PUBLIC DISCLOSURE STATEMENT

AUSTRALIAN CENTRE FOR ADVANCED COMPUTING AND COMMUNICATIONS PTY LTD (AC3)

SERVICE CERTIFICATION

FY2022–23 (TRUE UP)

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 True up
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.* *Stephanie Challinor* Stephanie Challinor GM of Customer Experience & Alliances 29/09/25

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

Version: August 2023

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	0 tCO2-e
THE OFFSETS USED	0
RENEWABLE ELECTRICITY	18.59%
CARBON ACCOUNT	Prepared by: Pangolin Associates Pty Ltd
TECHNICAL ASSESSMENT	21/12/2022 Emma Baird Pangolin Associates Next technical assessment due: FY26
THIRD PARTY VALIDATION	Type 3 12/12/2022 Paul-Antoine Bontinck Organisation: Life Cycles

Contents

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 crade-to-grave.

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 $ spend on Cloud services/ tCO2-e. The cloud services will be an opt in purchase for exisiting 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

Water

Waste

Working from home

Non-quantified

N/A

Optionally included

N/A

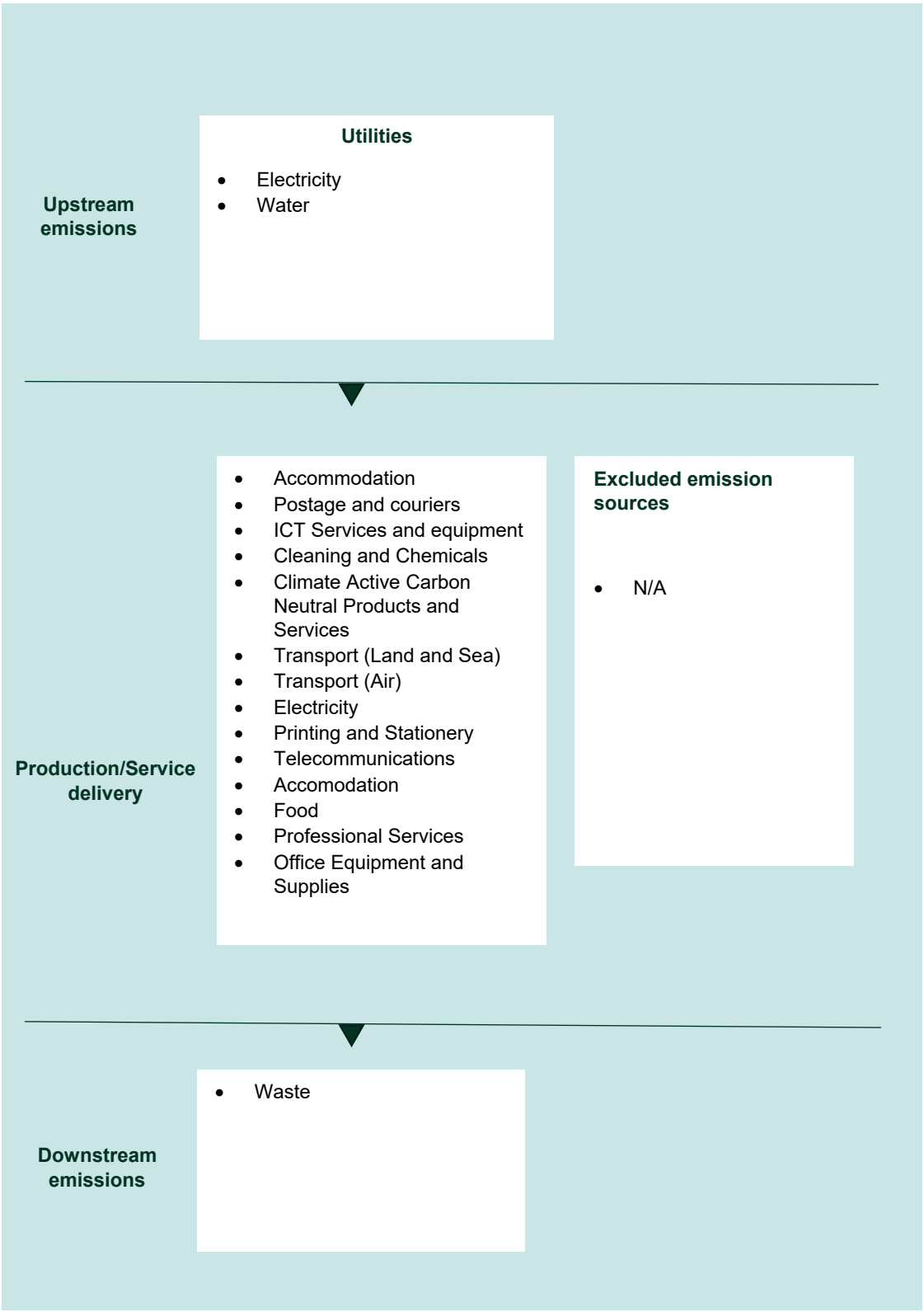
Outside emission boundary

Non-attributable

Paper

Refrigerants

Product/service process diagram



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. We have an overarching emission reduction goal that is compared to our base year of FY2022: our company commits to reduce scope 1, 2 and 3 emissions by 50% by 2035 from a 2022 base year. 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-wste 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_2-e)
Private cloud infrastructure	15% reduction in intensity by FY24 30% reduction over 10 years	FY24: 1,691.67 t FY32: 1,393.14 t
Hyperscale cloud	10% reduction in intensity by FY24 50% reduction over 10 years	FY24: 715.37 t FY32: 397.43 t
Travel emissions	10% reduction in travel emissions by FY24 30% reduction over 10 years	FY24: 5.49 t FY32: 4.27 t
Total Emissions	**30% reduction over 10 years**	**FY32: 2,165.58 t**

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, where the base building has been offset under ISPT's Climate Active Carbon Neutral certification.

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. The actual emissions for the reporting period are 0 as there was no uptake from clients during FY2022-23.

Emissions Source	Projected (tCO_2-e) and Actual
Accommodation and facilities	0.78
Cleaning and Chemicals	3.37
Climate Active Carbon Neutral Products and Services	0.00
Electricity (Australia)	122.62
Electricity (NZ)	5.20
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
TOTAL	**3063.00**

	Projected	Actual
Emissions intensity per functional unit ($ spend on Cloud services/ tCO_2-e)	$29,673.41	$0
Emissions intensity per functional unit ($kgCO_2$-e/ $ spend on Cloud services)	0.034	0.101
Number of functional units to be offset (at 31 October 2022)	**$30,296,550.53**	**$0**
Total emissions to be offset (tCO_2-e)	**1021.00** (50% client uptake, 8 month period)	**0**

5. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 0 t CO_2-e. The total number of eligible offsets used in this report is 0. Of the total eligible offsets used, 1,563 were previously banked and 0 were newly purchased and retired. 1,563 are remaining and have been banked for future use.

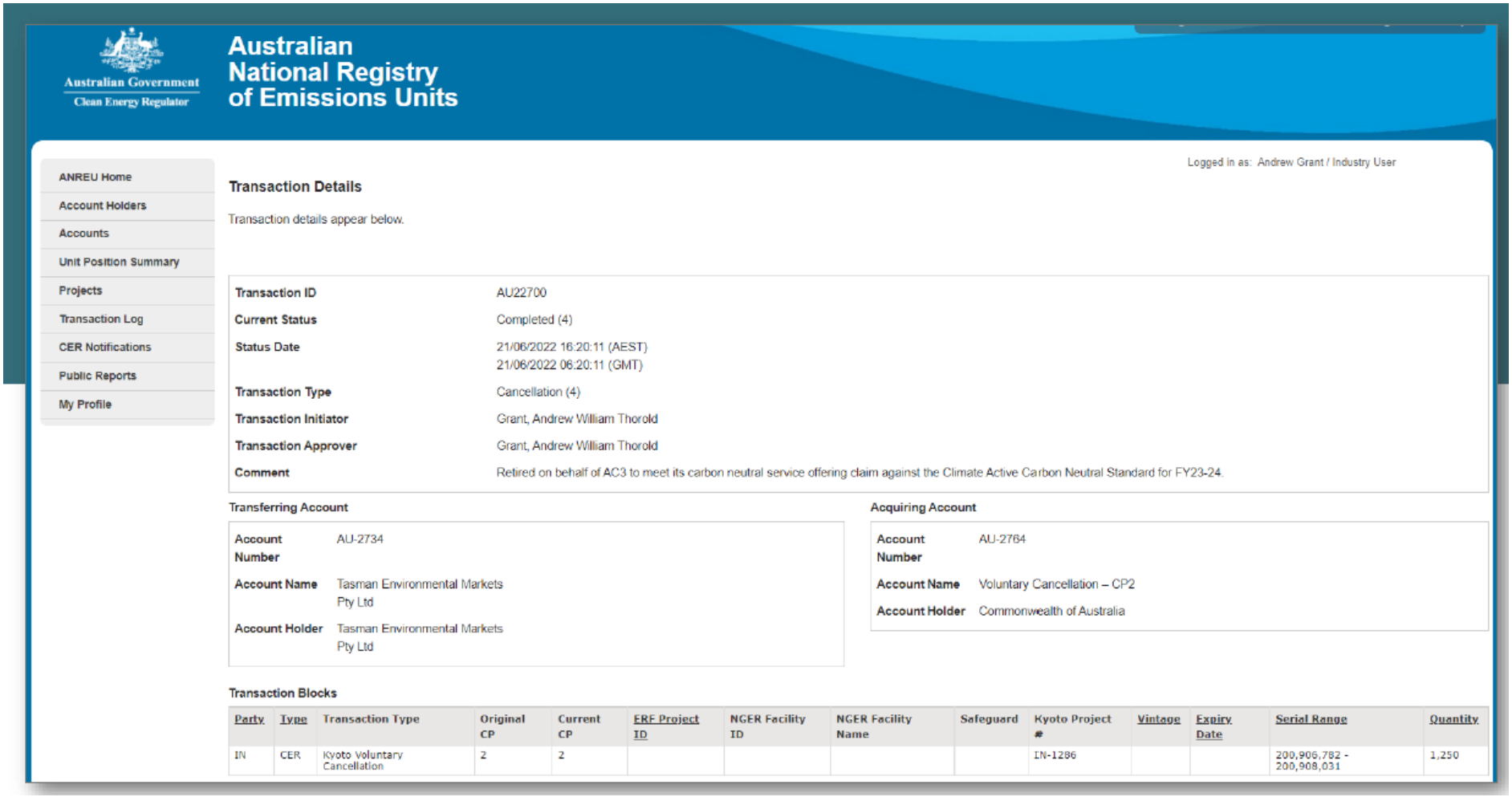
Co-benefits

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_2-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	CP2		1250	0	1250	0	0%
Turra Forest Regeneration Project	CERs	ANREU	21 June 2022	3,809,698,004-3,809,698,316 CP2	2020-21		313	0	313	0	0%
									Total offsets retired this report and used in this report	0	
									Total offsets retired this report and banked for future reports	1563	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emission Reductions (CERs)	0	0%
Australian Carbon Credit Units (ACCUs)	0	0%



Australian Government
Clean Energy Regulator

Australian National Registry of Emissions Units

Logged in as: Andrew Grant / Industry User

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Transaction Details

Transaction details appear below.

Transaction ID	AU22700
Current Status	Completed (4)
Status Date	21/06/2022 16:20:11 (AEST) 21/06/2022 06:20:11 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Grant, Andrew William Thorold
Transaction Approver	Grant, Andrew William Thorold
Comment	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

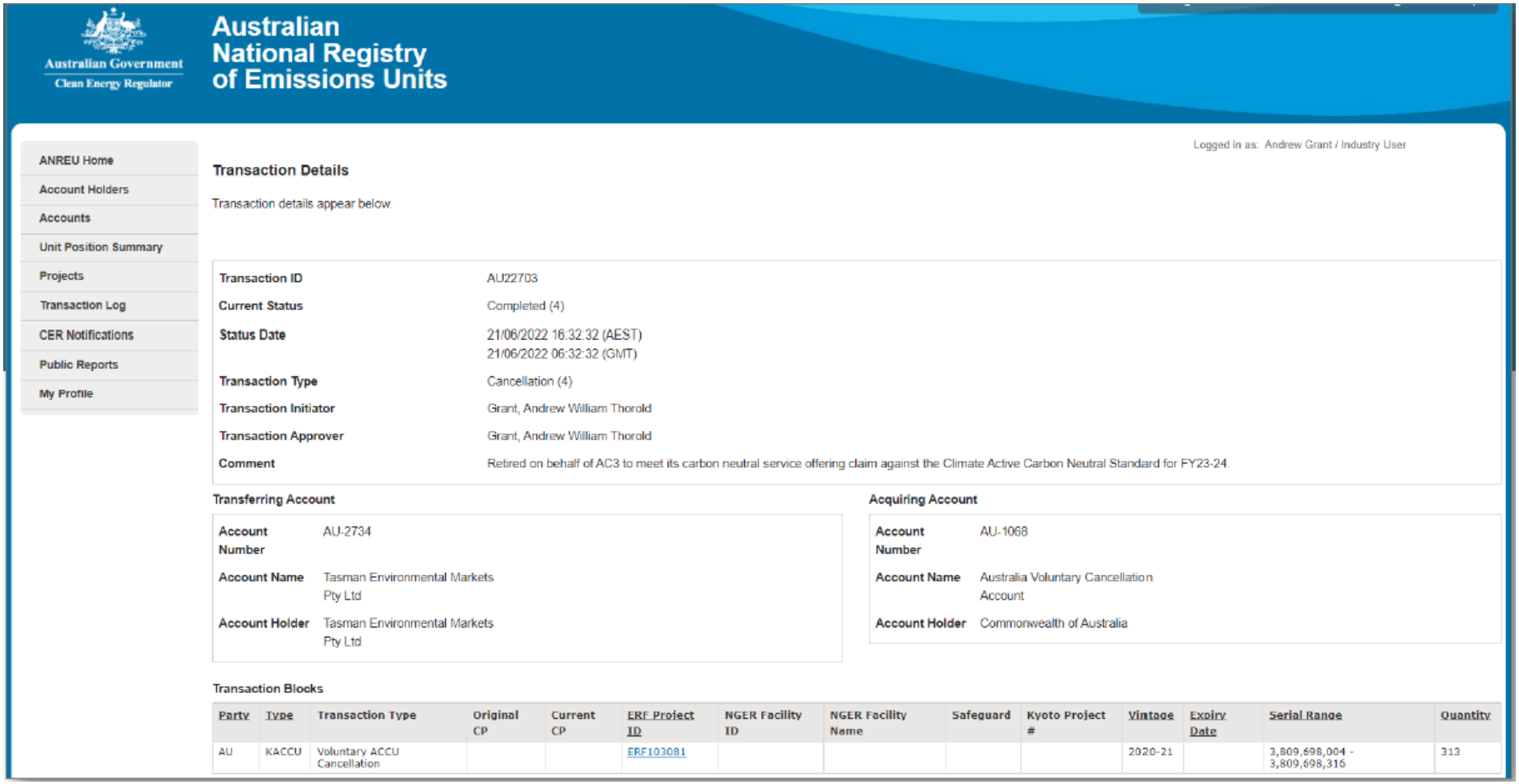
Account Number	AU-2734
Account Name	Tasman Environmental Markets Pty Ltd
Account Holder	Tasman Environmental Markets Pty Ltd

Acquiring Account

Account Number	AU-2764
Account Name	Voluntary Cancellation – CP2
Account Holder	Commonwealth of Australia

Transaction Blocks

Party	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
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.

Transaction ID	AU22703
Current Status	Completed (4)
Status Date	21/06/2022 16:32:32 (AEST) 21/06/2022 06:32:32 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Grant, Andrew William Thorold
Transaction Approver	Grant, Andrew William Thorold
Comment	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

Account Number	AU-2734
Account Name	Tasman Environmental Markets Pty Ltd
Account Holder	Tasman Environmental Markets Pty Ltd

Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

Transaction Blocks

Party	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			ERF103081					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 assesments to ensure full scope emissions are captured.

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 **market-based** approach

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%
Total non-grid electricity	**0**	**0**	**0%**
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)	28,143	0	19%
Residual Electricity	123,246	122,625	0%
Total grid electricity	**151,389**	**122,625**	**19%**
Total Electricity Consumed (grid + non grid)	**151,389**	**122,625**	**19%**
Electricity renewables	28,143	0	
Residual Electricity	123,246	122,625	
Exported on-site generated electricity	**0**	**0**	
Emissions (kgCO2e)		122,625	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual Electricity Emission Footprint (TCO2e)	**123**
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
Grid electricity (scope 2 and 3)	**151,389**	**125,733**	**12,362**
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
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**151,389**	**125,733**	**12,362**

Emission Footprint (TCO2e)	**138**
Scope 2 Emissions (TCO2e)	126
Scope 3 Emissions (TCO2e)	12

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO_2-e)
*ISPT – 477 Pitt Street**	**80968.54**	**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.		

*The above electricity at 477 Pitt Street is included under ISPT's Organisation certification, who have certified their corporate and property operations.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as attributable, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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.

N/A

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected **(no actual data).**
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**).

N/A

Data management plan for non-quantified 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.

1. **Size** The emissions from a particular source are likely to be large relative to other attributable emissions.

2. **Influence** The responsible entity could influence emissions reduction from a particular source.

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

4. **Stakeholders** The emissions from a particular source are deemed relevant by key stakeholders.

5. **Outsourcing** The emissions are from outsourced activities that were previously undertaken by the responsible entity or from outsourced activities that are typically undertaken within the boundary for comparable products or services.

Non-attributable emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Paper	N	N	N	Y	N	Size: The emissions source is likely to be small relative to the organisations electricity, stationary energy and fuel emissions. Influence: AC3 do not have the potential to influence the reduction of emissions from this source. Risk: The emissions source does not contribute to the organisations greenhouse gas risk exposure. Stakeholders: Key stakeholders are likely to deem the emissions source relevant. Outsourcing: The emissions are not from outsourced activities previously undertaken within the organisations boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.
Refrigerants	N	Y	N	N	N	Size: The emissions source is likely to be small relative to the organisations electricity, stationary energy and fuel emissions. Influence: AC3 do have the potential to influence the reduction of emissions from this source. Risk: The emissions source does not contribute to the organisations greenhouse gas risk exposure. Stakeholders: Key stakeholders are not likely to deem the emissions source relevant. Outsourcing: The emissions are not from outsourced activities previously undertaken within the organisations boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

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