



**An Australian Government Initiative**

## **NCOS CARBON NEUTRAL PROGRAM**

### **Australian Paper – Maryvale Mill**

(To be read in conjunction with the PDS from Australian Paper – Shoalhaven Mill)

## **PUBLIC DISCLOSURE SUMMARY**

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### **1. ORGANISATION AND PRODUCT INFORMATION**

Organisation Name: Australian Paper

Disclosure Period: From: 1 Jul 2010 to: 31 Dec 2011

Date of most recent verification: None (most recently verified under the previous GHF Program)

Carbon Neutral Disclosure Type:

- a. Organisation
- b. Product

Product Overview:

Product Name: Various Paper and Paperboard products.

Functional Unit: 1 tonne of paper as sold.

Brief Description: Paper products manufactured to be used for printing and office communications, as well as sack, bag and linerboard manufacture.

## 2. PRODUCT DESCRIPTION

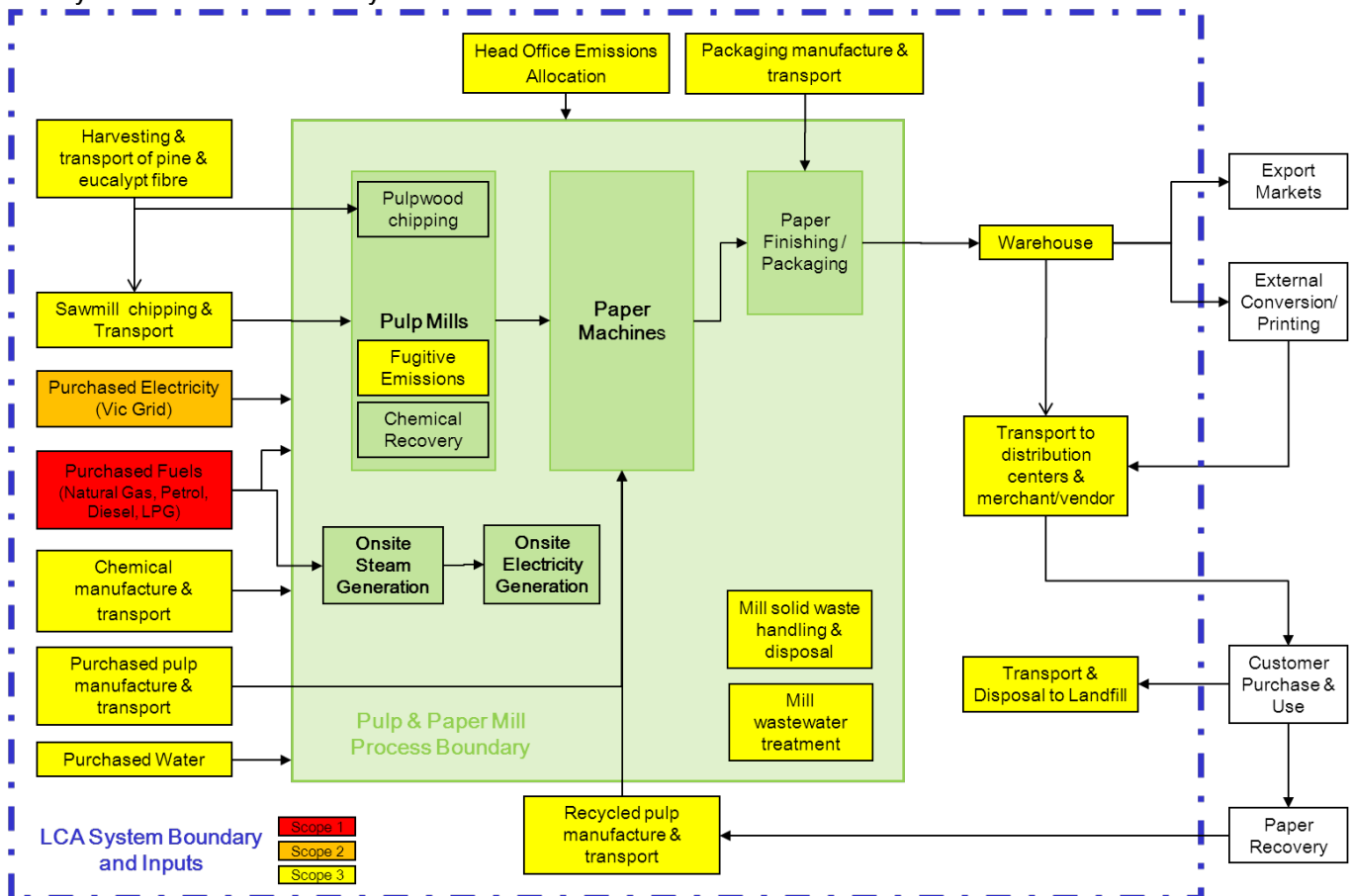
Calculation of individual paper grade footprints will allow Australian Paper to certify and sell selected grades as carbon neutral and offset one hundred percent of the calculated emissions using NCOS approved abatement.

Not all of the papers produced by Australian Paper are sold with Carbon Neutral status. Australian Paper will select papers to which Carbon Neutral certification status will be given. The brands or products may include those such as 'Reflex', owned by Australian Paper or associated companies, or those such as 'Envi', owned by customers of Australian Paper or associated companies for whom Australian Paper are the manufacturer of the finished product.

The primary products sold as certified Carbon Neutral during this disclosure period are detailed in section 4.

The life cycle assessment of the papers has considered the following elements:

Lifecycle Assessment Boundary Schematic



- Raw Material and energy inputs
  - Including harvest, collection, transport and processing of fibre; embodied emissions and transport of other additives, use of static fuels such as gas and grid electricity as well as transport fuels;
- Manufacturing
  - Including embodied emissions of consumables such as processing chemicals, lubricants, plant and equipment; emissions associated with the treatment of solid and liquid wastes.
- Finishing

- Including embodied emissions and transport of packaging, and internal transport of finished goods.
- Transport
  - Including transport and warehousing from the factory gate to the final point of sale.
- Disposal
  - Including transport from the consumer to point of disposal and additionally emissions associated with landfill treatment.

### 3. PURCHASE OF GREENPOWER™ OR NCOS CARBON NEUTRAL PRODUCTS AND/OR CANCELLATION OF GREENPOWER™ ELIGIBLE RENEWABLE ENERGY CERTIFICATES (RECS)

None

0 MWh

### 4. TOTAL CARBON FOOTPRINT

The greenhouse gases considered through inclusion of the appropriate emission factors in this lifecycle assessment included:

Carbon dioxide; Nitrous oxides; Perfluorocarbons; Methane; HFCs and Sulphur hexafluoride.

Carbon Footprint:

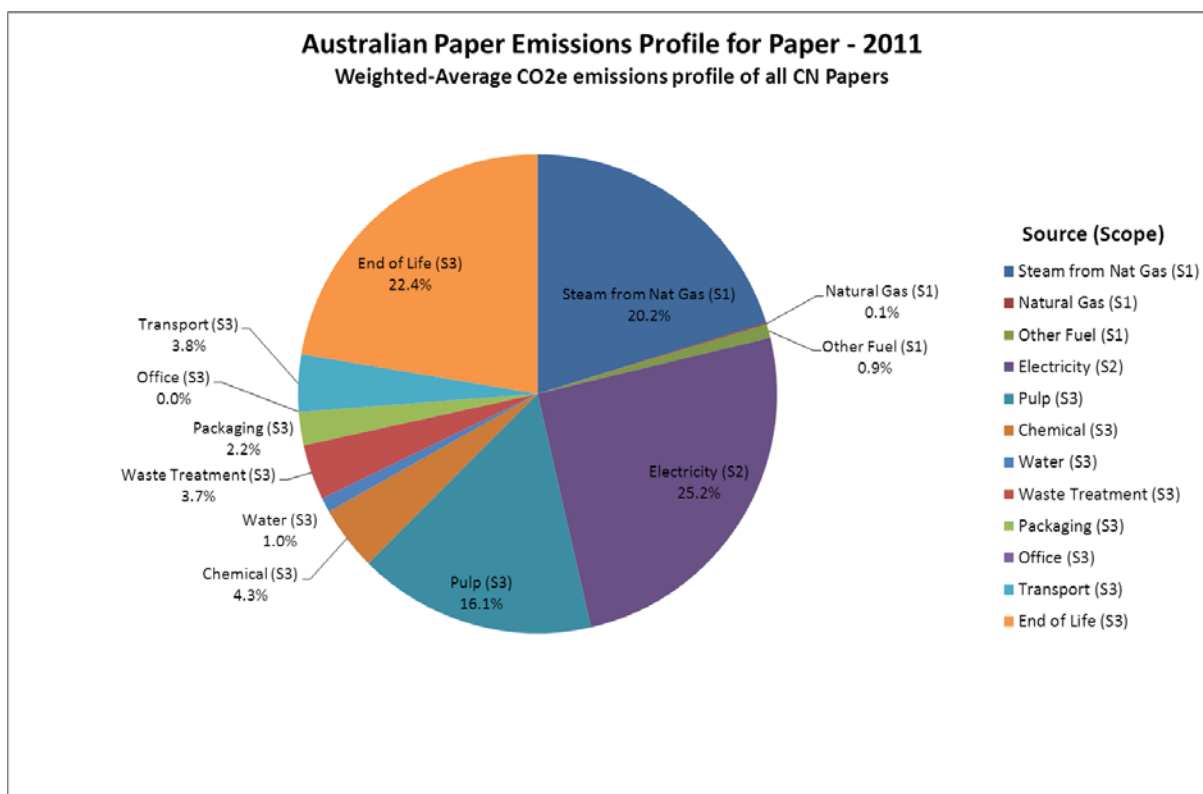
35839 Tonnes CO<sub>2</sub>-e

The uncertainty analysis as presented in the Australian Paper NGERs report for 2010/11 is 5.6% at a corporation level. This level of uncertainty is very good according to the GHG protocol rankings.

To align with Australian Paper's calendar-year financial reporting the current disclosure period has been divided into two product sales periods for the purpose of footprint analysis. These can be identified in the following Emissions Summary table as sales period 'P1' – 1 July 2010 to 30 June 2011, and sales period 'P2' – 1 July 2011 to December 2011.

Net Sales Tonnes and Emissions of CN Paper Products from Australian Paper - Maryvale					
Sales Period	Market	Product	Total CN Sales (tonnes)	Total Emissions (t CO <sub>2</sub> e)	EF (t CO <sub>2</sub> e / tonne paper)
P2	NZ	Envi Offset NZ - 70 gsm	109.578	284.9	2.60
P2	NZ	Postspeed Carbn Ntrl NZ - 80 gsm	1039.286	1973.5	1.90
P2	NZ	Reflex UW CN NZ - 90 gsm	2.694	5.5	2.04
P2	Aus	Envi Offset - 100 gsm	899.700	1942.1	2.16
P2	Aus	Envi 50/50 - 100 gsm	244.828	609.6	2.49
P2	Aus	Postspeed Carbn Ntrl - 100 gsm	24.720	46.4	1.88

P2	Aus	Stapes CN - 80 gsm	1739.052	3357.1	1.93
P2	Aus	New Grange Laser CN - 80 gsm	8.724	17.8	2.04
P2	Aus	Envi 50/50 - 80 gsm	178.381	434.2	2.43
P2	Aus	Postspeed Carbn Ntrl - 80 gsm	142.274	265.3	1.86
P2	Aus	Envi Laser M - 80 gsm	159.282	291.3	1.83
P2	Aus	Reflex UW CN - 80 gsm	2493.209	5029.3	2.02
P2	Aus	Envi 50/50 - 90 gsm	299.561	700.8	2.34
P2	Aus	Reflex Laser M CN - 90 gsm	525.038	992.7	1.89
P2	Aus	Reflex UW CN - 90 gsm	559.076	1118.8	2.00
P2	Aus	Inkjet Bright CN - 92 gsm	201.820	440.8	2.18
P2	Aus	Inkjet Bright CN Dev - 92 gsm	24.063	63.7	2.65
P2	Aus	Envi 50/50 (S) - 80 gsm	53.028	106.8	2.01
P1	NZ	Envi Offset NZ - 70 gsm	306.956	774.8	2.52
P1	NZ	Postspeed Carbn Ntrl NZ - 80 gsm	20.401	41.0	2.01
P1	NZ	Reflex UW CN NZ - 90 gsm	1.796	3.7	2.07
P1	Aus	Envi Offset - 100 gsm	12.890	26.9	2.08
P1	Aus	Envi 50/50 - 100 gsm	513.123	1203.5	2.35
P1	Aus	Postspeed Carbn Ntrl - 100 gsm	88.522	175.8	1.99
P1	Aus	Envi Laser M - 100 gsm	28.703	61.7	2.15
P1	Aus	Scholastic Carbon Neutral - 57 gsm	1.166	2.3	2.01
P1	Aus	Precision CN - 80 gsm	28.996	58.5	2.02
P1	Aus	Envi 50/50 - 80 gsm	372.757	926.0	2.48
P1	Aus	Envi 50/50 (S) - 80 gsm	0.800	1.6	2.01
P1	Aus	Postspeed Carbn Ntrl - 80 gsm	1025.830	2024.7	1.97
P1	Aus	Reflex Laser M CN - 80 gsm	353.868	694.4	1.96
P1	Aus	Reflex UW CN - 80 gsm	4171.696	8068.9	1.93
P1	Aus	Reflex Tints CN - 80 gsm	12.126	26.2	2.16
P1	Aus	CN Post 100 - 83 gsm	12.092	23.9	1.97
P1	Aus	Postspeed Carbn Ntrl - 85 gsm	52.935	105.7	2.00
P1	Aus	Envi Offset - 90 gsm	10.218	20.5	2.01
P1	Aus	Envi 50/50 - 90 gsm	442.191	988.9	2.24
P1	Aus	Reflex Laser M CN - 90 gsm	1003.664	2026.6	2.02
P1	Aus	Reflex UW CN - 90 gsm	444.279	902.8	2.03
			17609	35,839	



## 5. EMISSION REDUCTION MEASURES

Emission Management and Reduction Measures	Reduction in Reporting Period
Please refer to Australian Paper's Energy Efficiency Opportunities (EEO) Public Report, Table 2.2.  <b>NOTE: These reductions are measured in energy units of GJ as required by the EEO reporting requirements, and are not presented as GHG emissions reductions.</b>  These emissions reductions are based on assessment over the current EEO reporting period (12 months) and are reassessed annually against an incremental baseline for any one project.	29220 GJ
<b>Total Reduction</b>	<b>29220 GJ</b>

1 July 2011 to 30 June 2011 (in this reporting period) is the base period for the comparison of emissions intensity for individual products.

## 6. OFFSET PURCHASE / CANCELLATION

Offset Type <i>Refer NCOS 3.1</i>	Registry	Serial Numbers	Offset Quantity (Tonnes CO <sub>2</sub> -e)
VCU	NYSE Blue VCS*	672-30686717-30695475-VCU-002-APX-	8759

		KP-13-307-01012007-17082007-0	
VCU	Markit Environmental	First Climate Certificate No. 70426	3285
VCU	NYSE Blue VCS*	1059-47396135-47398324-VCU-001-APX-IN-1-502-28032006-31032009-0	2190
VCU	NYSE Blue VCS*	1506-63859620-63862904-VCU-009-APX-IN-1-630-01012006-31122006-0	3285
VCU	NYSE Blue VCS*	1274-55772645-55777024-VCU-009-APX-IN-1-265-01012007-31122007-0	4380
VCU	NYSE Blue VCS*	672-30705697-30709344-VCU-002-APX-KP-13-307-01012007-17082007-0	3648
VCU	NYSE Blue VCS*	672-30899345-30900035-VCU-002-APX-KP-13-307-01012007-17082007-0	691
VCU	NYSE Blue VCS*	673-30905848-30905965-VCU-002-APX-KP-13-307-0112006-31122006-0	118
VCU	Markit Environmental	First Climate Certificate No. 70619	1368
VCU	NYSE Blue VCS*	1059-47400249-47401160-VCU-001-APX-IN-1-502-28032006-31032009-0	912
VCU	NYSE Blue VCS*	1506-63865791-63867158-VCU-009-APX-IN-1-630-01012006-31122006-0	1368
VCU	NYSE Blue VCS*	1273-55770840-55772644-VCU-009-APX-IN-1-265-01042006-31122006-0	1805
VCU	NYSE Blue VCS*	1274-55777042-55781080-VCU-009-APX-IN-1-265-01012007-31122007-0	4039
VCU	NYSE Blue VCS*	1274-55777025-55777041-VCU-009-APX-IN-1-265-01012007-31122007-0	17
<b>TOTAL</b>			<b>35865</b>

\* Registry name is current at the time of transaction. The NYSE Blue VCS Registry has now been replaced with the APX VCS Registry.

Australian Paper makes forward estimates of offset requirements for the current financial year, based on combining the preceding period's emissions intensity values and a forecast for paper sales. We then procure offsets that comply with a standard recognised by the NCOS. On completion of our LCA for the year we reconcile and finalise procurement of offsets then cancel or retire the total number of offsets required.