PUBLIC DISCLOSURE STATEMENT

ANT PACKAGING

ORGANISATION CERTIFICATION
FY2023–24

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Ant Packaging Pty Ltd
REPORTING PERIOD	1 July 2023 – 30 June 2024 Arrears report
DECLARATION	*To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.* John Clark John Clark Managing Director 12/11/24

Australian Government
Department of Climate Change, Energy, the Environment and Water

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	730 tCO_2-e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Cool Planet
TECHNICAL ASSESSMENT	23/12/2022 Cool Planet Next technical assessment due: FY 24/25

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2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the business operations of Ant Packaging Pty Ltd (Ant Packaging), ABN 86 081 095 785, including the subsidiaries listed in the table below.

The associated embodied emissions of the products produced by Ant Packaging are not included in this scope of certification. The activities included in this certification include warehousing and production operations, and head office facilities.

This Public Disclosure Statement includes information for FY2023-24 reporting period.

Organisation description

Ant Packaging Pty Ltd (ABN: 86 081 095 785) (trading as Ant Packaging) manufactures plastic packaging options for small to medium sized businesses. Ant can create products from a wide range of materials including 100% recycled materials such as rPET, rHDPE and rLDPE.

Ant Packaging is based in Bangalow (Northern NSW), two hours from Brisbane and has been on the forefront of innovative packaging solutions for over twenty years enjoying long standing customer relationships throughout Australia, New Zealand and the rest of the world due to their commitment to premium quality and personalised customer service.

Ant Packaging has used an operational control approach to determine the emissions boundary for Climate Active reporting.

Ant Packaging has two locations, the main factory and office in Bangalow and Warehouse in West Ballina.

- 3/6 Dudgeons Lane, Bangalow NSW 2479
- 66 Teven Road, West Ballina, NSW, 2478

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
N/A		

3. EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are **optionally included**.

Non-quantified emissions have been assessed as relevant and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Excluded emissions are those that have been assessed as not relevant to an organisation's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Inside emissions boundary

Quantified

- Stationary energy and fuels
- Electricity
- Accommodation
- Carbon neutral products and services
- Cleaning and chemicals
- Food
- ICT services and equipment
- Professional services
- Land and sea transport
- Office equipment and supplies
- Postage, courier and freight
- Refrigerants
- Transport (air)
- Transport (land and sea)
- Waste
- Water

Non-quantified

N/A

Outside emission boundary

Excluded

N/A

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Climate Active certification enables Ant Packaging to demonstrate industry leadership and a demonstrable commitment to sustainability principles.

Ant Packaging has a long history of commitment to sustainability through its focus on reducing waste, using recyclable content and innovating in closed loop recycling systems. To demonstrate the need to act on climate change, Ant Packaging has committed to becoming Climate Active certified and to accelerate the transition to a circular economy.

As part of a carbon reduction strategy, Ant Packaging commits to:

• Reducing total carbon emissions by at least 30% per unit of production by 2030 based on a 21/22 base year (completed).

• Installing a 300 KW Solar system within 5 years at new premises in Ballina industrial estate. (Moving to new site currently on hold).

• 60% reduction in landfill waste within 5 years (completed).

• 20% reduction in freight emissions within 3 years (completed).

Ant Packaging's unit of production carbon intensity figure in its base year of 21/22 was 4.08 (with 308 tonnes of production output)

Last year's FY22/23 carbon intensity figure was 3.99. (with 356 tonnes of production output).

This year with 295.074 tonnes of output, the intensity figure is 2.47, this is a 39% reduction from our base year and 38% reduction from last year.

New data collection systems allowed for more accurate reporting on freight transport (moving form $ spent to t.km) resulting in a 90% drop in freight related emissions.

Emissions reduction actions

Our factory has been 100% carbon neutral for the last 14[1] years with Cool Planet. This has been achieved by investing in solar power, energy efficiency and offsetting remaining emissions by purchasing verified carbon offsets

There has been a further 34% decrease in waste to landfill emissions, this is due primarily to the purchase of a machine to specifically reuse plastic offcuts that were previously sent to landfill.

[1] Please note that this was incorrectly reported in FY2022-23 as 8 years when it should have been 13 years.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e (without uplift)	**Total tCO_2-e** (with uplift)
Base year/Year 1:	2021–22	1258	N/A
Year 2:	2022–23	1422	N/A
Year 3:	2023–24	730	N/A

Significant changes in emissions

Significant changes in emissions			
Emission source	**Previous year emissions** (t CO_2-e)	**Current year emissions** (t CO_2-e)	**Reason for change**
Freight Emissions	709.312	60.420	Instead of using a dollar figure, this year we used a t.km figure which resulted in a significant reduction in emissions.

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used
N/A	

Emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a location-based approach.

Emission category	Scope 1 emissions (tCO_2-e)	Scope 2 emissions (tCO_2-e)	Scope 3 emissions (tCO_2-e)	Total emissions (t CO_2-e)
Accommodation and facilities	0.00	0.00	0.61	0.61
Cleaning and chemicals	0.00	0.00	1.38	1.38
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	0.00	0.00
Electricity	0.00	532.74	39.17	571.91
Food	0.00	0.00	0.00	0.00
Horticulture and agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	8.71	8.71
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment and supplies	0.00	0.00	3.45	3.45
Postage, courier and freight	0.00	0.00	61.36	61.36
Products	0.00	0.00	0.00	0.00
Professional services	0.00	0.00	11.23	11.23
Refrigerants	3.39	0.00	0.00	3.39
Roads and landscape	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (air)	0.00	0.00	0.00	0.00
Transport (land and sea)	0.00	0.00	54.73	54.73
Waste	0.00	0.00	12.30	12.30
Water	0.00	0.00	0.04	0.04
Working from home	0.00	0.00	0.00	0.00
Grand Total	**3.39**	**532.74**	**192.98**	**729.11**

Uplift factors

N/A.

6. CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Verified Carbon Units (VCUs)	730	100%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Bucakkisla HPP Run-Of-River Hydro Project	VCU	Verra	11/11/2024	13051-469068334-469069063-VCS-VCU-279-VER-TR-1-1127-01012019-31122019-0	2019	730	0	0	730	100.00%

Co-benefits

The specific goals of the Bucakkisla project are to: reduce greenhouse gas emissions in Turkey compared to the business-as-usual scenario; help to stimulate the growth of the small scale hydro power industry in Turkey; create local employment during the construction and the operation phase of the small hydro project; reduce other pollutants resulting from power generation industry in Turkey, compared to a business-as-usual scenario; help to reduce Turkeys increasing energy deficit; and differentiate the electricity generation mix and reduce import dependency.

Furthermore, the project will help Turkey to stimulate and commercialize the use of grid connected renewable energy technologies and markets. Furthermore, the project will demonstrate the viability of grid connected run-of-river projects which can support improved energy security, improved air quality, alternative sustainable energy futures, improved local livelihoods and sustainable renewable energy industry development.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

N/A.

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

Location-based method:

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method:

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

For this certification, electricity emissions have been set by using the **location-based approach**

Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions (kg CO_2-e)	Renewable percentage of total
Behind the meter consumption of electricity generated	11,555	0	1%
Total non-grid electricity	**11,555**	**0**	**1%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	146,661	0	18%
Residual Electricity	636,783	579,472	0%
Total renewable electricity (grid + non grid)	**158,216**	**0**	**20%**
Total grid electricity	**783,444**	**579,472**	**18%**
Total electricity (grid + non grid)	**794,999**	**579,472**	**20%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**636,783**	**579,472**	
Scope 2	566,807	515,794	
Scope 3 (includes T&D emissions from consumption under operational control)	69,976	63,678	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**19.90%**
Mandatory	**18.45%**
Voluntary	**0.00%**
Behind the meter	**1.45%**
Residual scope 2 emissions (t CO_2-e)	**515.79**
Residual scope 3 emissions (t CO_2-e)	**63.68**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**515.79**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**63.68**
Total emissions liability (t CO_2-e)	**579.47**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	**100%**	**(kWh)**	**Scope 2 Emissions ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
NSW	783,444	783,444	532,742	39,172	0	0
Grid electricity (scope 2 and 3)	**783,444**	**783,444**	**532,742**	**39,172**	**0**	**0**
NSW	11,555	11,555	0	0		
Non-grid electricity (behind the meter)	**11,555**	**11,555**	**0**	**0**		
Total electricity (grid + non grid)	**794,999**					

Residual scope 2 emissions (t CO_2-e)	**532.74**
Residual scope 3 emissions (t CO_2-e)	**39.17**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**532.74**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**39.17**
Total emissions liability	**571.91**

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO_2-e)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market-based summary table.

Climate Active carbon neutral electricity products

Climate Active carbon neutral electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market-based summary table.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable, but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant non-quantified emission sources	Justification reason
N/A	

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions.

2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.

3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.

4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.

5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A						**Size:** **Influence:** **Risk:** **Stakeholders:** **Outsourcing:**

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