PUBLIC DISCLOSURE STATEMENT

JACKSON CLEMENTS BURROWS ARCHITECTS PTY LTD

ORGANISATION CERTIFICATION

FY2021-22

Australian Government

Climate Active
Public Disclosure Statement

Jackson Clements Burrows Architects

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY	Jackson Clements Burrows Architects Pty Ltd
REPORTING PERIOD	1 July 2021 – 30 June 2022 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 15 November 2022

Australian Government
Department of Industry, Science, Energy and Resources

Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement documents represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement document and disclaims liability for any loss arising from the use of the document for any purpose.
Version March 2022. To be used for FY20/21/CY2021 reporting onwards.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	138 tCO_2-e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	112.85%
TECHNICAL ASSESSMENT	17/11/2020 James Endean Pangolin Associates Next technical assessment due: FY2023

Contents

1. Certification summary....3
2. Carbon neutral information....4
3. Emissions boundary....6
4. Emissions reductions....8
5. Emissions summary....10
6. Carbon offsets....12
7. Renewable Energy Certificate (REC) Summary....14

Appendix A: Additional Information....15
Appendix B: Electricity summary....16
Appendix C: Inside emissions boundary....18
Appendix D: Outside emissions boundary....19

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 2021 to 30 June 2022.

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

"Climate Active provides a transparent assessment of our practice's carbon emissions, allowing us to identify targets for continuous and sustainable improvement."

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.

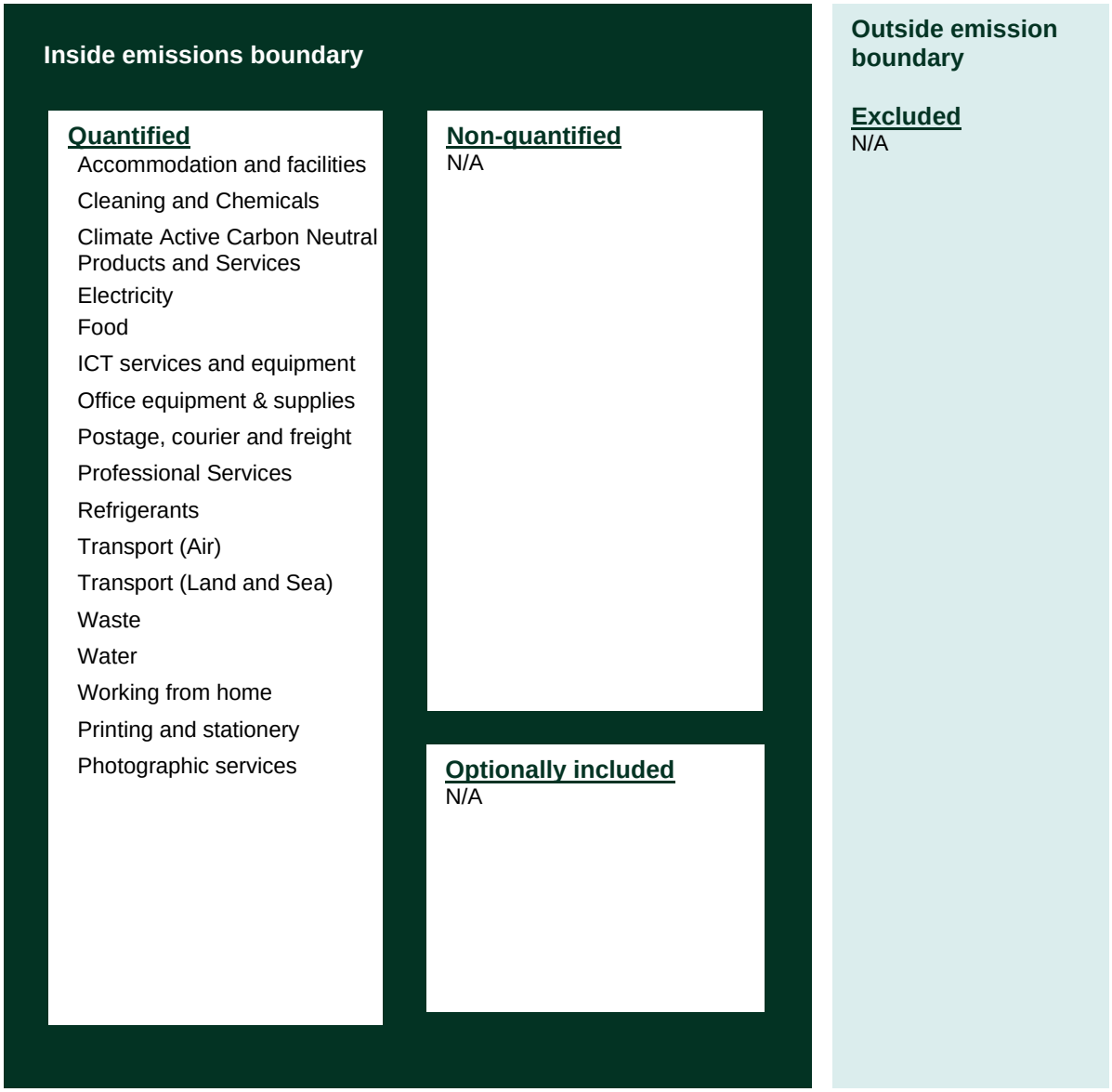
Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however are optionally included.

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 or precinct'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 emission sources in the boundary diagram below are as per the emissions categories in the emission summary table.



Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

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.

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.

Working from home accounted for 14.6% of overall emissions in this period. We will continue to educate our team on energy efficient measures, encourage rooftop solar and purchasing Greenpower to reduce scope 3 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 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. 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.

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.

Emissions reduction actions

During the FY22 reporting period JCB has undertaken the following actions to reduce our emissions:

- Continued to use 100% renewable energy and reduce energy consumption where possible.
- Reduce Scope 1 fuel emissions by investing in an electric car for studio use.
- Review our suppliers (including stationery and paper) to source from Indigenous, local and carbon neutral businesses where possible.
- Studio catering supplied by local businesses, including seasonal fruit and increased vegetarian and vegan foods.
- Educate our team to reduce our carbon footprint at home.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		
		Total tCO_2-e
Base Year/Year 1:	FY2019-20	266.29
Year 2:	FY2020-21	156.29
Year 3:	FY2021-22	137.34

Significant changes in emissions

JCB has achieved an overall 12% reduction in emissions from our previous reporting period. While our Scope 1 & 2 emissions have reduced, our scope 3 emissions have increased primarily due to Covid restrictions easing and our team returning to the studio. This is reflected in decreased emissions working from home and increase in travel and studio-based resources. Fluctuations in expenditure from year to year have resulted in changes to equipment and third party service categories, however are consistent in our overall emissions.

Emission source name	Current year (tCO_2-e)	Previous year (tCO_2-e)	Detailed reason for change
Computer and technical services	23.13	57.24	Decreased expenditure on software license subscriptions from previous reporting period.
Working from home Total	20.03	26.68	Decreased emissions working from home due to easing Covid restrictions

Use of Climate Active carbon neutral products and services

Purchases of carbon neutral paper were also made during FY2021-22 which has been accounted for within the inventory.

This assessment and Climate Active submission was prepared with the assistance of Pangolin Associates and these services are also carbon neutral.

Organisation 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 (tCO_2-e)
Accommodation and facilities	0.00	0.00	0.28	0.28
Cleaning and Chemicals	0.00	0.00	5.14	5.14
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	2.29	2.29
ICT services and equipment	0.00	0.00	56.88	56.88
Office equipment & supplies	0.00	0.00	5.13	5.13
Postage, courier and freight	0.00	0.00	0.17	0.17
Professional Services	0.00	0.00	2.73	2.73
Refrigerants	1.36	0.00	0.00	1.36
Transport (Air)	0.00	0.00	1.78	1.78
Transport (Land and Sea)	0.63	0.00	28.16	28.78
Waste	0.00	0.00	5.13	5.13
Water	0.00	0.00	0.42	0.42
Working from home	0.00	0.00	20.03	20.03
Printing and stationery	0.00	0.00	1.51	1.51
Photographic services	0.00	0.00	5.71	5.71
Total	**1.98**	**0.00**	**135.36**	**137.34**

Uplift factors

N/A

6.CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	138
3.	Total eligible offsets required for this report	138
4.	Total eligible offsets purchased and retired for this report	149
5.	Total eligible offsets banked to use toward next year's report	11

Co-benefits

Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL)
Vishnuprayag Hydro-electric Project - a run-of-the river project located across river Alaknanda in district Chamoli of Uttarakhand. The Project, utilising the waters of river Alaknanda, has an underground power station with an installed capacity of 400MW (4x100MW).

The purpose of the project is to harness renewable hydro power potential in Chamoli district of Uttarakhand and enable displacement of fossil fuel-based electricity generating systems. JPVL has established this run-of-the-river hydro power project and operates the project in the region.

The head works are located near Lambagarh, which is about 15 kms downstream of the holy 'Badrinath' Shrine and the power house is located near Joshimath town. The project is located in district Chamoli in the state of Uttarakhand in India. The nearest railhead is Rishikesh, which is about 280 kms from the project site. The road access to the project is through Rishikesh - Badrinath highway. The nearest airport is Dehradun, Uttarakhand.

Eligible offsets retirement summary

Offsets cancelled for Climate Active Carbon Neutral Certification											
Project description	**Type of offset units**	**Registry**	**Date retired**	**Serial number (and hyperlink to registry transaction record)**	**Vintage**	**Stapled quantity**	**Eligible quantity (tCO_2-e)**	**Eligible quantity used for previous reporting periods**	**Eligible quantity banked for future reporting periods**	**Eligible quantity used for this reporting period**	**Percentage of total (%)**
Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL); stappled with Greenfleet Biodiversity credits	VCUs	VERRA	21 November 2022	10788-248222876-248223024-VCS-VCU-259-VER-IN-1-173-01012014-31122014-0	2014	149	149	0	11	138	100%
									Total offsets retired this report and used in this report	138	
									Total offsets retired this report and banked for future reports	11	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	138	100%

7.RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

N/A

APPENDIX A: ADDITIONAL INFORMATION

JCB has also purchased an additional 149 tonnes of biodiversity offsets through Greenfleet, 11 tonnes being banked for future reporting periods. 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

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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.

Requirements for reporting for FY2020–21 onwards

- Mandatory dual reporting of electricity emissions, where required, applies to annual reports from calendar year 2021 and financial year 2020–21 onwards.

Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions ($kgCO_2e$)	Renewable Percentage of total
Behind the meter consumption of electricity generated	36,780	0	31%
Total non-grid electricity	**36,780**	**0**	**31%**
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	82,420	0	69%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	15,322	0	13%
Residual Electricity	-15,322	-15,245	-13%
Total grid electricity	**82,420**	**-15,245**	**69%**
Total Electricity Consumed (grid + non grid)	**119,200**	**-15,245**	**113%**
Electricity renewables	134,522	0	
Residual Electricity	-15,322	-15,245	
Exported on-site generated electricity	**31,300**	**-22,849**	
Emissions (kgCO2e)		0	

A minus Residual Electricity Emissions in $kgCO_2e$ rounds to zero because the negative emissions can only be used to reduce electricity consumption emissions.
See electricity accounting rules for further information

Total renewables (grid and non-grid)	**112.85%**
Mandatory	**12.85%**
Voluntary	**69.14%**
Behind the meter	**30.86%**
Residual Electricity Emission Footprint (TCO_2e)	**0**

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions ($kgCO_2e$)	Scope 3 Emissions ($kgCO_2e$)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	82,420	75,002	8,242
QLD	0	0	0
NT	0	0	0
WA	0	0	0
TAS	0	0	0
Grid electricity (scope 2 and 3)	**82,420**	**75,002**	**8,242**
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	36,780	0	0
QLD	0	0	0
NT	0	0	0
WA	0	0	0
TAS	0	0	0
Non-grid electricity (Behind the meter)	**36,780**	**0**	**0**
Total Electricity Consumed	**119,200**	**75,002**	**8,242**

Emission Footprint (TCO_2e)	**83**
Scope 2 Emissions (TCO_2e)	75
Scope 3 Emissions (TCO_2e)	8

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions ($kgCO_2e$)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

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

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

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A				

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A						

An Australian Government Initiative

Climate Active