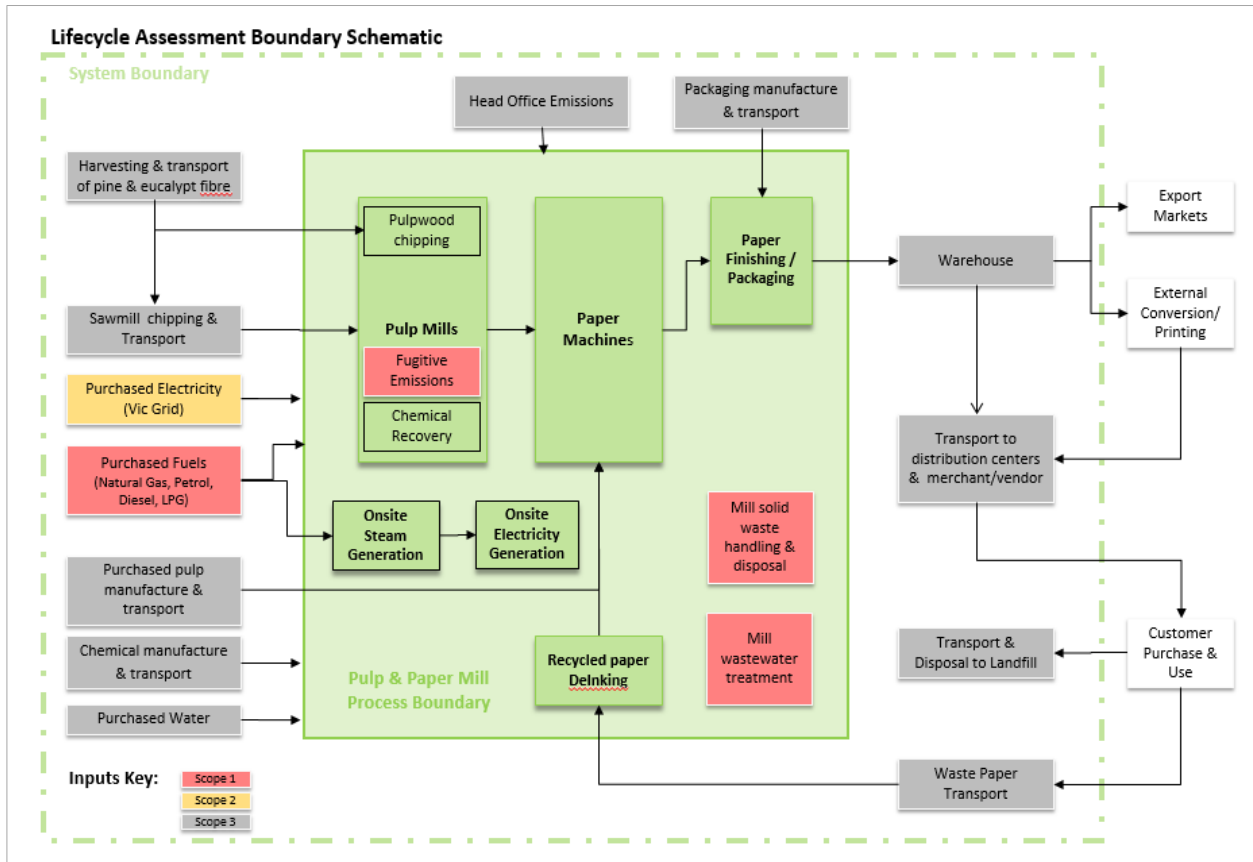
2. Paper machine consumables i.e. machine fabrics

Quantifying emissions is not practicable or cost effective due to the highly complex and specialised nature of the manufacture of these consumables, and their emissions have been previously estimated at less than 1% of overall emissions.

3. Offsite finishing and processing

Small quantities of some products are directed for offsite finishing prior to sale. This is done at the request of customers and is specific to their needs for the end use of the paper. External conversion is not included in the system boundary.

1C. Diagram of the certification boundary



2. Emissions reduction measures

2A. Emissions over time

Australian Paper reports emissions on a product by product basis. Australian Paper makes no comparison of total emissions over time, other than the specific emission factor which might apply to an individual product – used as an indicator of the efficiency with which Australian Paper has produced the product.

Base year emissions and any historic data are not recalculated for organic growth or decline. Organic growth/decline refers to increases or decreases in production output, changes in product mix, changes in energy efficiency through capital upgrades, and closures and openings of operating units that are owned or controlled by the company. The rationale for this is that organic growth or decline results in a change of emissions to the atmosphere and therefore needs to be counted as an increase or decrease in the company's emissions profile over time.

Thus, Australian Paper will apply a base year recalculation, and recalculations to any subsequent year, on:

- a) changes in calculation methodology or improvements in the accuracy of emission factors or activity data that result in a significant impact on the base year emissions data
- b) or discovery of significant errors, or a number of cumulative errors, that are collectively significant.

The threshold for triggering a recalculation is when a retrospective change in the points above would be expected to result in a 5% change of a product's specific emissions intensity from that originally calculated in the baseline year.

Table 1. Emissions since base year			
Product	Base Year: 2012	Emission Intensity [t CO2 per t paper]	Comments
All CN Products	2012	2.24	Highest proportion of biomass fuel since 2009 High proportion of sales of lower emissions intensity papers Lower proportion of sales tonnes from Shoalhaven mill (with higher emissions intensity products)
All CN Products	2013	2.57	Additional emissions factor added to chemicals footprint.
All CN Products	2014	2.60	
All CN Products	2015	2.67	Lower proportion of biomass, across lower production output Slow startup of new recycling/DiP plant Increased proportion of recycled content and higher specific footprint papers

All CN Products	2016	2.38	Improved efficiency of recycling/DIP plant Electricity impacts per tonne CN papers lower than 2015 Lower production output and increased sales of CN products
All CN Products	2017	2.35	Lower production output and increased sales of CN products Gas impacts per tonne CN papers lower than 2016

2B. Emissions reduction strategy

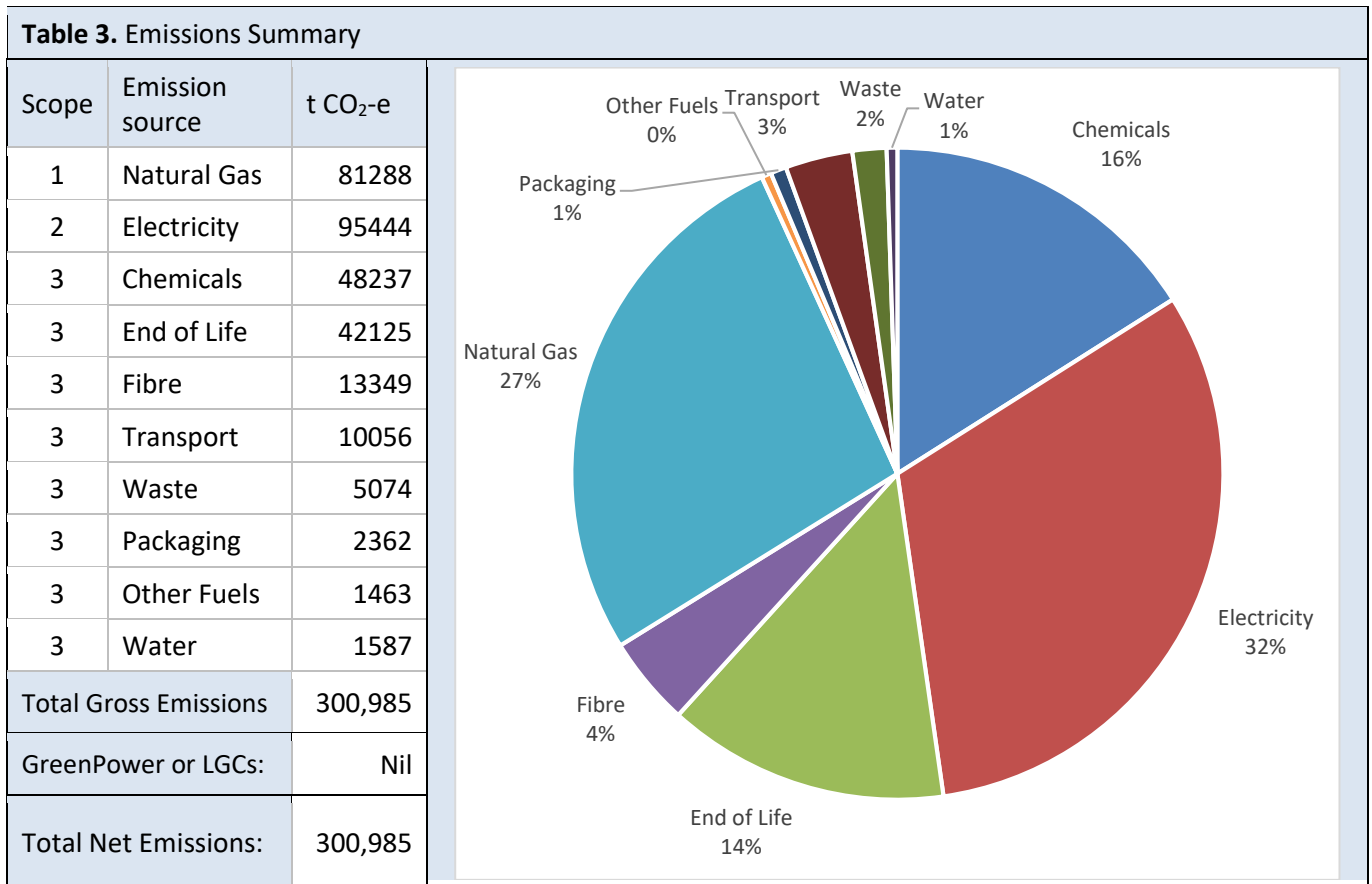
Australian Paper supports an energy reduction team comprising experienced mill-based engineering personnel who analyse, assess and implement new projects across the site which will deliver reductions in usage of steam, gas and electricity. Table 2 contains internally verified reduction measures implemented during 2017, intended to deliver permanent ongoing savings. In addition, there are a number of other minor improvement projects being conducted as part of everyday operations, all of which are contributing to Australian Paper's long term objective of permanent compounding energy efficiency improvements and reductions of 1% per annum.

2C. Emissions reduction actions

Table 2. Emissions reduction measures implemented in the current reporting period					
Year completed	Emission source	Reduction measure and calculation method	Scope	Status	Reduction t CO ₂ -e
2017	Gas	Reduce steam requirement on Power Plant Deaerator	1	Completed	6795.2
2017	Gas	Reduce steam usage on 2 paper making machines	1	Completed	1359.0
2017	Gas	Prevent steam bypassing Power Plant steam traps- reduced steam requirement	1	Completed	679.5
2017	Gas	Reduce gas usage in paper making machine hood burner	1	Completed	951.3
2017	Gas	Prevent steam bypassing Recovery steam traps- reduced steam requirement	1	Completed	1359.0
2017	Gas	Improve pumping efficiency	1	Completed	1359.0
2017	Gas	Prevent steam bypassing steam traps in Recovery sootblower- reduced steam requirement	1	Completed	2718.1

2017	Gas	Reduced steam use in thermocompressors	1	Completed	951.3
2017	Gas	Reduced steam use on stationary syphons	1	Completed	1766.8
2017	Gas	Reduced steam use on machine rolls	1	Completed	3397.6
Total emission reductions implemented in this reporting period					21,337

3. Emissions summary



4. Carbon offsets

4A. Offsets summary

Table 4. Offsets Summary			
Offset type and registry	Year retired	Quantity	Serial numbers
CER UNFCCC CDM	2017	2,538	IN-5-182480586-1-1-0-3854 to: IN-5-182492058-1-1-0-3854
CER UNFCCC CDM	2017	103,000	BR-5-71590872-1-1-0-530 to: BR-5-71693871-1-1-0-530
VCU APX	2017	97,483	1014-46008409-46105891-VCU-001-CDC-IN-1-173-01102009-31032010-0
CER UNFCCC CDM	2017	34,517	IN-5-175080201-1-1-0-4576 to: IN-5-175114717-1-1-0-4576
VCU APX	2018	59383	5830-262960378-263019760-VCU-048-APX-IN-1-1521-21022014-31122014-0
VCU APX	2018	4064	5829-262944761-262960377-VCU-048-APX-IN-1-1521-01012015-31122015-0
Total offset units retired			300,985
Net emissions after offsetting			0
Total offsets banked for use future years: (if any) [include serial numbers]			11,553 5829-262944761-262960377-VCU-048-APX-IN-1-1521-01012015-31122015-0

4B. Offsets purchasing and retirement strategy

Australian Paper makes quarterly forward estimates of offset requirements based on combining the preceding reporting period's emissions intensity values and the sales forecast for paper products. During the quarter, Australian Paper then procures offsets that comply with a standard recognised by the NCOS, and retires them.

Upon completion of the annual report; and in the case of a reporting period requiring verification by audit – prior to the final verification, Australian Paper will finalise procurement of offsets and cancel/retire at least the final total required volume of offsets as identified in the annual report.





If Australian Paper retires more offsets during a reporting period in excess of those reported in Table 4, these are to be applied to future offset requirements covering carbon neutral product sales in subsequent reporting periods.

4C. Offset projects (Co-benefits)

Acknowledging the high proportion of renewable energy that Australian Paper already produces from biomass as a byproduct from the pulping process, offsets are invested in alternative energy generation developments, such as solar, wind or biomass.

5. Use of trade mark

Table 4. Trade mark register		
Where used	Logo type	Logo
Product Specification sheets	Carbon neutral certified logo	
Fact sheets	“An Australian Government Initiative” with Australian coat of arms alongside trademark	 An Australian Government Initiative
Banners	“An Australian Government Initiative” with Australian coat of arms alongside trademark	 An Australian Government Initiative
Australian Paper website	“An Australian Government Initiative” with Australian coat of arms alongside trademark	 An Australian Government Initiative
Reflex Website	“An Australian Government Initiative” with Australian coat of arms alongside trademark	 An Australian Government Initiative
Promotional & Product Flyers	Carbon neutral certified logo	
Presentations	“An Australian Government Initiative” with Australian coat of arms alongside trademark	 An Australian Government Initiative
Customer Price List	Carbon neutral certified logo & Carbon neutral paper logo	

<p>Australian Paper branded copy paper: includes Australian, Australian 100% recycled, Brilliant, Reflex Ultra White, Reflex Ultra White 20% recycled, Reflex 50% recycled, Reflex 100% recycled</p>	<p>“An Australian Government Initiative” with Australian coat of arms alongside trademark</p>	
<p>Australian Paper branded printing papers: includes New Grange Laser, Revive Laser</p>	<p>Carbon neutral certified logo</p>	
<p>Customer branded papers & copy papers: includes Aspire, Bibbulmun, Office Choice, Office National, OPD, Planet Ark 100% recycled, Planet Ark “Mindful”, Staples Red, Staples Blue, Staples 20% recycled, Xerox Green Wrap 100% recycled</p> <p>*The above brands are manufactured by Australian Paper but are not owned by Australian Paper*</p>	<p>Carbon neutral certified logo or “An Australian Government Initiative” with Australian coat of arms alongside trademark</p>	
<p>Custom Printed envelopes using Australian Paper CN envelope paper</p>	<p>Carbon neutral paper logo</p>	

In addition to the carbon neutral products listed above where the trademark is used on the product, Australian Paper also sells the following carbon neutral product brands in reel format where the trademark is not used on the product:

APMIL MG Bleached Bag Kraft, Australian Offset, Australian Offset 100% recycled, Data Right Plus, High Performance Kraft Liner, Inkjet Smooth, Jet Mail, Jet Ready, Postspeed, Postspeed recycled, Publishers Offset , Reflex Laser White, Sensi-Scanright.