



# **PUBLIC DISCLOSURE STATEMENT**

AC3

SERVICE CERTIFICATION  
FY2022-23 (PROJECTED)

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Australian Centre for Advanced Computing and Communication Pty Ltd (“AC3”)
REPORTING PERIOD	FY 1 July 2022 – 30 June 2023 Projected report
DECLARATION	<p><i>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.</i></p> <hr/> <p>Jessica Handley  Partner Alliances Coordinator  22 June 2023</p>



**Australian Government**  
**Department of Industry, Science,  
Energy and Resources**

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# 1.CERTIFICATION SUMMARY

<b>TOTAL EMISSIONS OFFSET</b>	1021 tCO <sub>2</sub> -e
<b>THE OFFSETS BOUGHT</b>	100% CERs
<b>RENEWABLE ELECTRICITY</b>	18.59%
<b>TECHNICAL ASSESSMENT</b>	21/12/2022 Emma Baird Pangolin Associates Next technical assessment due: 21/12/2025
<b>THIRD PARTY VALIDATION</b>	Type 3 12/12/2022 Paul-Antoine Bontinck Organisation: Life Cycles

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

AC3 is a privately owned Australian ICT Managed Services Provider (MSP). Founded in 1999, our purpose is to make technology real and with over 14,000 virtual machines under management, we do this for more than half of the NSW State Government agencies and over 700 commercial customers. With over 300 full time employees and over 80 contractors, AC3 has the skills and scale to help our customers realise their business objectives.

AC3 has three offices, Auckland, Sydney and Melbourne, all three are included in this certification

AC3 offers broadly 4 services

- Cloud Services
- Professional Services
- Procurement
- Talent Management Services

This Service certification will cover only Cloud Based Services. This certification is cradle-to-grave and is opt-in.

*“AC3 recognises the need for the technology services sector to offer carbon neutral services and work towards decarbonisation”*

### Service description

Cloud Services is split into 2 parts:

**Public** – Use of AWS and the Microsoft’s Azure to house data from clients, essentially purchasing a large amount of storage and hosting from these two providers and then on-selling it to clients who are looking for a standard ICT approach to their cloud operations.

**Private** - AC3 purchases their own racks and data in 3 data centres which are wholly owned by the data centre company “Equinix”. Two of the data centres are located in Sydney (Mascot and Alexandria) while the other is located in Port Melbourne. AC3 uses the space they rent out in the data centres from Equinix to provide a more specialised service for clients, managing their ICT needs on the cloud including security, issue management etc.

Hewlett and Packard (HP) are partnering with AC3 to secure the quantification of the emissions of their Cloud based services. The functional unit for this Service will be kgCO<sub>2</sub>-e / \$ spend on Cloud services  
The cloud services will be an opt in purchase for existing or potential clients of AC3.

## 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 'attributable processes' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

**Non-quantified** emissions have been assessed as attributable 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

**Non-attributable** emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

**Inside emissions boundary**

**Quantified**

*Accommodation*

*Postage and couriers*

*Food*

*ICT Services and equipment*

*Cleaning and Chemicals*

*Climate Active Carbon Neutral*

*Products and Services*

*Transport (Land and Sea)*

*Transport (Air)*

*Electricity*

*Office Equipment and Supplies*

*Printing and Stationery*

*Professional Services*

*Telecommunications*

*Waste*

*Water*

*Working from home*

**Non-quantified**

*N/A*

**Optionally included**

*N/A*

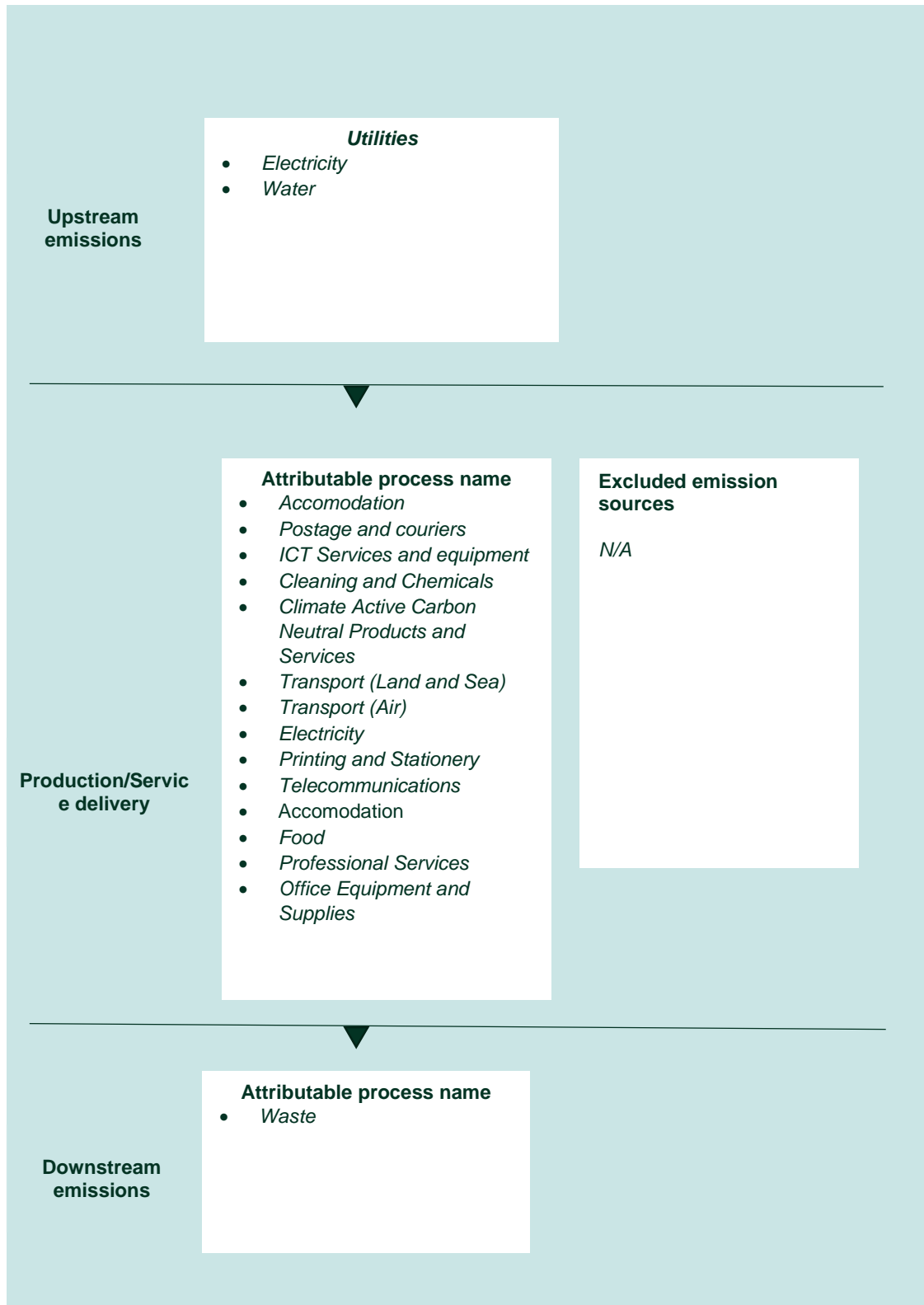
**Outside emission boundary**

**Non-attributable**

*Paper*

*Refrigerants*

## Service process diagram



## **Data management plan for non-quantified sources**

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



# 4.EMISSIONS REDUCTIONS

## Emissions reduction strategy

AC3 plans to achieve a 10% reduction over the next 2 years, before accounting for offsets. AC3's longer term plan is the reduction of overall emissions by 30% over 10 years.

Specific emission reduction strategies for Items are below

- **Upgrade of private cloud infrastructure.** Replacing ageing IT infrastructure (and recycling that equipment) with more powerful and energy efficient IT infrastructure.
- **Consolidation of private cloud infrastructure.** AC3 can reduce its footprint in datacentres and improve the energy efficiency of its private cloud.
- **Partner with hyperscale providers to reduce downstream .** Work with hyperscale partners to design and implement cloud solutions which meet customer requirements but with a lower emissions intensity.
- **Travel emission.** Travel emissions at 'COVID' levels will be maintained and reduced further by 15% by 2024.
- **Zero e-waste to landfill.** 100% of AC3's e-waste is to be recycled through an e-waste program (e.g. HP, local councils etc.).

Summary of the targets are below.

Emission source	Specific Target	FY24 Target (t CO <sub>2</sub> -e)
<b>Private cloud infrastructure</b>	15% reduction in intensity by FY24  30% reduction over 10 years	FY24: 1,691.67 t  FY32: 1,393.14 t
<b>Hyperscale cloud</b>	10% reduction in intensity by FY24  50% reduction over 10 years	FY24: 715.37 t  FY32: 397.43 t
<b>Travel emissions</b>	10% reduction in travel emissions by FY24  30% reduction over 10 years	FY24: 5.49 t  FY32: 4.27 t
<b>Total Emissions</b>	<b>30% reduction over 10 years</b>	<b>FY32: 2,165.58 t</b>

## 5. EMISSIONS SUMMARY

### Use of Climate Active carbon neutral products and services

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#) and these services are carbon neutral.

The Sydney Office located at 477 Pitt street, Haymarket, is a Climate Active Carbon Neutral building.

### Service emissions summary

This service certification is an opt-in approach. The service was expected to be active for 8 months of the reporting period and taken up by 50% of clients.

Emissions Source	tCO <sub>2</sub> -e
Accommodation and facilities	0.78
Cleaning and Chemicals	3.37
Climate Active Carbon Neutral Products and Services	0.00
Electricity	127.83
Food	1.32
ICT services and equipment	2786.58
Office equipment & supplies	0.10
Postage, courier and freight	2.01
Professional Services	23.73
Transport (Air)	6.10
Transport (Land and Sea)	35.59
Waste	2.21
Water	1.13
Working from home	72.26
<b>TOTAL</b>	<b>3063.00</b>

<b>Emissions intensity per functional unit ( kgCO<sub>2</sub>-e / \$ spend on Cloud services )</b>	<b>0.034</b>
<b>Number of functional units to be offset (at 31 October 2022)</b>	<b>\$30,296,550.53</b>
<b>Total emissions to be offset (tCO<sub>2</sub>-e) 50% client uptake, 8 month period.</b>	<b>1021.00</b>

## 6. CARBON OFFSETS

### Offsets retirement approach

Forward purchasing	
1. Total emissions footprint to offset for this report	1021
2. Total eligible offsets purchased and retired for this report and future reports	1563
3. Total eligible offsets retired and used for this report	1021
4. Total eligible offsets forward purchased and banked to use toward next year's report	542

### Co-benefits

The objective of project is development, design, engineering, procurement, finance, construction, operation and maintenance of Wind World Wind Farm (Krishna) Ltd 15 MW, Wind World Wind Farm (Karnataka) Ltd 3.2 MW and other wind power projects of 55.40 MW capacity ("Project") in the Indian state of Karnataka to provide reliable, renewable power to the Karnataka state electricity grid which is part of the Southern regional electricity grid. The Project will lead to reduced greenhouse gas emissions because it displaces electricity from fossil fuel based electricity generation plants.

## Eligible offsets retirement summary

Offsets cancelled for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity (tCO <sub>2</sub> -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Enercon Wind Farms in Karnataka Bundled Project - 73.60 MW	CERs	ANREU	21 June 2022	200,906,782-200,908,031	2016		1250	0	229	1021	100%
Turra Forest Regeneration Project	ACCUs	ANREU	21 June 2022	3,809,698,004-3,809,698,316	2020-21		313	0	313	0	0%
<b>Total offsets retired this report and used in this report</b>										1021	
<b>Total offsets retired this report and banked for future reports</b>									542		
Type of offset units		Quantity (used for this reporting period claim)				Percentage of total					
Certified Emission Reductions (CERs)		1021				100					
Australian Carbon Credit Units (ACCUs)		0				0					

- ANREU Home
- Account Holders
- Accounts
- Unit Position Summary
- Projects
- Transaction Log
- CER Notifications
- Public Reports
- My Profile

## Transaction Details

Transaction details appear below.

<b>Transaction ID</b>	AU22700
<b>Current Status</b>	Completed (4)
<b>Status Date</b>	21/06/2022 16:20:11 (AEST) 21/06/2022 06:20:11 (GMT)
<b>Transaction Type</b>	Cancellation (4)
<b>Transaction Initiator</b>	Grant, Andrew William Thorold
<b>Transaction Approver</b>	Grant, Andrew William Thorold
<b>Comment</b>	Retired on behalf of AC3 to meet its carbon neutral service offering claim against the Climate Active Carbon Neutral Standard for FY23-24.

### Transferring Account

<b>Account Number</b>	AU-2734
<b>Account Name</b>	Tasman Environmental Markets Pty Ltd
<b>Account Holder</b>	Tasman Environmental Markets Pty Ltd

### Acquiring Account

<b>Account Number</b>	AU-2764
<b>Account Name</b>	Voluntary Cancellation – CP2
<b>Account Holder</b>	Commonwealth of Australia

### Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERE Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
IN	CER	Kyoto Voluntary Cancellation	2	2					IN-1286			200,906,782 - 200,908,031	1,250

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## Transaction Details

Transaction details appear below.

<b>Transaction ID</b>	AU22703
<b>Current Status</b>	Completed (4)
<b>Status Date</b>	21/06/2022 16:32:32 (AEST) 21/06/2022 06:32:32 (GMT)
<b>Transaction Type</b>	Cancellation (4)
<b>Transaction Initiator</b>	Grant, Andrew William Thorold
<b>Transaction Approver</b>	Grant, Andrew William Thorold
<b>Comment</b>	Retired on behalf of AC3 to meet its carbon neutral service offering claim against the Climate Active Carbon Neutral Standard for FY23-24.

### Transferring Account

<b>Account Number</b>	AU-2734
<b>Account Name</b>	Tasman Environmental Markets Pty Ltd
<b>Account Holder</b>	Tasman Environmental Markets Pty Ltd

### Acquiring Account

<b>Account Number</b>	AU-1068
<b>Account Name</b>	Australia Voluntary Cancellation Account
<b>Account Holder</b>	Commonwealth of Australia

### Transaction Blocks

Partv	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			<a href="#">ERF103081</a>					2020-21		3,809,698,004 - 3,809,698,316	313

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) Summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

AC3 will work with their equipment leasing providers and data centre service providers over the next 3 years to capture accurate data on the amount emissions associated with the leasing of computer equipment used in Data warehouses.

AC3 will request the data service provider AWS to include Scope 3 in their Carbon reporting assessments to ensure full scope emissions are captured.



# APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach

## 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.

### Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO2e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	36,857	0	19%
Residual Electricity	161,406	160,593	0%
<b>Total grid electricity</b>	<b>198,263</b>	<b>160,593</b>	<b>19%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>198,263</b>	<b>160,593</b>	<b>19%</b>
Electricity renewables	36,857	0	
Residual Electricity	161,406	160,593	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emissions (kgCO2e)		160,593	
<b>Total renewables (grid and non-grid)</b>	<b>18.59%</b>		
<b>Mandatory</b>	<b>18.59%</b>		
<b>Voluntary</b>	<b>0.00%</b>		
<b>Behind the meter</b>	<b>0.00%</b>		
<b>Residual Electricity Emission Footprint (TCO2e)</b>	<b>161</b>		

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

## Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	92,548	72,188	6,478
SA	0	0	0
Vic	58,841	53,545	5,884
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>151,389</b>	<b>125,733</b>	<b>12,362</b>
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>151,389</b>	<b>125,733</b>	<b>12,362</b>

<b>Emission Footprint (TCO2e)</b>	<b>138</b>
Scope 2 Emissions (TCO2e)	126
Scope 3 Emissions (TCO2e)	12

## Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
ISPT	80968.54	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Excluded emission sources

N/A

## APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

Relevance test					
Non-attributable emission	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
Paper	No	No	No	Yes	No
Refrigerants	No	Yes	No	No	No



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