PUBLIC DISCLOSURE STATEMENT

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

SERVICE CERTIFICATION

FY2023-24

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

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

Version 9.1.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	0 tCO_2-e
CARBON OFFSETS USED	N/A – 0% uptake of opt-in service
RENEWABLE ELECTRICITY	26.15%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	21/12/2022 Pangolin Associates

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2.CERTIFICATION INFORMATION

Description of service certification

This service certification is for the Cloud Services provided by AC3.

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 existing or potential clients of AC3.

- Functional unit: tCO_2-e / $ Spend on Cloud Service (AUD)
- Offered as: opt-in service
- Life cycle: cradle-to-grave

The responsible entity for this service certification is the Australian Centre for Advanced Computing and Communication Pty Ltd ("AC3"), ABN 27 095 046 923.

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

Description of business

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. However, only Sydney is included in this certification, as cloud employees are based in Sydney only.

General organisational emissions are not included in this certification. They would fall under AC3's organisational operations, and are not directly attributable to the Cloud Service.

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' of a product or service. These attributable processes are services, materials and energy flows that become the product or service, make the product or service and carry the product or service through its life cycle. These attributable emissions 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 and facilities

Climate Active carbon neutral products and services (incl. electricity, stationary energy, waste and water)

Electricity

ICT Services and equipment

Office equipment and supplies

Postage, courier and freight

Professional services

Transport (air)

Transport (land and sea)

Working from home

Non-quantified

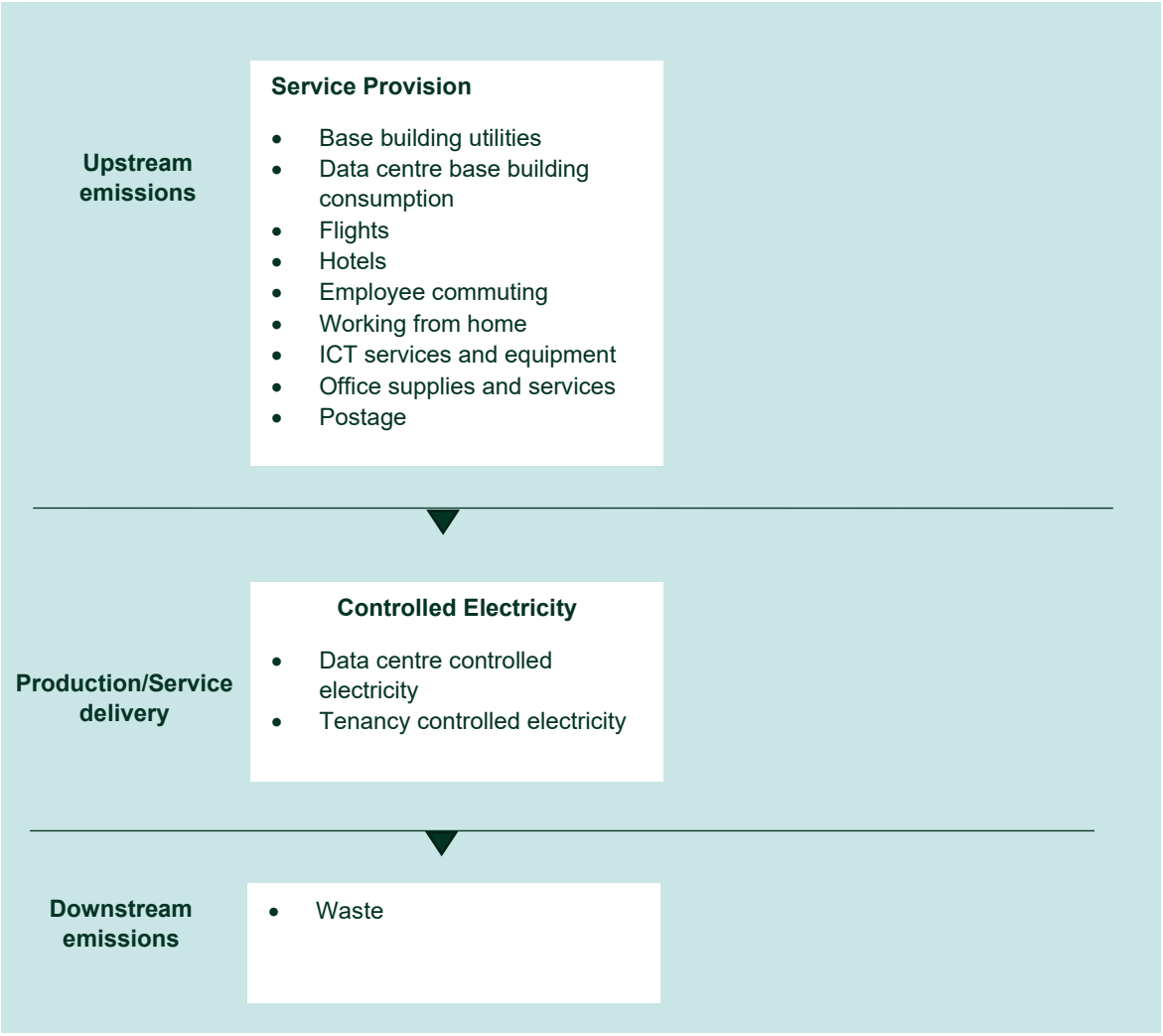
Refrigerants

Outside emission boundary

Non-attributable

Product / Service process diagram

Cradle-to-grave boundary



4. EMISSIONS REDUCTIONS

Emissions reduction strategy

AC3 plans to achieve a 15% reduction by 2027, 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 data centres 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	FY27 Target (t CO_2-e)
Private cloud infrastructure	15% reduction by FY27 30% reduction over 10 years	FY27: 1,691.67 t FY32: 1,393.14 t
Hyperscale cloud	10% reduction by FY27 50% reduction over 10 years	FY27: 715.37 t FY32: 397.43 t
Travel emissions	10% reduction by FY27 30% reduction over 10 years	FY27: 5.49 t FY32: 4.27 t
Total Emissions	**30% reduction over 10 years**	**FY32: 2,165.58 t**

Emissions reduction actions

During this reporting period, AC3 implemented several key initiatives to reduce our emissions and enhance our sustainability efforts:

Sustainable Transportation: We encouraged our employees to use public transportation, carpool, or bike to work by providing incentives such as subsidised transit passes and secure bike storage facilities. We also introduced a company-wide policy to prioritise virtual meetings over interstate travel whenever possible.

Waste Reduction Programs: We launched a waste reduction program that included recycling, composting and reducing single-use plastics in our operations in conjunction with our office building. We also partnered with local organisations to ensure proper disposal and recycling of electronic waste.

Employee Engagement and Training: We conducted education for our employees about sustainable practices and the importance of reducing emissions.

Supply Chain Management: We worked closely with our suppliers to ensure they adhere to sustainable practices. This includes selecting suppliers who use eco-friendly materials and processes, and encouraging them to reduce their carbon footprint. We prioritised working with partners and vendors who demonstrate a commitment to sustainability. Specifically, we collaborated with data centre partners like Equinix, AWS, and Azure, who are leaders in sustainable practices. By choosing partners who share our environmental values, we aim to amplify our impact and support a broader movement towards sustainability.

These actions reflect our commitment to sustainability and our proactive approach to reducing emissions. We are proud of the progress we have made and remain dedicated to continuous improvement in our environmental performance.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	Emissions intensity of the functional unit (kgCO2-e/$)
Base Year / Year 1:	FY2022-23	3,063.00	0.101
Year 2:	FY2023-24	4,693.37	0.155

The emissions represented in the table above account for all emissions associated with the service.

Significant changes in emissions

Significant changes in emissions			
Attributable process	**Previous year emissions** ($t CO_2$-e)	**Current year emissions** ($t CO_2$-e)	**Reason for change**
Technical services	0.00	722.21	Technical services refers to activity associated with Software. In FY2024, there was greater reporting accuracy due to better analysis of cloud-related expenses. In previous years, software may have been captured within 'Computer and electrical parts, components, hardware and accessories'
HP	0.00	544.41	In FY2024 a supplier specific emissions factor was used. HP activity was accounted for in previous reporting, but was included within "Computer and electrical parts, components, hardware and accessories"
Amazon Web Services	686.98	1,926.21	Significant increase on prior reporting due to updated methodology. More accurate reporting of Scope 3 emissions using a supplier specific emission factor. FY2023 data was also based on a report from 2021, therefore there should be expected growth.

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

Certified brand name	Product/Service/Building/Precinct used
477 Pitt Street	Base building certified under ISPT Organisation

Emissions summary

This emissions summary represents the total attributable emissions to AC3's Cloud Service. There was 0% uptake in FY2024.

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	1.89	1.89
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Electricity	0.00	381.26	162.18	543.44
ICT services and equipment	0.00	0.00	3,084.94	3,084.94
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment & supplies	0.00	0.00	0.11	0.11
Postage, courier and freight	0.00	0.00	0.46	0.46
Professional Services	0.00	0.00	1001.06	1001.06
Refrigerants	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	46.48	46.48
Transport (Land and Sea)	0.00	0.00	11.29	11.29
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	3.70	3.70
Total emissions (tCO_2-e)	**0.00**	**381.26**	**4,312.12**	**4,693.37**

The emissions represented in the table above account for all emissions associated with the service.

Product / Service offset liability	
Emissions intensity per functional unit	0.155 kgCO2-e/$
Emissions intensity per functional unit including uplift factors	N/A
Number of functional units covered by the certification	0
Total emissions (tCO_2-e) to be offset	**0.00**

The above table only represents the emissions relating to the carbon neutral opt-in service.

6.CARBON OFFSETS

Eligible offsets retirement summary

Not applicable – 0% uptake of opt-in service

7. 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 **market-based approach.**

Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	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)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	60,662	0	7%
Precinct/Building (LRET)	15,309	0	2%
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)	137,540	0	17%
Residual Electricity	602,992	548,723	0%
Total renewable electricity (grid + non grid)	**213,511**	**0**	**26%**
Total grid electricity	**816,503**	**548,723**	**26%**
Total electricity (grid + non grid)	**816,503**	**548,723**	**26%**
Percentage of residual electricity consumption under operational control	79%		
Residual electricity consumption under operational control	**475,264**	**432,490**	
Scope 2	423,037	384,964	
Scope 3 (includes T&D emissions from consumption under operational control)	52,227	47,526	
Residual electricity consumption not under operational control	**127,728**	**116,233**	
Scope 3	127,728	116,233	

Total renewables (grid and non-grid)	**26.15%**
Mandatory	**18.72%**
Voluntary	**7.43%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO_2-e)	**384.96**
Residual scope 3 emissions (t CO_2-e)	**163.76**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**381.26**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**162.18**
Total emissions liability (t CO_2-e)	**543.44**

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	**72%**	**(kWh)**	**Scope 2 Emissions ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
ACT	0	0	0	0	0	0
NSW	606,503	434,336	295,349	21,717	172,167	125,682
SA	0	0	0	0	0	0
VIC	210,000	150,388	118,806	10,527	59,612	51,267
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	**816,503**	**584,724**	**414,155**	**32,244**	**231,779**	**176,948**
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	**0**	**0**	**0**	**0**		
Total electricity (grid + non grid)	**816,503**					

Residual scope 2 emissions (t CO_2-e)	**414.15**
Residual scope 3 emissions (t CO_2-e)	**209.19**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**374.33**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**189.32**
Total emissions liability	**563.65**

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)
*477 Pitt Street, Haymarket**	**81,779**	**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.

*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.

Relevant non-quantified emission sources	Justification reason
Refrigerants	Immaterial

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**).

Emissions Source	No actual data	No projected data	Immaterial
-			

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 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
	-	-	-	-	-	

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