PUBLIC DISCLOSURE STATEMENT

JACKSON CLEMENTS BURROWS ARCHITECTS PTY LTD

ORGANISATION CERTIFICATION

FY2022–23

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Jackson Clements Burrows Architects Pty Ltd
REPORTING PERIOD	1 July 2022 – 30 June 2023 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.*  Graham Burrows Director 02 April 2024

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

Version August 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	188.9 tCO_2-e
OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	112.31%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	Date 11/12/23 Organisation: Pangolin Associates Next technical assessment due: FY27

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian business operations of Jackson Clements Burrows Architects. All emission scopes are accounted for, including direct and indirect fuel use, energy consumption of office operations, services provision, and employee travel.

The inventory has been prepared for the financial year from 1 July 2022 to 30 June 2023.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. The includes the following locations and facilities:

- 345 Swan Street, Richmond 3121 VIC

The methods used for collecting data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Has Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with “Method 1” from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO), methane (CH4), nitrous oxide (N2) and synthetic gases – hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF6) and nitrogen trifluoride (NF3). These have been expressed as carbon dioxide equivalents (CO2-e) using relative global warming potential (GWPs).

Organisation description

Jackson Clements Burrows Architects (‘JCB’, ABN: 92 072 854 883) is a Melbourne-based architectural practice of over 70 design professionals united by a shared commitment to the delivery of innovative design solutions.

Our experience covers a wide range of project types and scales and each project, large or small, is treated as a critical contributor to our collaborative studio environment.

Sustainability is an intrinsic part of what we do at JCB. We believe that every project should address the importance of social, cultural and environmental sustainability.

We recognise that in partnership with our clients we have a critical responsibility to the future of our communities and the environment through the built work that we leave behind. We encourage our clients to embrace this responsibility and the opportunities that it provides.

Our holistic approach to sustainability ensures that our architecture is appropriate to its location, connected with its occupants and kind to our planet.

In early 2020, JCB became an Australian Founding Signatory of the Architects Declare movement, making a commitment to go Carbon Neutral along with over 200 architectural practices around the globe. To ensure our words are matched by actions, we're committed to understanding and enhancing our own climate emissions performance and leading by example within our industry.

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.

Inside emissions boundary

Quantified

Electricity

Accommodation and facilities

Carbon neutral products and services

Cleaning and chemicals

Food

ICT services and equipment

Professional services

Office equipment and supplies

Postage, courier and freight

Refrigerants

Transport (air)

Transport (land and sea)

Waste

Water

Non-quantified

N/A

Optionally included

N/A

Outside emission boundary

Excluded

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

JCB's emissions reduction strategy will target four key areas: energy, travel, procurement and waste. A more detailed timeline of reduction targets will be developed over the next year, with a minimum 30% target reduction within the next 10 years, based on FY2019-20 baseline.

Energy

Approaches to reduce energy will focus on the hierarchy of energy efficiency, onsite renewable energy generation and offsite renewable energy generation. JCB will monitor and act on opportunities to reduce our energy use from office heating and cooling.

Our on-site rooftop PV system and battery storage provided approximately 30% of our electricity in this reporting period, with a similar amount exported to the grid. Our studio uses 100% Greenpower grid electricity, eliminating our Scope 2 emissions **resulting in us already achieving a targeted 100% reduction of scope 2 electricity emissions.**

Travel

Business flights, employee commute and staff travel made up an additional 22% of emissions in this reporting period. Emissions from travel increased in this reporting period (from ~15% in FY20) due to lifting Covid restrictions. Our direct fuel emissions have reduced with the purchase of a new electric studio vehicle, powered by renewable energy.

JCB continues to support working from home and videoconferencing to reduce travel emissions by 20% on FY20 by 2030. Our studio has dedicated cycle storage, lockers and shower facilities, and we continue to encourage staff to use car share, public transport, walk or cycle to reduce scope 3 emissions.

Procurement

The majority of JCB's emissions come from services provided by third parties where we have very limited control and visibility of emissions. While some of these emissions are difficult to reduce, we continue to review our suppliers to source Indigenous, local and carbon neutral where possible to reduce scope 3 emissions. Where possible we source carbon neutral paper from recycled or sustainable sources. JCB will also target food & catering to reduce consumption of emissions-intensive produce, instead sourcing seasonal and local foods.

JCB Architects is committed to an overall target to reduce emissions from third party services, including ICT Services (which contributed 24.3% of total emissions in FY20), by 30% by 2030.

Waste

JCB currently recycles paper, plastics and batteries and printer cartridges, and encourage our team to

return project samples to suppliers for re-use. We will seek further opportunities to reduce packaging, improve our waste collection streams and minimise landfill, thus scope 3 emissions. Our target is to reduce emissions from waste through the above measures by 10% by 2030.

Emissions reduction actions

In line with our emissions reduction strategy, emissions from electricity have been eradicated in FY23 due to:

- Solar generating for the whole of FY23. This includes a material export to the grid.
- GreenPower added to our energy supply agreements for grid consumption, which accounts for 100% of purchased electricity in FY23.

While our working from home emissions have significantly reduced, this has a correlating increase in travel, office supplies and IT services.

- Working from home has fallen to 4.79 (tCO2-e) from 20.03. This is because of an increased emphasis on collaboration in the studio. Because of this, other areas, namely transport and office supplies have increased.
- IT equipment has fallen to 1.99 (tCO2-e) from 27.62 as we are aiming to reduce new equipment purchases where possible.
- Outsourced printing has fallen to 0.0 (tCO2-e). We are encouraging clients to be paper-free as much as possible.
- Waste landfill has decreased marginally from 5.13 (tCO2-e) to 4.67 (tCO2-e). We aim to continue avoiding single-use and encourage reuse and recycling. We will also review options for green waste / composting.
- Software continues to be one of our largest emission sources, key to our business operations. Our ability to influence third-party suppliers and costs is limited.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e (without uplift)	Total tCO_2-e (with uplift)
Base year/ Year 1:	2019–20	266.29	N/A
Year 2:	2020-21	156.29	N/A
Year 3:	2021-22	137.34	N/A
Year 4	2022-23	188.80	N/A

Significant changes in emissions

Emission source name	Previous year emissions (t CO_2-e)	Current year emissions (t CO_2-e)	Detailed reason for change
Technical Services (Software)	23.127	76.262	Increased spend on software due to increased licencing costs and office demands

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

Certified brand name	Product/Service/Building/Precinct used
Reflex	Carbon Neutral Paper
Winc	Carbon Neutral Paper
Telstra	Carbon Neutral Telecommunication Services

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 (tCO_2-e)	Sum of scope 2 (tCO_2-e)	Sum of scope 3 (tCO_2-e)	Sum of total emissions (t CO_2-e)
Accommodation and facilities	0.00	0.00	0.68	0.68
Cleaning and Chemicals	0.00	0.00	5.48	5.48
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	12.04	12.04
ICT services and equipment	0.00	0.00	24.62	24.62
Office equipment & supplies	0.00	0.00	10.97	10.97
Postage, courier and freight	0.00	0.00	0.73	0.73
Professional Services	0.00	0.00	80.28	80.28
Refrigerants	3.16	0.00	0.00	3.16
Transport (Air)	0.00	0.00	6.04	6.04
Transport (Land and Sea)	1.34	0.00	33.17	34.51
Waste	0.00	0.00	4.67	4.67
Water	0.00	0.00	0.84	0.84
Working from home	0.00	0.00	4.79	4.79
Total emissions	**4.49**	**0.00**	**184.31**	**188.80**

Uplift factors

N/A

6.CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 188.9 t CO_2-e. The total number of eligible offsets used in this report is 189. Of the total eligible offsets used, 11 were previously banked and 178 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

The Bundled Solar Photovoltaic Project by ACME supports the implementation and installation of grid connected renewable solar energy power plants in India. The implementation of this project ensures energy security, diversification of the grid generation mix and sustainable growth of the electricity generation sector in India.

Co-benefits:

Social well-being: The project helps in generating employment opportunities during the construction and operation phases. The project activity will lead to development in infrastructure in the region like development of roads and also may promote business with improved power generation.

Economic well-being: The project is a clean technology investment in the region, which would not have been taken place in the absence of the VCS benefits the project activity will also help to reduce the demand supply gap in the state. The project activity will generate power using zero emissions Solar PV based power generation which helps to reduce GHG emissions and specific pollutants like SOx, NOx, and SPM associated with the conventional thermal power generation facilities.

Technological well-being: The successful operation of project activity would lead to promotion of Solar based power generation and would encourage other entrepreneurs to participate in similar projects

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_2-e)**	**Eligible quantity used for previous reporting periods**	**Eligible quantity banked for future reporting periods**	**Eligible quantity used for this reporting period**	**Percentage of total (%)**
Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL); stapled with Greenfleet Biodiversity credits	VCUs	VERRA	21/11/22	10788-248222876-248223024-VCS-VCU-259-VER-IN-1-173-01012014-31122014-0	2014	149	149	138	0	11	5.8
Bundled Solar Photovoltaic Project by ACME stapled with Greenfleet Biodiversity credits	VCUs	VERRA	14/12/2023	11045-274085420-274085467-VCS-VCU-997-VER-IN-1-1753-01022020-31122020-0	2020	48	48	0	0	48	25.4
Bundled Solar Photovoltaic Project by ACME stapled with Greenfleet Biodiversity credits	VCUs	VERRA	14/12/2023	9527-106418790-106418919-VCS-VCU-997-VER-IN-1-1753-01012019-31122019-0	2019	130	130	0	0	130	68.8
									Total eligible offsets retired and used for this report	189	
									Total eligible offsets retired this report and banked for use in future reports	0	

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	189	100

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

JCB has also purchased an additional 189 tonnes of biodiversity offsets through Greenfleet, 11 tonnes of this amount having been banked from a purchase of 149 last year. Greenfleet is a leading Australian not-for-profit environmental organisation on a mission to protect our climate by restoring forests. Greenfleet forests address critical deforestation, restore habitat for wildlife including many endangered species, capture carbon emissions to protect our climate, reduce soil erosion, improve water quality, and economically support local and indigenous communities.

Greenfleet

This is to certify

Jackson Clements Burrows Pty Ltd

offset 149.00 tonnes of CO_2-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.

Wayne Wescott | Greenfleet CEO

17/11/2022

Thank you

Greenfleet

This is to certify

Jackson Clements Burrows Pty Ltd

offset 178.00 tonnes of CO_2-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.

Wayne Wescott | Greenfleet CEO

13/12/2023

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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	47,218	0	35%
Total non-grid electricity	**47,218**	**0**	**35%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	89,496	0	65%
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)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	16,825	0	12%
Residual Electricity	-16,825	-16,068	0%
Total renewable electricity (grid + non grid)	**153,539**	**0**	**112%**
Total grid electricity	**89,496**	**0**	**78%**
Total electricity (grid + non grid)	**136,714**	**0**	**112%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**-16,825**	**-16,068**	
Scope 2	-14,859	-14,190	
Scope 3 (includes T&D emissions from consumption under operational control)	-1,967	-1,878	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**112.31%**
Mandatory	**12.31%**
Voluntary	**65.46%**
Behind the meter	**34.54%**
Residual scope 2 emissions (t CO_2-e)	**-14.19**
Residual scope 3 emissions (t CO_2-e)	**-1.88**
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 ($kgCO_2$-e)**	**Scope 3 Emissions ($kgCO_2$-e)**	**(kWh)**	**Scope 3 Emissions ($kgCO_2$-e)**
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	89,496	89,496	76,072	6,265	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
Grid electricity (scope 2 and 3)	**89,496**	**89,496**	**76,072**	**6,265**	**0**	**0**
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	47,218	47,218	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
Non-grid electricity (behind the meter)	**47,218**	**47,218**	**0**	**0**		
Total electricity (grid + non grid)	**136,714**					

Residual scope 2 emissions ($t CO_2$-e)	**76.07**
Residual scope 3 emissions ($t CO^2$-e)	**6.26**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) ($t CO_2$-e)	**76.07**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) ($t CO_2$-e)	**6.26**
Total emissions liability	**82.34**

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)
N/A	-	-

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

N/A

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

N/A

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