



# **PUBLIC DISCLOSURE STATEMENT**

**CBRE PTY LTD**

**ORGANISATION CERTIFICATION  
CY2022**

Australian Government  
**Climate Active  
Public Disclosure Statement**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	CBRE Pty Ltd
REPORTING PERIOD	1 January 2022 – 31 December 2022
DECLARATION	<p><i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i></p> <p><i>Su-Fern Tan</i></p>
	Su-Fern Tan Head of ESG, CBRE Pacific 11/09/2023



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

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Version March 2023.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	4326 tCO <sub>2</sub> -e
OFFSETS USED	10% ACCUs, 90% VCUs
RENEWABLE ELECTRICITY	66%
CARBON ACCOUNT	Prepared by: CBRE Pty Ltd
TECHNICAL ASSESSMENT	Next technical assessment due: CY2024

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This carbon neutral certification is for the Australian operations of CBRE Pty Ltd for the reporting period 1 January 2022 – 31 December 2022.

CBRE Pty Ltd have defined the organisational boundary according to the NGER Act 2007, based on facilities under operational control within the Australian geographic boundary. CBRE's Australian business consists of wholly owned businesses with several "Pty Ltd" companies reporting up to one central management structure.

The organisation boundary consists of facilities controlled by CBRE Pty Limited and its Related Bodies Corporate comprising of CBRE (V) Pty Limited (ABN 15 083 694 357), CBRE (C) Pty Limited (ABN 64 003 205 552), CBRE (GCS) Pty Limited (ABN 13 127 372 329) and CBRE (RP) Pty Limited (ABN 92 127 174 207). All Australian offices (15 in total) are included in this reporting. See Appendix A for a full list of Australian offices.

### Organisation description

CBRE Group, Inc. (NYSE: CBG), a Fortune 500 and S&P 500 company headquartered in Los Angeles, is the world's largest commercial real estate services and investment firm (in terms of 2012 revenue). The Company has approximately 37,000 employees (excluding affiliates), and serves real estate owners, investors, and occupiers through more than 300 offices (excluding affiliates) worldwide. CBRE offers strategic advice and execution for property sales and leasing; corporate services; property, facilities, and project management; mortgage banking; appraisal and valuation; development services; investment management; and research and consulting. Please visit our website at [www.cbre.com](http://www.cbre.com).

CBRE Group, Inc manages a global business through several regions. The Pacific region consists of Australia and New Zealand and is managed from a head office in Sydney, Australia. Sustainability and carbon issues for the Pacific are managed by a regional Head of Sustainability (Pacific) who communicates regularly with the global CBRE Sustainability Steering Committee and various practice groups.

CBRE does not own any property in the Pacific region. It is a tenant in many locations across Australia and New Zealand. The footprint in this paper is regarding the tenancies that CBRE occupies in the Pacific region, not the properties which we manage for clients. Carbon neutral certification licencing is for CBRE Pty Limited (ABN 57 057 373 574).

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205 552), CBRE (GCS) Pty Limited (ABN 13 127 372 329) and CBRE (RP) Pty Limited (ABN 92 127 174 207). All Australian offices (15 in total) are included in this reporting.

List of CBRE's Australian offices included in this reporting:

State	City	Address
ACT	Canberra	Level 4, 2 Constitution Avenue, Canberra, ACT 2601
VIC	Melbourne	Level 33 & 34, 8 Exhibition Street, Melbourne, VIC 3000
VIC	Melbourne	161 Little Bourke Street, Melbourne, VIC 3000
NSW	Sydney	Levels 19, 20 & 21, 363 George Street, Sydney, NSW 2000
NSW	Botany	2B, 2-12 Lord Street, Botany, NSW 2019
NSW	Parramatta	Ground Floor & Level 5, 10-14 Smith St, Parramatta, NSW 2150
NSW	North Sydney	Level 29, 177 Pacific Highway, North Sydney NSW 2060
NSW	Sydney	Suite 24.03, Level 24, 56 Pitt Street, Sydney, NSW 2000
QLD	Brisbane	Level 2 & 3, Waterfront Place, 1 Eagle Street, Brisbane, QLD 4000
QLD	Cairns	Level 1, Village Lane, 20 Lake Street, Cairns, QLD 4870
QLD	Gold Coast	Level 18, 50 Cavill Avenue, Surfers Paradise, QLD 4217
QLD	Logan	Level 5, 3350 Pacific Highway, Springwood, QLD 4127
QLD	Sunshine Coast	Level 1, 17 Duporth Avenue, Maroochydore, QLD 4558
SA	Adelaide	Level 5, 151 Pirie Street, Adelaide, SA 5000
WA	Perth	Level 25, 250 St Georges Terrace, Perth, WA 6000

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
CBRE (V) Pty Limited	15 083 694 357	083 694 357
CBRE (C) Pty Limited	64 003 205 552	003 205 552
CBRE (GCS) Pty Limited	13 127 372 329	127 372 329
CBRE (RP) Pty Limited	92 127 174 207	127 174 207

# 3.EMISSIONS BOUNDARY

## Inside the emissions boundary

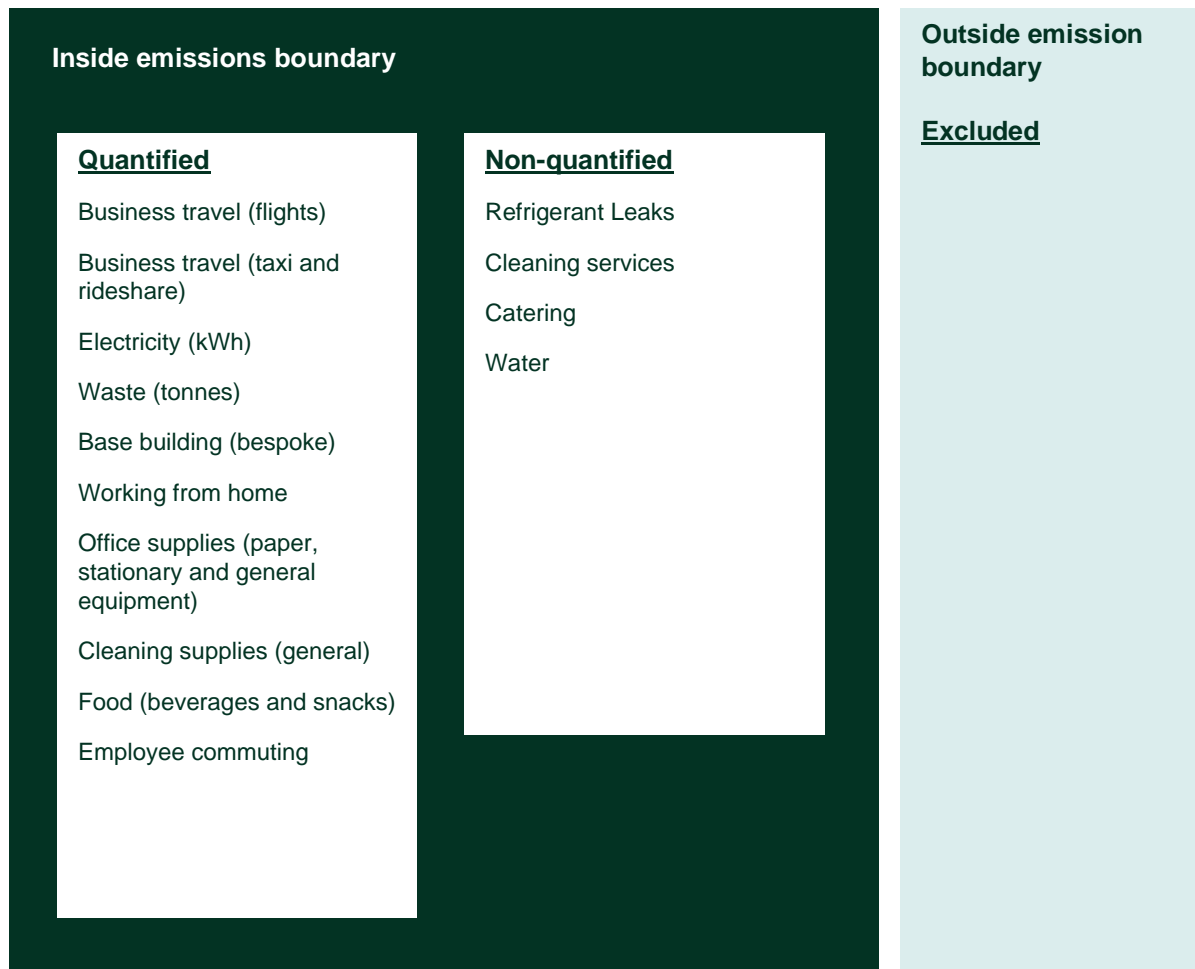
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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

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

## Outside the emissions boundary

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



## 4. EMISSIONS REDUCTIONS

### Emissions reduction strategy

#### CBRE Emissions Reduction Strategy (2035 Target)

Greenhouse gas emissions and energy consumption are important for CBRE to manage and mitigate across its operations. We aim to achieve ambitious carbon reduction targets to remain industry leaders, while also influencing the practices of our clients.

Globally, CBRE has committed to reducing Scope 1 and Scope 2 greenhouse gas emissions by 68% by 2035, from a base year of 2019<sup>1</sup>. This ambitious goal, which goes over and above other industry targets, is aligned to the United Nations' Paris Agreement to limit the global temperature rise to 1.5 degrees Celsius. CBRE is also committed to achieving 100% renewable electricity by 2025, which includes a company-wide transition to electric vehicles.

#### CBRE Net Zero Strategy (2040 Target)

CBRE Group, Inc. (NYSE: CBRE) announced its commitment to achieve net zero carbon emissions by 2040 on 20 September 2021<sup>2</sup>. This commitment encompasses carbon emissions from CBRE's own operations and the properties it manages for investors and occupiers, as well as indirect supply chain emissions.

As a part of its 2040 net-zero emissions strategy, CBRE signed The Climate Pledge, a commitment to achieving net-zero carbon 10 years ahead of the goal stated in the Paris Agreement. The Climate Pledge, co-founded by Amazon and Global Optimism, forms a cross-sector community of companies and organizations committed to net zero carbon by 2040, working together to take action to address the climate crisis and solve the challenges of decarbonizing our economy.

#### CBRE 100% Renewable Electricity

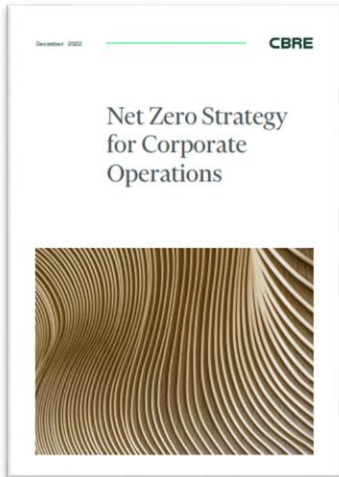
Electricity consumption from CBRE's Australian operations contributes up to 20% of our overall emissions each year. To counteract these greenhouse gas emissions, CBRE has committed to a 100% renewable energy contract with Red Energy<sup>1</sup>. Red Energy, the Australian owner and operator of Snowy Hydro, maintains the Snowy Mountains Hydroelectric Scheme. Our partnership with clean hydroelectricity is aligned with CBRE's science-based target aspirations to reduce scope 2 greenhouse gas emissions, which are released from the indirect consumption of an energy commodity. CBRE's Australian offices join several in Europe and the UK that are supplied by 100% renewable electricity.

CBRE is also committed to achieving 100% renewable electricity by 2025, which includes a company-wide transition to electric vehicles.

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<sup>1</sup> CBRE Pacific CSR Report 2020-21 [https://www.cbre.com.au/-/media/images/asia-pacific/australia/2021/esg/pacific-csr-report-2020\\_2021\\_final.pdf](https://www.cbre.com.au/-/media/images/asia-pacific/australia/2021/esg/pacific-csr-report-2020_2021_final.pdf)

<sup>2</sup> CBRE Commits to Net Zero By 2040 <https://www.cbre.com/press-releases/cbre-commits-to-net-zero-by-2040>



### CBRE Net Zero Strategy for Corporate Operations

CBRE released a Net Zero Strategy for Corporate Operations in December 2022 which describes the four pathways we will use to hit Net Zero.

<https://www.cbre.hr/-/media/project/cbre/dotcom/ceuk/serbia-emerald/about-us/corporate-responsibility/planet/cbre-net-zero-strategy-for-corp-ops-dec-2022.pdf>

### CBRE Pacific Sustainability Policy

CBRE Pacific has released a new Pacific Sustainability Policy in 2023 to further embed our commitment to sustainability. As a global market leader in real estate, CBRE recognises our ability to create positive social and environmental impact. We also recognise increasing expectations from investors, clients and our communities to deliver sustainable outcomes, and current and emerging regulatory requirements relating to sustainability performance.

The Policy follows the four Corporate Operations Pathways identified by CBRE Global Corporate Operations to achieve CBRE's publicly committed sustainability goals. They are buildings, procurement, energy and transport.

#### *Buildings Pathway*

	Item
4.1.1	<p><b>Energy Targets and Strategies - Tenancy</b></p> <ul style="list-style-type: none"> <li>• Larger CBRE offices (occupying more than 500 square meters) will participate in tracking energy consumption.</li> <li>• <i>Existing</i>, larger CBRE offices, starting in 2024, will achieve a minimum 5 Star NABERS Tenancy rating in Australia and 4 Stars in New Zealand</li> <li>• <i>New</i> CBRE offices larger than 500 sqm will achieve a 6-star NABERS Tenancy rating in Australia and for New Zealand, 5 Stars</li> </ul> <p>Future Goals</p> <ul style="list-style-type: none"> <li>○ By 2025 larger CBRE offices will achieve 6 Star NABERS Energy Tenancy ratings</li> <li>○ Frequency of tracking will be monthly as a minimum by 2025</li> </ul>
4.1.2	<p><b>Water Target and Strategies</b></p> <ul style="list-style-type: none"> <li>• Where consumption and/or billing data is available, larger CBRE offices will participate in water tracking</li> <li>• Where consumption and or billing data is available, all CBRE office tenancies will target a water reduction target of 5% annually, year on year using a 2022 base year</li> </ul> <p>Future Goals</p> <ul style="list-style-type: none"> <li>○ Where the base building participates, the CBRE tenancy will be a part of a NABERS Water certification</li> </ul>



	<ul style="list-style-type: none"> <li>Monthly water tracking by 2025</li> </ul>
4.1.3	<p><b>Waste Targets and Strategies</b></p> <ul style="list-style-type: none"> <li>All larger CBRE offices will participate in waste tracking commencing 2024</li> <li>From 2024 larger CBRE offices will target a 20% reduction to landfill every year.</li> <li>All CBRE offices will provide sorting bins and organising waste disposal for glass, aluminium, hard plastics, soft plastics (if available), and organic waste</li> <li>All major CBRE offices will follow the philosophy to first <i>Reduce</i>, secondly <i>Reuse</i> and lastly <i>Recycle</i></li> </ul> <p>Future Goals</p> <ul style="list-style-type: none"> <li>90% diversion from landfill by 2030 using a 2023 baseline</li> <li>Monthly waste tracking by 2025</li> </ul>
4.1.5	<p><b>Office Relocations</b></p> <p>Office relocations for larger CBRE offices will:</p> <ul style="list-style-type: none"> <li>Select a base building that is fully electrified i.e. no gas use – Australia only</li> <li>Select a base building with a minimum 5.5 Star NABERS Energy and minimum 5 Green Star rating. For NZ, this will be 4 NABERS Energy Stars</li> <li>Achieve a Green Star Fitout Certification of 5 Stars or more in Australia and aim for a 4 Green Star Fitout rating in New Zealand</li> <li>Achieve a NABERS 6 Star Energy Tenancy rating</li> <li>Preference building with access to Electric Vehicle charging and end-of-trip facilities</li> </ul> <p>Future Goals</p> <ul style="list-style-type: none"> <li>New CBRE office fitouts to target achievement of a 6 Star Green Star certification by 2025</li> </ul>

#### Energy Pathway

	Item
4.2.1	100% of electricity procured for corporate operations must be renewable by 2025

#### Transport Pathway

	Item
4.3.1	All CBRE purchased vehicles must be electric by 2035
4.3.2	Encourage use of sustainable modes of transport. This means Electric Vehicle charging and end-of-trip facilities to be considered during all office relocations.

#### Procurement Pathway

##### Packaging

	Item
4.4.1.1	Procurement activities will preference no packaging, then compostable or recyclable packaging for all products.
4.4.1.2	Procurement activities will preference packaging that maximises recycled materials or regenerative materials for all products.

### Furniture, Fittings & Equipment

	Item
4.4.2.2	Procurement activities will preference products that maximise recycled content. Where virgin raw materials are required, procurement activities will preference regenerative raw materials where available.
4.4.2.3	Procurement activities will preference products with circular and zero-waste life cycles (production to disposal).
4.4.2.4	Procurement activities will preference products from suppliers who ensure responsible recycling and disposal of equipment at end-of-useful-life. All procurement activities must provision for disposal of products at end-of-useful-life.

### Information and Communications Technology (ICT) Products

	Item
4.4.3.3	Procurement activities will preference ICT products that minimise resource consumption (such as energy) during operation.
4.4.3.4	Procurement activities will preference ICT products from suppliers who ensure responsible recycling and disposal of equipment at end-of-useful-life. All procurement activities must provision for disposal of products at end-of-useful-life.

### Stationery & Consumables

	Item
4.4.4.1	Procurement activities prohibit the purchase of single-use-plastic products.
4.4.4.2	Procurement activities will preference non-disposable alternatives to all single-use disposable products.
4.4.4.4	Procurement activities will preference products that maximise recycled content. Where virgin raw materials are required, procurement activities will preference regenerative raw materials where available.

### Merchandise

	Item
4.4.5.2	Procurement activities prohibit plastic merchandise.
4.4.5.3	Procurement activities will preference carbon neutral merchandise.

### Uniforms/Apparel

	Item
4.4.6.2	Procurement activities will preference uniforms made from sustainable textiles, including regenerative fibres or recycled synthetic fibres.
4.4.6.3	Procurement activities must provision for disposal of uniforms at end-of-useful-life.

### Gifting

	Item
4.4.7.2	Procurement activities will preference gifting of sustainable and ethically sourced gift items that support a circular (zero waste) economy

### Catering

	Item
4.4.9.1	Procurement activities will preference diverse and local suppliers for all catering requirements.

4.4.9.2	Procurement activities will preference the use of locally sourced ingredients for all catering requirements.
4.4.9.3	Procurement activities prohibits single-use plastic packaging or tableware. Where disposable packaging or tableware is used, procurement activities preference the use of biodegradable tableware.
4.4.9.4	Vegetarian and vegan options must be provided for all catering procurement activities.

## Emissions reduction actions

CBRE has committed to a 100% renewable energy contract with Red Energy in 2020. Red Energy, the Australian owner and operator of Snowy Hydro, maintains the Snowy Mountains Hydroelectric Scheme. The renewable energy contract covers a large percentage of the Scope 2 electricity emissions from CBRE offices with the remainder to be brought into the contract by 2025.

## 5. EMISSIONS SUMMARY

### Emissions over time

		Emissions since base year	
		Total tCO <sub>2</sub> -e (without uplift)	Total tCO <sub>2</sub> -e (with uplift)
Base year:	2010	3,732.5	N/A
Year 1:	2011	3,540.73	N/A
Year 2:	2012	3299.85	N/A
Year 3:	2013	2913	N/A
Year 4:	2014	2880	N/A
Year 5:	2015	3253.89	N/A
Year 6:	2016	3528.26	N/A
Year 7:	2017	4010.25	N/A
Year 8:	2018	7456.56	N/A
Year 9:	2019	6935.81	N/A
Year 10:	2020	2088.71	2402
Year 11:	2021	2078.53	2391
Year 12:	2022	4326.24	N/A

### Significant changes in emissions

Emission source name	Previous year emissions (t CO <sub>2</sub> -e)	Current year emissions (t CO <sub>2</sub> -e)	Detailed reason for change
<b>Base building emissions - CBRE leased proportion</b>	692.8	519.1	Some buildings improved their NABERS rating and 3 office buildings with CBRE tenancies are Climate Active Carbon Neutral certified for this reporting period.
<b>Long business class flights (&gt;3,700km)</b>	55.7	437.8	Recovery of business travel after COVID restrictions.
<b>Short economy class flights (&gt;400km, ≤3,700km)</b>	423.6	1121.6	Recovery of business travel after COVID restrictions.
<b>Medium Car: unknown fuel</b>	1.8	581.3	Estimates for staff commuting were included in this reporting period using the Climate Active activity data calculator which included this emissions source. Prior to 2022, staff commuting emissions were excluded

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

The Climate Active carbon neutral buildings below only affect the bespoke base building emissions source and not any tenancy electricity.

Certified brand name	Building used
The GPT Group	Ernst and Young Building, 8 Exhibition Street, Melbourne, VIC 3000
ARA	177 Pacific Highway, North Sydney, NSW 2060
Investa Property Group & Commonwealth Superannuation Corporation	250 St Georges Terrace, Perth, WA 6000

## Emissions summary

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

Emission category	Sum of Scope 1 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Bespoke	0.00	0.00	0.00	0.00
Cleaning and Chemicals	0.00	0.00	103.95	103.95
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Construction Materials and Services	0.00	0.00	0.00	0.00
Electricity	0.00	311.72	41.26	352.98
Food	0.00	0.00	55.31	55.31
Horticulture and Agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	0.00	0.00
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment & supplies	0.00	0.00	97.81	97.81
Postage, courier and freight	0.00	0.00	0.00	0.00
Products	0.00	0.00	0.00	0.00
Professional Services	0.00	0.00	0.00	0.00
Refrigerants	0.00	0.00	0.00	0.00
Roads and landscape	0.00	0.00	0.00	0.00
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary Energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary Energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	1908.72	1908.72
Transport (Land and Sea)	0.00	0.00	833.77	833.77
use for duplicates	0.00	0.00	0.00	0.00
Waste	0.00	0.00	63.50	63.50
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	391.11	391.11
Bespoke (upstream leased assets)	0.00	0.00	519.09	519.09
<b>Total</b>	<b>0.00</b>	<b>311.72</b>	<b>4014.51</b>	<b>4326.24</b>

In the CY21 reporting year, staff commuting was estimated using an uplift factor. In this CY22 reporting year, the uplift factor has been removed. The replacement is the assumption that 50% of all CBRE Australia staff commutes to the office 5 days a week for the whole year while 50% of all staff work from home all the time. The majority of CBRE Australia staff have access to flexible working conditions and work from home some of the time so this is considered a reasonable assumption prior to the implementation of a staff survey for more accurate statistics.

## **Uplift factors**

N/A

## 6. CARBON OFFSETS

### Offsets retirement approach

This certification has taken in-arrears offsetting approach. The total emission to offset is 4326 t CO<sub>2</sub>-e. The total number of eligible offsets used in this report is 4326. Of the total eligible offsets used, 0 were previously banked and 4326 were newly purchased and retired. 0 are remaining and have been banked for future use.

### Co-benefits

CBRE Australia has purchased a mix of carbon offset certificates including Australian Carbon Credit Units (ACCU) and Verified Carbon Units (VCU) supporting both local and international projects. In choosing the projects, we have considered our role in supporting both local and global communities and the associated co-benefits of the individual projects.

CBRE staff voted directly for the chosen projects from a shortlist selected for their environmental, social, and economic benefits to the community and their alignment with the United Nations Sustainable Development Goals (SDGs).

#### Revive the Reef - Australia

The Great Barrier Reef's water quality is under serious threat by land-based activities such as farming along the coastline. Water running off farms flushes fertilisers, pesticides and soil into rivers and onto the reef, with dire consequences for corals, sea grasses and marine wildlife.

These projects deliver the revegetation and protection of native forest, wetlands and woodlands throughout the catchments of the Great Barrier Reef. The investments have flow-on impacts for reducing nutrient run-off, one of the contributing factors to the crown-of-thorn starfish outbreak.

The projects also help to restore habitat for native plants and animals, while providing alternative sources of income for residents of rural communities.

#### Rainforest Rescue - Indonesia

The largest programme of its kind, the Katingan Mentaya Project protects vital peatland in Central Kalimantan Indonesia from being destroyed. These wetlands store large amounts of carbon naturally, and by conserving them, we prevent carbon dioxide from being released to the environment.

This also secures vital habitat for five critically endangered species including the Bornean Orangutan, Proboscis Monkey and Southern Bornean Gibbon. In partnership with 34 local villages, the project also builds community capacity and sustainable development through employment and education. By fostering inclusive partnerships and a culture of sustainability in local communities, the project serves to reduce poverty, enhance the well-being of communities and eliminate drivers of deforestation.

## Eligible offsets retirement summary

Offsets retired 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 retired (tCO <sub>2</sub> -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Catchment Conservation Alliance - Great Barrier Reef Initiative Site #3	ACCU	ANREU	17 Aug 2023	<a href="#">3,777,302,964 - 3,777,303,112</a>	2018-19		149	0	0	149	3.5%
Catchment Conservation Alliance - Great Barrier Reef Initiative Site #3	ACCU	ANREU	17 Aug 2023	<a href="#">SN3,777,303,113 - 3,777,303,396</a>	2018-19		284	0	0	284	6.5%
Katingan Peatland Restoration and Conservation Project	VCU	VERRA	17 Aug 2023	<a href="#">6359-303456674-303459137-VCU-016-APX-ID-14-1477-01012017-31122017-1</a>	2017		2464	0	0	2464	57%
Katingan Peatland Restoration and Conservation Project	VCU	VERRA	17 Aug 2023	<a href="#">6359-303479565-303480993-VCU-016-APX-ID-14-1477-01012017-31122017-1</a>	2017		1429	0	0	1429	33%
<b>Total eligible offsets retired and used for this report</b>										4,326	
<b>Total eligible offsets retired this report and banked for use in future reports</b>									0		

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Australian Carbon Credit Units (ACCU)	433	10%
Verified Carbon Units (VCUs)	3893	90%



## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A

## APPENDIX B: ELECTRICITY SUMMARY

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

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

Location-based method:

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

Market-based method:

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

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

Market-based approach	Activity Data (kWh)	Emissions (kg CO <sub>2</sub> -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	500,980	0	45%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	27,815	0	3%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	6,994	0	1%
Large Scale Renewable Energy Target (applied to grid electricity only)	199,458	0	18%
Residual Electricity	369,615	352,982	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>735,247</b>	<b>0</b>	<b>67%</b>
<b>Total grid electricity</b>	<b>1,104,861</b>	<b>352,982</b>	<b>67%</b>
<b>Total electricity (grid + non grid)</b>	<b>1,104,861</b>	<b>352,982</b>	<b>67%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>369,615</b>	<b>352,982</b>	
Scope 2	326,413	311,724	
Scope 3 (includes T&D emissions from consumption under operational control)	43,202	41,258	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>66.55%</b>
<b>Mandatory</b>	<b>18.69%</b>
<b>Voluntary</b>	<b>47.86%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>311.72</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>41.26</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>311.72</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>41.26</b>
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>352.98</b>

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

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	100%	(kWh)	Scope 2 Emissions (kgCO <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
ACT	37,522	37,522	27,391	2,251	0	0
NSW	457,045	457,045	333,643	27,423	0	0
SA	48,505	48,505	12,126	3,880	0	0
VIC	187,090	187,090	159,026	13,096	0	0
QLD	277,557	277,557	202,617	41,634	0	0
NT	0	0	0	0	0	0
WA	97,142	97,142	49,542	3,886	0	0
TAS	0	0	0	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>1,104,861</b>	<b>1,104,861</b>	<b>784,346</b>	<b>92,170</b>	<b>0</b>	<b>0</b>
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		
<b>Non-grid electricity (behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>1,104,861</b>					

Residual scope 2 emissions (t CO <sub>2</sub> -e)	784.35
Residual scope 3 emissions (t CO <sub>2</sub> -e)	92.17
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	784.35
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	92.17
<b>Total emissions liability</b>	<b>876.52</b>

### 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 <sub>2</sub> -e)
N/A	0	0
<p><i>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.</i></p>		

## Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO <sub>2</sub> -e)
N/A	0	0
<p><i>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.</i></p>		

# APPENDIX C: INSIDE EMISSIONS BOUNDARY

## Non-quantified emission sources

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

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

Relevant non-quantified emission sources	Justification reason
Refrigerant Leaks	<b>Immaterial:</b> CBRE only occupies a small proportion of the building. Therefore, emissions from refrigerant leaks are expected to be <1% of the total carbon inventory.
Cleaning services	<b>Immaterial:</b> Data is difficult to gather and makes a minimal impact to total emissions. These emissions are expected to be <1% of the total carbon inventory.
Catering	<b>Immaterial:</b> Difficult to capture accurate data and materiality of the overall impact is minimal. These emissions are expected to be <1% of the total carbon inventory.
Water	<b>Immaterial:</b> Data is difficult to gather and makes a minimal impact to total emissions. These emissions are expected to be <1% of the total carbon inventory.

## 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.



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



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