PUBLIC DISCLOSURE STATEMENT

COMMONWEALTH BANK OF AUSTRALIA

ORGANISATION CERTIFICATION
FY2023-24

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	COMMONWEALTH BANK OF AUSTRALIA
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.*  Jennifer Saiz Executive General Manager, Group Corporate Services 31 Jan 2025

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

Version 9.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	66,511 tCO2-e
CARBON OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	100%[1]
CARBON ACCOUNT	Prepared by: Energetics Pty Ltd
TECHNICAL ASSESSMENT	December 2023 Jessica Antunes Energetics Pty Ltd Next technical assessment due: FY 2026

Contents

[1] CBA has retired large-scale generation certificates (LGCs) against all electricity consumption in Australia, and local renewable certificates for all international electricity consumption, consistent with the GHG Protocol guidance. Where local energy attribute certificates are considered ineligible by Climate Active, additional Australian Carbon Credit Units (ACCUs) were purchased to offset these emissions See Appendix A for more details for more details

2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the business operations Commonwealth Bank of Australia (CBA), ABN 48 123 123 124 including the subsidiaries listed in the table below.

This Public Disclosure Statement (PDS) presents our FY24 emissions inventory that covers the Australian business operations of Commonwealth Bank of Australia, as well as our offices located in Asia, Europe, and North America. Financed emissions are not included within our inventory boundary as our carbon neutral assessment is limited to CBA's operations.

This Public Disclosure Statement includes information for FY24 reporting period.

Organisation description

The Commonwealth Bank of Australia (ABN 48 123 123 124) is one of the leading banks in Australia. We serve more than 17 million customers with a focus on providing retail and commercial banking services predominantly in Australia, and in New Zealand through our subsidiary ASB. Our products and services are provided through our divisions, Retail Banking Services, Business Banking, Institutional Banking and Markets, and ASB New Zealand.

We have operations in Australia and New Zealand, and offices in Asia, Europe, and North America. Our subsidiary, ASB New Zealand, is certified net carbonzero through Toitū Envirocare, and has been certified since 2019.

Our carbon account is based on an extended "operational control" approach to establish our operational boundary and identify which emission sources need to be included. The operational control boundary covers CBA's Australia-based operations, including Bankwest (ABN 48 123 123 124) and includes commercial and retail facilities as well as data centres. We continue to extend our boundary to assess the materiality and the inclusion of emissions sources beyond our operational control, such as the base buildings of our commercial sites, business travel activities, employees working from home, employee commuting, paper and courier services used by the Bank.

For this carbon neutral certification, we are including our "other overseas" operations located in Asia, Europe, and North America.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
Bankwest	48 123 123 124	

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**.

All emission sources listed in the emissions boundary are part of this certification. This includes emissions for our Australia-based operations (CBA and Bankwest). Emissions for our operations based in Asia, Europe and North America are **optionally** included. Further details on the methodology used to calculate international emissions are available in Appendix A. Uplift factors are not applicable to our FY24 carbon inventory. Emissions associated with waste and water for retail sites are based on a scaling approach, using the relative floor area (m^2 net lettable area - NLA) of our commercial sites. This is an estimation method based on extrapolation, rather than an overall uplift factor. Emissions associated with employees working from home and employee commuting are based on the emissions calculators developed for use for Climate Active submissions.

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.

The following emission sources have been excluded in line with the provisions of the Climate Active Carbon Neutral Standard for Organisations. The exclusions are based on our organisational boundary, aligning with our peers, data limitations, materiality considerations and/or the fact that we have limited potential to influence the reduction of these scope 3 emissions from a particular source.

- Retail sites base building – Base building emissions associated with our commercial sites (offices) have been quantified and included in the inventory. However, emissions associated with our base building energy use at retail sites have been excluded due to the difficulty of obtaining data (portfolio with large numbers of sites), immaterial contribution of this emission source, and our limited ability to influence emissions reductions (e.g. being minor tenant in large building such as shopping centres).

- Capital goods – While we recognise there are embedded emissions associated with capital goods; emissions associated with capital expenditure have been excluded from our organisational boundary. We exclude capital goods given they are not "consumed" by our organisation.

- Financed emissions – Financed emissions are not included within our inventory boundary as our carbon neutral assessment is limited to CBA's operations. This approach is in line with other financial institutions that are Climate Active carbon neutral certified. However, we recognise the importance of measuring our financed emissions and supporting our customers to reduce their emissions through our overall approach to climate change. Our 2024 Climate Report outlines our approach to supporting Australia's transition to a net zero economy by 2050 and demonstrates our progress, including further information on our financed emissions. As members of the Net Zero Banking Alliance (NZBA) we disclose our financed emissions footprint to key high emissions sectors, and track progress towards our net zero commitments in the report.

- Other purchased goods and services: Some aspects of this category emissions from the production and distribution of our annual report and the use of copy paper, have been assessed separately. Other sub-categories are also being assessed for inclusion in future submissions.

Inside emissions boundary

Quantified

Accommodation

Air transport

Climate Active certified products & services

Land and sea transport (taxis, car hire, business use of private vehicles and own vehicles): diesel, LPG, petrol and ethanol

Electricity consumption - Australia (market-based)

Office equipment and supplies: paper

Professional services – annual report production and distribution

Refrigerants

Stationary energy: diesel and natural gas

Working from home

Employee commuting

Water: corporate and retail

Waste: (municipal waste and not recycled): corporate and retail

Waste to recycling

Couriers

Annual General Meeting

Non-quantified

N/A

Outside emission boundary

Excluded

Basebuilding retail sites

Capital expenditure

Financed emissions

Other purchased goods and services

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Climate change poses both financial and non-financial risks for CBA. We remain committed to supporting Australia's transition to a net zero economy by 2050. We continue to improve our approach to sustainability to address changing risks and opportunities, ensuring it delivers value for our stakeholders.

We aim to reduce our operational emissions by investing in technologies and practices that enable us to achieve our Scope 1, 2, and 3 operational emissions reduction targets. We do this through sourcing renewable electricity equivalent to 100% of our electricity needs globally by 2030. We maintain operational performance of all main commercial spaces to a minimum weighted average of 4.5 Star NABERS Energy – Office Tenancies rating or international equivalent, and design new retail branches to a minimum 5 Star Green Star rating standard. All our emission initiatives are detailed below in Emission Reduction.

Scope 1 & 2 operational emissions	**Scope 3 Operational emissions**
2020 Baseline: 19,282tCO_2-e Reduction by 21% by 2025 Reduction by 42% by 2030	2020 Baseline: 34,288 tCO_2-e Reduction by 16.3% by 2025 Reduction by 32.7% by 2030

Full detail of our targets and progress are disclosed in our 2024 Annual Report and Climate Report.

Emissions reduction actions

Our emissions reduction initiatives align with the emission reduction hierarchy in section 2.4 of the Climate Active Carbon Neutral Standard for Organisations. We have implemented energy efficiency initiatives, installed onsite renewable electricity generation, and procured off-site renewable electricity for our remaining electricity use.

Our key energy efficiency initiatives include LED lighting upgrades, HVAC equipment upgrades, building controls upgrades, electricity metering upgrades, and the rollout of smart sensors. For commercial buildings, energy efficiency is being improved by progressively adjusting the temperature set points from 23°C to 25°C for all Main Computer Rooms (MCRs) and Floor Computer Rooms (FCRs). Additionally, a lifecycle asset management program has been implemented to install more energy-efficient Computer Room Air Conditioners (CRACs) and Packaged Air Conditioners (PAC) units.

For retail sites, a lifecycle asset management program is in place to install more energy-efficient HVAC systems using inverter technology that adjusts to specific load requirements. A building management platform has been introduced to remotely adjust HVAC equipment operating schedules, such as turning off equipment during public holidays.

We have undertaken water reduction initiatives, including recycled water in our head office buildings, and have sought to reduce the chemicals in our discharged water by implementing ionised water for food preparation and cleaning in our client services food and beverage areas.

Since 2020, we have reduced our Scope 1 and 2 emissions by 65% from our 2020 baseline, currently exceeding our 2025 target of a 21% reduction. Our fleet emissions provide the greatest opportunity for ongoing reductions, representing 80% of the remaining Scope 1 and 2 operational emissions required to be reduced in order to meet our target. This year, we have formalised a strategy to transition 100% of the Group's fleet to hybrid and EVs by 2030.

We currently have 1.60 MW of on-site solar capacity installed on top of 83 branches. Since installation began in 2015, we have installed a total capacity of 1.67 MW across 96 branches. Due to changes in our leasing portfolio, we have since exited some of these locations; however, the solar installations remained after we vacated the premises. We continue to assess our network for opportunities to install more solar capacity as we approach our target to have 2 MW of on-site solar cumulative capacity installed across our Australian branches by 2025.

Where possible, we purchase the equivalent of 100% renewable electricity for all our operations through RECs. We achieved RE100 certification for 2023 at 99.9% for the Group, with ASB metering limitations representing the remaining 0.1%. Our Australian operations have sourced the equivalent of 100% renewable electricity since January 2020. In 2021, we extended this to our other overseas operations, followed by ASB in New Zealand in 2022. In Australia, we procure large generation certificates (LGCs) through a power purchasing agreement with a windfarm in New South Wales, along with retail contracts in other states, including nominated renewable electricity sources for the remaining LGCs. We therefore have zero net emissions for Australian electricity consumption, using a market-based approach, from the use of electricity as shown in section 7. Energy attribute certificates have also been secured locally for the consumption of electricity across international operations in compliance with RE100 guidelines. Where local energy attribute certificates are considered ineligible by Climate Active, additional Australian Carbon Credit Units (ACCUs) were purchased to offset these emissions.

Since 2020, we have reduced our Scope 3 emissions by 14% from our 2020 baseline. The main driver of this reduction is from optimising our freight demand and partnering with a supplier that currently has Australia's largest electric delivery vehicle fleet. Freight-related Scope 3 emissions have also reduced 30% this year. This is a continued reduction from implementing changes with our courier supplier, optimising operations, and improving data availability. Air travel continues to represent the greatest challenge, representing 74% of the remaining Scope 3 operational emissions required to be reduced in order to meet this target. This year, we have embedded a flight emissions dashboard and trained key staff on how to plan and track air travel emissions in line with our target. CBA has also become a member of the Qantas Sustainable Aviation Fuel (SAF) coalition, contributing to the development of a domestic SAF sector.

We have implemented various initiatives to reduce emissions from its buildings and workplaces. This includes enhancing property design to minimize construction waste and achieve lower embodied carbon. The refurbishment of Commonwealth Bank Place (CBP) incorporated sustainable design principles, achieving a reduction in embodied carbon. We are focused on reducing our Scope 3 supply chain emissions by engaging with our top suppliers by spend to understand their environmental commitments and approaches to managing climate-related issues.

5.EMISSIONS SUMMARY

Emissions over time

Emissions in FY24 have increased by 7,584 tCO_2-e compared to FY23. This increase was primarily driven by an increase in activity, inclusion of actual data for international offices, increase in employee commuting, change in emission factors (accommodation, water) and inclusion of courier emissions from previous reporting period.

Emissions since base year			
		Total tCO_2-e (without uplift)	**Total tCO_2-e** (with uplift)
Base year/ Year 1:	2018-19	142,361	142,361
Year 2:	2019-20	35,530	35,530
Year 3:	2020-21	27,512	27,512
Year 4:	2021-22	30,084	30,084
Year 5:	2022-23	58,927	58,927
Year 6:	2023-24	66,511	66,511

Significant changes in emissions

The table below shows all individual emissions source that have significant change compared to FY23 emissions.

Significant changes in emissions			
Emission source	**Previous year emissions** (t CO_2-e)	**Current year emissions** (t CO_2-e)	**Reason for change**
Long business class flights (>3,700km) (Transport - air)	8,203.84	15,046.73	Increase in activity and inclusion of actual data for international offices (instead of estimations, which was included in a different category in previous years).
Medium Car: unknown fuel (Transport – land & sea)	9,643.51	13,102.94	Increase in employee commuting activity.
Working from home (Transport – land & sea)	10,180.79	7,431.75	Increase in employee commuting activity, which leads to reduced WFH emissions.

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

Some base buildings where CBA is a tenant are either certified as a Carbon Neutral Building or included in the building owner's Organisation Certification in FY24.

Base building address	Certification period	Building owner / manager	PDS / Letter of intent
201 Sussex St, Sydney NSW 2000	From 18/12/2020	GPT	Link
1 and 11 Harbour St, Sydney NSW 2000	From 21/12/2020	Lendlease	Link
COMMONWEALTH BANK SQUARE (35 Tumbalong Boulevard, Sydney NSW 2000)	From 21/12/2020	Lendlease	Link

Emissions summary

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

Emission category	Sum of Scope 1 emissions (tCO2-e)	Sum of Scope 2 emissions (tCO2-e)	Sum of Scope 3 emissions (tCO2-e)	Sum of Total emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	1,645.13	1,645.13
Climate Active certified products and services	0.00	0.00	0.00	0.00
Electricity (domestic)	0.00	0.00	0.00	0.00
Electricity (International)	0.00	225.26	24.14	249.40
Food	0.00	0.00	8.53	8.53
International scope 1 emissions	216.38	0.00	0.00	216.38
International scope 3 emissions	0.00	0.00	1,870.21	1,870.21
Office equipment and supplies	0.00	0.00	933.33	933.33
Postage, courier and freight[2]	0.00	0.00	4,395.23	4,395.23
Products	0.00	0.00	0.06	0.06
Professional services	0.00	0.00	85.71	85.71
Refrigerants	907.89	0.00	0.00	907.89
Stationary energy (gaseous fuels)	125.61	0.00	669.87	795.47
Stationary energy (liquid fuels)	544.42	0.00	134.17	678.58
Transport (air)	0.00	0.00	24,396.82	24,396.82
Transport (land and sea)	3,782.41	0.00	17,508.15	21,290.56
Waste	0.00	0.00	1,011.90	1,011.90
Water	0.00	0.00	593.74	593.74
Working from home	0.00	0.00	7,431.75	7,431.75
Grand Total	**5,576.71**	**225.26**	**60,708.73**	**66,510.70**

[2] An oversight in the FY23 submission excluded Australia post courier emissions, which we have now included in this year's certification to rectify the error. This is detailed in Appendix A

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Calculation of emissions for this organisation certification did not use any uplift factor.

Reason for uplift factor	**tCO_2-e**
	N/A
Total of all uplift factors (tCO_2-e)	0.0
Total emissions footprint to offset (tCO_2-e) *(total emissions from summary table + total of all uplift factors)*	**66,510.70**

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
Australian Carbon Credit Units (ACCUs)	66,511	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
Balanggarra 1 Fire Project - EOP100650	KACCU	ANREU	3/07/2023	8,344,679,474 - 8,344,691,405	2021-22	11,932	5,326	0	6,606	9.93%
Wunambal Gaambera Uunguu Fire Project – EOP100641	KACCU	ANREU	4/09/2024	9,012,450,330 - 9,012,466,702	2023-24	16,373	0	0	16,373	24.62%
Dambimangari Fire Project - EOP100647	KACCU	ANREU	4/09/2024	8,344,723,802 - 8,344,745,031	2021-22	21,230	0	0	21,230	31.92%
Wilinggin Fire Project - EOP100642	KACCU	ANREU	4/09/2024	8,346,230,545 - 8,346,251,774	2021-22	21,230	0	0	21,230	31.92%
Wunambal Gaambera Uunguu Fire Project – EOP100641	KACCU	ANREU	4/09/2024	8,370,658,855 - 8,370,663,711	2022-23	4,857	0	3,785	1,072	1.61%
						75,622	**5,326**	**3,785**	**66,511**	**100.00%**

Australian Government
Clean Energy Regulator

1st August 2023 VC202324-00211

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Balanggarra Aboriginal Corporation RNTBC (account number AU-2357).

The details of the cancellation are as follows:

Date of transaction	3 July 2023
Transaction ID	AU28289
Type of units	KACCU
Total Number of units	11,932
Serial number range	8,344,679,474 - 8,344,691,405
ERF Project	Balanggarra 1 Fire Project - EOP100650
Vintage	2021-22
Transaction comment	Cancelling on behalf of the Commonwealth Bank of Australia.

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, http://www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information.

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division
Clean Energy Regulator
registry-contact@cer.gov.au www.cleanenergyregulator.gov.au

CLEAN ENERGY REGULATOR

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6 September 2024 VC202425-00556

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Wanjina-Wunggurr (Native Title) Aboriginal Corporation RNTBC (account number AU-2466).

The details of the cancellation are as follows:

Date of transaction	4 September 2024
Transaction ID	AU35764
Type of units	KACCU
Total Number of units	16,373
Serial number range	9,012,450,330 - 9,012,466,702
ERF Project	Wunambal Gaambera Uunguu Fire Project – EOP100641
Vintage	2023-34

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, Voluntary cancellations register | Clean Energy Regulator (cer.gov.au).

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division

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Australian Government
Clean Energy Regulator

6 September 2024 VC202425-00557

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Wanjina-Wunggurr (Native Title) Aboriginal Corporation RNTBC (account number AU-2416).

The details of the cancellation are as follows:

Date of transaction	4 September 2024
Transaction ID	AU35765
Type of units	KACCU
Total Number of units	21,230
Serial number range	8,344,723,802 - 8,344,745,031
ERF Project	Dambimangari Fire Project - EOP100647
Vintage	2021-22

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, Voluntary cancellations register | Clean Energy Regulator (cer.gov.au).

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division

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Australian Government
Clean Energy Regulator

6 September 2024 VC202425-00558

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Wanjina-Wunggurr (Native Title) Aboriginal Corporation RNTBC (account number AU-2467).

The details of the cancellation are as follows:

Date of transaction	4 September 2024
Transaction ID	AU35766
Type of units	KACCU
Total Number of units	21,230
Serial number range	8,346,230,545 - 8,346,251,774
ERF Project	Wilinggin Fire Project - EOP100642
Vintage	2021-22

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, Voluntary cancellations register | Clean Energy Regulator (cer.gov.au).

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division

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Australian Government
Clean Energy Regulator

6 September 2024 VC202425-00555

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Wanjina-Wunggurr (Native Title) Aboriginal Corporation RNTBC (account number AU-2466).

The details of the cancellation are as follows:

Date of transaction	4 September 2024
Transaction ID	AU35763
Type of units	KACCU
Total Number of units	4,857
Serial number range	8,370,658,855 - 8,370,663,711
ERF Project	Wunambal Gaambera Uunguu Fire Project – EOP100641
Vintage	2022-23

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, Voluntary cancellations register | Clean Energy Regulator (cer.gov.au).

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,

David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division

Co-benefits

We have sourced ACCUs through the Kimberley Land Council, from four Indigenous savanna burning carbon projects:

- *Balanggarra 1 Fire Project*
- Dambimangari Fire Project
- Wilinggin Fire Project
- Wunambal Gaambera Uunguu Fire Project

The four projects' primary objectives are: supporting traditional fire management practices to protect and improve conservation outcomes; protecting cultural sites; facilitating intergenerational transmission of traditional knowledge; and providing jobs, skills and development opportunities to traditional owners. In this way, participating in the carbon market allows the Indigenous carbon project partners to earn revenue from traditional fire management practices, contributing to financial sustainability and improved community outcomes.

These projects deliver positive outcomes such as greater employment, preservation and transmission of cultural knowledge, biodiversity protection and remote community development. These projects are Indigenous owned and operated, creating employment and income for Traditional Owners managing Indigenous cultural values and sites. Fire management activities also support ecosystem function and protect important animal and plant species.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-scale Generation certificates (LGCs)*	81,001
2. Other RECs	N/A[3]

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generat-ion year	Fuel source	Quantity (MWh)
Mt Mercer Wind Farm - VIC	VIC, Australia	LGC	REC Registry	12 Jan 2024	WD00VC17	37377-38740	2023	Wind	1,364
Mt Millar Wind Farm - SA	SA, Australia	LGC	REC Registry	12 Jan 2024	WD00SA06	15540-25106	2023	Wind	9,567
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	326116-331147	2023	Wind	5,032
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	401021-407716	2023	Wind	6,696

[3]See Appendix A for details on the local energy attribute certificates used for CBA's international electricity consumption.

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generat-ion year	Fuel source	Quantity (MWh)
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	332812-339291	2023	Wind	6,480
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	273053-276586	2023	Wind	3,534
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	263517-265063	2023	Wind	1,547
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	12 Jan 2024	WD00NS13	252234-253013	2023	Wind	780
Badgingarra Renewable Facility - Wind & Solar - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRWDWA01	107395-108179	2023	Solar	785
Gilmac York - Solar wSGU – WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWAG2	1-25	2023	Solar	25
Merredin Solar – WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWAB8	132016-132430	2023	Solar	415
Merredin Solar – WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWAB8	83609-83642	2023	Solar	34
Geraldton Aquarena - Solar wSGU - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWAB2	33-58	2023	Solar	26
Geraldton Aquarena - Solar wSGU - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWAB2	18-32	2023	Solar	15
Canning Vale WIS Solar- WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA50	107-127	2023	Solar	21

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generat-ion year	Fuel source	Quantity (MWh)
Karratha Solar Power 1MW - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA29	374-496	2023	Solar	123
Watershed Premium Wines Ltd Solar- WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA21	26-33	2023	Solar	8
Leeuwin Estate Solar - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA19	45-52	2023	Solar	8
Amcap Distribution Welshpool Solar - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA17	59-82	2023	Solar	24
Mitchell Foods Canning Vale Solar - WA	WA, Australia	LGC	REC Registry	13 May 2024	SRPVWA14	6-19	2023	Solar	14
PGWF - Wind and Solar - WA	WA, Australia	LGC	REC Registry	13 May 2024	WD00WA22	592-774	2023	Wind	183
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	13 May 2024	WD00NS13	288185-294032	2023	Wind	5,848
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	13 May 2024	WD00NS13	497708-504403	2023	Wind	6,696
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	13 May 2024	WD00NS13	85616-91183	2024	Wind	5,568
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	13 May 2024	WD00NS13	72639-78590	2024	Wind	5,952
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	27 Jun 2024	WD00NS13	138231-144182	2024	Wind	5,952

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generat-ion year	Fuel source	Quantity (MWh)
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	27 Jun 2024	WD00NS13	47608-53367	2024	Wind	5,760
Sapphire Wind Farm – NSW	NSW, Australia	LGC	REC Registry	27 Jun 2024	WD00NS13	125509-131460	2024	Wind	5,952
Yeldon Wind Farm - VIC	VIC, Australia	LGC	REC Registry	09 Jan 2025	WD00VC34	3746-6337	2024	Wind	2592
								Total LGCs surrendered this report and used in this report	**81,001**

APPENDIX A: ADDITIONAL INFORMATION

International emissions

Emissions from India were calculated separately and included in the international emissions for scope 1, 2, and 3. International Scope 1 and 3 emissions for the rest of the countries were calculated by scaling CBA's Australian emissions by the number of Full-time Equivalent (FTE) employees in Australia and overseas (excluding New Zealand which is certified separately). Our international emissions calculated in this way excludes electricity, which is accounted for separately, and Australian specific emissions which were deemed not relevant (production of the Annual Report, Climate Report and the Annual General Meeting). Emissions from employee commuting and employee working from home are included in the international emissions calculation.

We have secured International Renewable Energy Certificates (iRECs) in Beijing, Shanghai, Hong Kong, India and Indonesia, Tradeable instruments for Global renewables (TIGR) in Singapore, Guarantees of Origin GO (Europe) in the Netherlands and Renewable Energy Guarantees of Origin (REGO) in the United Kingdom to underpin our renewable energy claims.

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Beijing	33	iREC	The Green Certificate Company	0000-0220-4868-7406.000000- 0000-0220-4868-7715.999999	2024	Wind	310*
Shanghai	272						
Hong Kong	218	iREC	The Green Certificate Company	0000-0220-4868-7166.000000 0000-0220-4868-7405.999999	2024	Wind	240
India	4,211	iREC	The Green Certificate Company	0000-0220-4428-0929.000000 0000-0220-4428-3206.502999	2024	Solar	2,278
India	4,211	iREC	The Green Certificate Company	0000-0220-4543-0905.482400 0000-0220-4543-2852.979399	2024	Solar	1,947
United Kingdom	1,155	REGO	Swiss Carbon Assets Ltd and Scheme	G02635NWSC0000 0027950104243004 24 GEN G02635NWSC0000 0031490104243004 24 GEN	2024	Wind	355
United Kingdom	1,155	REGO	Swiss Carbon Assets Ltd and Scheme	G01340NWWA000 0000035010524310 52 4GEN G01340NWWA000 0000303010524310 52 4GEN	2024	Wind	269
United Kingdom	1,155	REGO	Swiss Carbon Assets Ltd and Scheme	G01340NWWA000 0000000010424300 42 4GEN G01340NWWA000 0000540010424300 42 4GEN	2024	Wind	541

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Singapore	346	TIGR	Tradeable instruments for Global renewables	No Serial no provided	2024	Solar	350
Netherlands	163	GO (Europe) (Total)	Norwegian Energy Certificate System	See below	2024	Solar	175
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350535 8032551320000000 00001015350548	2024	Solar	14
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350549 8032551320000000 00001015350561	2024	Solar	13
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350524 8032551320000000 00001015350534	2024	Solar	11
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350920 8032551320000000 00001015350936	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350937 8032551320000000 00001015350953	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350954 8032551320000000 00001015350969	2024	Solar	16
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350970 8032551320000000 00001015350986	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015350987 8032551320000000 00001015351003	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015351004 8032551320000000 00001015351020	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015351021 8032551320000000 00001015351037	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015351038 8032551320000000 00001015351054	2024	Solar	17
Netherlands		GO (Europe)	Norwegian Energy Certificate System	8032551320000000 00001015351055 8032551320000000 00001015351056	2024	Solar	2
Indonesia	4,062	iREC (Total)	The Green Certificate Company	See below	2024	Solar	4100
Indonesia		iREC	The Green Certificate Company	0000-0219-8485-0234.000000 0000-0219-8485-0284.999999	2024	Solar	51

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0219-7498-2144.000000 0000-0219-7498-2201.999999	2024	Solar	58
Indonesia		iREC	The Green Certificate Company	0000-0220-7786-4066.000000 0000-0220-7786-4122.473669	2024	Solar	56
Indonesia		iREC	The Green Certificate Company	0000-0220-4891-4304.000000 0000-0220-4891-4365.999999	2024	Solar	62
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5372.000000 0000-0220-4288-5431.999999	2024	Solar	60
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5313.000000 0000-0220-4288-5371.999999	2024	Solar	59
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5896.000000 0000-0220-4288-5928.999999	2024	Solar	33
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6016.000000 0000-0220-4288-6054.999999	2024	Solar	39
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6184.000000 0000-0220-4288-6226.999999	2024	Solar	43
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6745.000000 0000-0220-4697-6783.999999	2024	Solar	39
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5929.000000 0000-0220-4288-5966.999999	2024	Solar	38
Indonesia		iREC	The Green Certificate Company	0000-0220-5706-0943.000000 0000-0220-5706-0977.000859	2024	Solar	34
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6784.000000 0000-0220-4697-6893.999999	2024	Solar	110
Indonesia		iREC	The Green Certificate Company	0000-0220-4280-7774.000000 0000-0220-4280-7919.999999	2024	Solar	146
Indonesia		iREC	The Green Certificate Company	0000-0220-4280-7617.000000 0000-0220-4280-7773.999999	2024	Solar	157
Indonesia		iREC	The Green Certificate Company	0000-0219-8484-9084.000000 0000-0219-8484-9231.999999	2024	Solar	148
Indonesia		iREC	The Green Certificate Company	0000-0219-7499-1024.000000 0000-0219-7499-1133.999999	2024	Solar	110

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0220-7042-9679.000000 0000-0220-7042-9715.208489	2024	Solar	36
Indonesia		iREC	The Green Certificate Company	0000-0220-7046-0758.000000 0000-0220-7046-0764.598589	2024	Solar	7
Indonesia		iREC	The Green Certificate Company	0000-0220-7047-4961.000000 0000-0220-7047-4970.246979	2024	Solar	9
Indonesia		iREC	The Green Certificate Company	000-0220-4314-1227.000000 0000-0220-4314-1248.999999	2024	Solar	22
Indonesia		iREC	The Green Certificate Company	0000-0220-4314-1249.000000 0000-0220-4314-1276.999999	2024	Solar	28
Indonesia		iREC	The Green Certificate Company	0000-0220-7047-4971.000000 0000-0220-7047-4991.189109	2024	Solar	20
Indonesia		iREC	The Green Certificate Company	0000-0220-4314-1194.000000 0000-0220-4314-1226.999999	2024	Solar	33
Indonesia		iREC	The Green Certificate Company	0000-0220-2747-5094.000000 0000-0220-2747-5119.999999	2024	Solar	26
Indonesia		iREC	The Green Certificate Company	0000-0220-7046-0692.000000 0000-0220-7046-0721.074359	2024	Solar	29
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6227.000000 0000-0220-4288-6258.999999	2024	Solar	32
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6259.000000 0000-0220-4288-6285.999999	2024	Solar	27
Indonesia		iREC	The Green Certificate Company	0000-0220-4901-1011.000000 0000-0220-4901-1040.999999	2024	Solar	30
Indonesia		iREC	The Green Certificate Company	0000-0220-2740-5536.000000 0000-0220-2740-5543.999999	2024	Solar	8
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5993.000000 0000-0220-4288-6015.999999	2024	Solar	23
Indonesia		iREC	The Green Certificate Company	0000-0220-4622-0676.000000 0000-0220-4622-0697.999999	2024	Solar	22
Indonesia		iREC	The Green Certificate Company	0000-0220-5706-0978.000000 0000-0220-5706-1000.404819	2024	Solar	22

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0219-7499-1151.000000 0000-0219-7499-1169.999999	2024	Solar	19
Indonesia		iREC	The Green Certificate Company	0000-0219-8670-6601.000000 0000-0219-8670-6620.999999	2024	Solar	20
Indonesia		iREC	The Green Certificate Company	0000-0220-4286-6665.000000 0000-0220-4286-6687.999999	2024	Solar	23
Indonesia		iREC	The Green Certificate Company	0000-0220-4429-5352.000000 0000-0220-4429-5365.999999	2024	Solar	14
Indonesia		iREC	The Green Certificate Company	0000-0220-4429-5366.000000 0000-0220-4429-5380.999999	2024	Solar	15
Indonesia		iREC	The Green Certificate Company	0000-0220-4429-5338.000000 0000-0220-4429-5351.999999	2024	Solar	14
Indonesia		iREC	The Green Certificate Company	0000-0220-4429-5324.000000 0000-0220-4429-5337.999999	2024	Solar	14
Indonesia		iREC	The Green Certificate Company	0000-0220-5704-4650.000000 0000-0220-5704-4661.650819	2024	Solar	12
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6905.000000 0000-0220-4697-6917.999999	2024	Solar	13
Indonesia		iREC	The Green Certificate Company	0000-0220-4901-0978.000000 0000-0220-4901-1010.999999	2024	Solar	33
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5709.000000 0000-0220-4288-5748.999999	2024	Solar	40
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5967.000000 0000-0220-4288-5990.999999	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5466.000000 0000-0220-4288-5502.999999	2024	Solar	37
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5432.000000 0000-0220-4288-5465.999999	2024	Solar	34
Indonesia		iREC	The Green Certificate Company	0000-0220-7994-6687.000000 0000-0220-7994-6723.292069	2024	Solar	36
Indonesia		iREC	The Green Certificate Company	0000-0220-4291-8336.000000 0000-0220-4291-8358.999999	2024	Solar	23

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0220-4291-8359.000000 0000-0220-4291-8382.999999	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-7046-0671.000000 0000-0220-7046-0691.170779	2024	Solar	20
Indonesia		iREC	The Green Certificate Company	0000-0220-4291-8413.000000 0000-0220-4291-8443.999999	2024	Solar	31
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7347.000000 0000-0220-4697-7372.999999	2024	Solar	26
Indonesia		iREC	The Green Certificate Company	0000-0220-4291-8314.000000 0000-0220-4291-8335.999999	2024	Solar	22
Indonesia		iREC	The Green Certificate Company	0000-0220-4940-3234.000000 0000-0220-4940-3259.999999	2024	Solar	26
Indonesia		iREC	The Green Certificate Company	0000-0220-4332-4695.000000 0000-0220-4332-4733.999999	2024	Solar	39
Indonesia		iREC	The Green Certificate Company	0000-0220-4332-5362.000000 0000-0220-4332-5401.999999	2024	Solar	40
Indonesia		iREC	The Green Certificate Company	0000-0220-4328-8704.000000 0000-0220-4328-8742.999999	2024	Solar	39
Indonesia		iREC	The Green Certificate Company	0000-0220-7046-0733.000000 0000-0220-7046-0757.086489	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-4328-8497.000000 0000-0220-4328-8535.999999	2024	Solar	39
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6894.000000 0000-0220-4697-6904.999999	2024	Solar	11
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6174.000000 0000-0220-4288-6183.999999	2024	Solar	10
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6298.000000 0000-0220-4288-6308.999999	2024	Solar	11
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-5871.000000 0000-0220-4288-5881.999999	2024	Solar	11
Indonesia		iREC	The Green Certificate Company	0000-0220-7046-0722.000000 0000-0220-7046-0732.684079	2024	Solar	11

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0220-4288-6287.000000 0000-0220-4288-6297.999999	2024	Solar	11
Indonesia		iREC	The Green Certificate Company	0000-0220-4427-0905.000000 0000-0220-4427-0945.999999	2024	Solar	41
Indonesia		iREC	The Green Certificate Company	0000-0220-4427-0731.000000 0000-0220-4427-0772.999999	2024	Solar	42
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7391.000000 0000-0220-4697-7435.999999	2024	Solar	45
Indonesia		iREC	The Green Certificate Company	0000-0220-4427-0773.000000 0000-0220-4427-0817.999999	2024	Solar	45
Indonesia		iREC	The Green Certificate Company	0000-0220-7044-9690.000000 0000-0220-7044-9730.782879	2024	Solar	41
Indonesia		iREC	The Green Certificate Company	0000-0220-4427-0818.000000 0000-0220-4427-0860.999999	2024	Solar	43
Indonesia		iREC	The Green Certificate Company	0000-0220-4527-1061.000000 0000-0220-4527-1084.999999	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-4901-1110.000000 0000-0220-4901-1137.999999	2024	Solar	28
Indonesia		iREC	The Green Certificate Company	0000-0220-4527-1037.000000 0000-0220-4527-1060.999999	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-4901-1086.000000 0000-0220-4901-1109.999999	2024	Solar	24
Indonesia		iREC	The Green Certificate Company	0000-0220-7994-6665.000000 0000-0220-7994-6686.209909	2024	Solar	21
Indonesia		iREC	The Green Certificate Company	0000-0220-4527-0667.000000 0000-0220-4527-0691.999999	2024	Solar	25
Indonesia		iREC	The Green Certificate Company	0000-0220-7541-4291.000000 0000-0220-7541-4334.008079	2024	Solar	43
Indonesia		iREC	The Green Certificate Company	0000-0220-4289-1146.000000 0000-0220-4289-1191.999999	2024	Solar	46
Indonesia		iREC	The Green Certificate Company	0000-0220-4289-1192.000000 0000-0220-4289-1235.999999	2024	Solar	44

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0220-4901-1041.000000 0000-0220-4901-1085.999999	2024	Solar	45
Indonesia		iREC	The Green Certificate Company	0000-0220-4427-0861.000000 0000-0220-4427-0904.999999	2024	Solar	44
Indonesia		iREC	The Green Certificate Company	0000-0220-4289-1236.000000 0000-0220-4289-1284.99999	2024	Solar	49
Indonesia		iREC	The Green Certificate Company	0000-0220-5432-9834.000000 0000-0220-5432-9834.999999	2024	Solar	1
Indonesia		iREC	The Green Certificate Company	0000-0220-4622-0552.000000 0000-0220-4622-0675.999999	2024	Solar	124
Indonesia		iREC	The Green Certificate Company	0000-0220-3719-2594.000000 0000-0220-3719-2725.999999	2024	Solar	132
Indonesia		iREC	The Green Certificate Company	0000-0220-3719-4895.000000 0000-0220-3719-5025.999999	2024	Solar	131
Indonesia		iREC	The Green Certificate Company	0000-0219-9701-8631.000000 0000-0219-9701-8752.999999	2024	Solar	122
Indonesia		iREC	The Green Certificate Company	0000-0219-3035-0782.000000 0000-0219-3035-0910.999999	2024	Solar	129
Indonesia		iREC	The Green Certificate Company	0000-0220-5432-9733.000000 0000-0220-5432-9833.999999	2024	Solar	101
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7373.000000 0000-0220-4697-7390.999999	2024	Solar	18
Indonesia		iREC	The Green Certificate Company	0000-0220-7997-5212.000000 0000-0220-7997-5227.918009	2024	Solar	16
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7011.000000 0000-0220-4697-7046.999999	2024	Solar	36
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7146.000000 0000-0220-4697-7175.999999	2024	Solar	30
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-7225.000000 0000-0220-4697-7259.999999	2024	Solar	35
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6918.000000 0000-0220-4697-6952.999999	2024	Solar	35

Location	Consumption (MWh)	Certificate type	Registry	Serial number	Generation year	Fuel source	Qty
Indonesia		iREC	The Green Certificate Company	0000-0220-4697-6977.000000 0000-0220-4697-7010.999999	2024	Solar	34
Indonesia		iREC	The Green Certificate Company	0000-0220-6320-4650.000000 0000-0220-6320-4679.210819	2024	Solar	29
Indonesia		iREC	The Green Certificate Company	0000-0220-7681-4355.000000 0000-0220-7681-4387.355329	2024	Solar	32
Indonesia		iREC	The Green Certificate Company	0000-0220-8997-7772.000000 0000-0220-8997-7808.433849	2024	Solar	36

*RECs for Beijing and Shanghai were purchased together from China.

For all countries in the table above, iRECs, TIGRs, GOs and REGOs were sourced from renewable energy projects. For USA and Japan, in the table below, local types of renewable energy certificates (RECs and NFCs) were available, and therefore prioritised over iRECs, consistent with the GHG Protocol guidance[4]. Since Climate Active only accredits iRECs, GOs and REGOs, additional ACCUs were procured to offset electricity used in USA and Japan under Climate Active certification. This accounts for the 'International electricity' category in CBA's inventory.

Location	Consumption (MWh)	Certification types	Certificates purchased	Emissions (tCO_2-e)	ACCUs purchased
USA	738	REC	750	173.36	174
Japan	131	NFC	135	76.04	77
Total				**249.40**	

FY23 courier emissions

It was identified that an oversight occurred in the FY23 submission, resulting in the exclusion of courier emissions from Australia Post in the inventory. To rectify this, we have incorporated last year's emissions into this year's certification. We have acquired additional ACCUs to offset the FY23 courier emissions associated with Australia Post.

A total of 2,548 tCO2-e was added in this year's carbon inventory to correct last year's submitted emissions.

Identifier	Emission factor type	Emission category	Scope	GHG category	Activity data unit	Activity data	Total emissions (t CO2-e)
4023	Bespoke	Postage, courier and freight	Scope3	Purchased goods and services	t CO2e	2,548	2,548

[4] GHG Protocol scope 2 guidance, table 7.1, item 5.

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 (kg CO_2-e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	1,889,771	0	2%
Total non-grid electricity	**1,889,771**	**0**	**2%**
LGC purchased and retired (kWh) (including PPAs)	81,001,000	0	76%
GreenPower	0	0	0%
Climate Active certified - Precinct/Building (voluntary renewables)	3,437,488	0	3%
Climate Active certified - Precinct/Building (LRET)	791,705	0	1%
Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered)	0	0	0%
Climate Active certified - Electricity products (voluntary renewables)	0	0	0%
Climate Active certified - Electricity products (LRET)	0	0	0%
Climate Active certified - Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	309,276	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	78,101	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	18,648,675	0	18%
Residual electricity	-853	-776	0%
Total renewable electricity (grid + non grid)	**106,156,016**	**0**	**100%**
Total grid electricity	**104,265,392**	**0**	**98%**
Total electricity (grid + non grid)	**106,155,163**	**0**	**100%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**-853**	**-776**	
Scope 2	-760	-691	
Scope 3 (includes T&D emissions from consumption under operational control)	-94	-85	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**100.00%**
Mandatory	**18.39%**
Voluntary	**79.83%**
Behind the meter	**1.78%**
Residual scope 2 emissions (t CO_2-e)	**-0.69**
Residual scope 3 emissions (t CO_2-e)	**-0.09**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.00**
Total emissions liability (t CO_2-e)	**0.00**

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 (kg CO_2-e)**	**Scope 3 Emissions (kg CO_2-e)**	**(kWh)**	**Scope 3 Emissions (kg CO_2-e)**
ACT	417,208	417,208	283,702	20,860	0	0
NSW	74,897,832	74,897,832	50,930,526	3,744,892	0	0
SA	2,188,688	2,188,688	547,172	175,095	0	0
VIC	9,896,473	9,896,473	7,818,213	692,753	0	0
QLD	6,174,643	6,174,643	4,507,489	926,196	0	0
NT	336,867	336,867	181,908	23,581	0	0
WA	8,612,832	8,612,832	4,564,801	344,513	0	0
TAS	1,740,848	1,740,848	208,902	17,408	0	0
Grid electricity (scope 2 and 3)	**104,265,392**	**104,265,392**	**69,042,714**	**5,945,299**	**0**	**0**
ACT	9,295	9,295	0	0		
NSW	456,920	456,920	0	0		
SA	206,879	206,879	0	0		
VIC	633,204	633,204	0	0		
QLD	217,631	217,631	0	0		
NT	23,474	23,474	0	0		
WA	342,368	342,368	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	**1,889,771**	**1,889,771**	**0**	**0**		
Total electricity (grid + non grid)	**106,155,163**					

Residual scope 2 emissions (t CO_2-e)	**69,042.71**
Residual scope 3 emissions (t CO_2-e)	**5,945.30**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**66,166.86**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**5,733.84**
Total emissions liability (t CO_2-e)	**71,900.70**

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)
83456_201 SUSSEX ST, SYDNEY -(LH)	**996,111**	**0**
84510_1 HARBOUR ST - NTH BLDG	**1,034,913**	**0**
84526_11 HARBOUR ST - STH BLDG	**911,464**	**0**
85563_COMMONWEALTH BANK SQUARE	**1,286,704**	**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 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 and 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.

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
Retail sites: Base building	N	Y	N	N	N	**Size:** Emissions from base building of retail sites are immaterial **Influence:** CBA does not have full operational control over certain aspect of this category, but has some degree of influence here by implementing measures such choosing buildings with minimum weighted average of 4.5-Star NABERS Energy – Office Tenancies rating or international equivalent, and designing new retail branches with minimum of 5-Star Green Star ratings **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business **Outsourcing:** CBA has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary
Capital goods	N	N	N	N	N	**Size:** Embodied emissions for capital goods are immaterial **Influence:** CBA does not have operational control and does not have the potential to influence the emissions from this source, including by shifting to a different lower-emissions supplier for our business. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks, and it is unlikely to be of significant public interest. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider this a relevant source of emissions for our business **Outsourcing:** CBA has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary
Financed emissions	Y	N	N	N	N	**Size:** Though emissions related to financed emissions are material, they have not been included in CBA's emissions boundary. This approach is in line with other financial institutions that are Climate Active carbon neutral certified **Influence:** CBA has limited influence over financed emissions as compared to categories of emissions that have been included within CBA's emissions boundary; and financed emissions have been excluded from that boundary. This approach is in line with other financial institutions that are Climate Active carbon neutral certified

						Risk: There are no relevant laws or regulations that apply to limit emissions specifically from this source, however CBA recognises the risks in lending to projects that can impact climate change. CBA is continuously assessing risks in lending to projects that can have detrimental climate impact. **Stakeholders:** Financed emissions can be material, and we recognise the importance of supporting our customers to reduce their emissions through our overall approach to climate change. However, based on market practices regarding financed emissions, stakeholders are unlikely to expect financed emissions to be included within a Climate Active emissions boundary. **Outsourcing:** CBA has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary
Other purchased goods and services	Y	N	N	N	N	**Size:** Emissions from purchased goods and services are material. CBA has captured aspects of this category, including couriers, emissions from the production and distribution of our annual report and the use of copy paper. Other sub-categories are also being assessed for inclusion in future submissions. **Influence:** CBA does not have full operational control over certain aspects of this category. Nonetheless, CBA is aiming to influence this by measures such as adding contractual obligation to reduce emissions, and/or shifting to a different lower-emissions supplier. **Risk:** There are no relevant laws or regulations that apply to limit emissions specifically from this source, the source does not create supply chain risks. **Stakeholders:** Key stakeholders, including the public, are unlikely to consider the remaining unquantified goods and services as relevant source of emissions for our business **Outsourcing:** CBA has not previously undertaken this activity within our emissions boundary and comparable organisations do not typically undertake this activity within their boundary

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