PUBLIC DISCLOSURE STATEMENT

JACKSON CLEMENTS BURROWS ARCHITECTS PTY LTD

ORGANISATION CERTIFICATION

FY2020-21

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 2020 – 30 June 2021

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.

Signature 

Date 11 February 2022

Name of Signatory Graham Burrows

Position of Signatory Director

Australian Government
Department of Industry, Science, Energy and Resources

Version number February 2021

1. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian business operations of Jackson Clements Burrows Architects ('JCB', ABN: 92 072 854 883). All emission scopes are accounted for, including direct and indirect fuel use, energy consumption of office operations, services provision, and employee travel.

Organisation description

JCB 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.

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

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.

2. EMISSION BOUNDARY

Diagram of the certification boundary

Quantified

Electricity

Telecommunications

Water

Waste

Paper

Printing & Stationery

Staff Commuting

Working From Home

Business Flights

Travel accommodation

Transport Fuels

Tax & Rideshare

Cleaning Services

Food & Catering

Postage & Couriers

Photography Services

IT Services & Software

Advertising

Refrigerant

Non-quantified

Office furniture

IT Equipment

Excluded

n/a

Non-quantified sources

No major purchases of office furniture of IT equipment were made in FY21, and so are not material to this year's assessment.

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

"As a Climate Active organisation, we are achieving our net zero carbon emissions goal, while supporting projects for positive environmental, social and economic change."

3. EMISSIONS SUMMARY

Emissions reduction strategy

JCB's emissions reduction strategy will target three key areas: energy, travel and procurement. Combined these areas cover over 99% of overall emissions. A more detailed timeline of reduction targets will be developed over the next two years.

Energy

Over a quarter of JB's emissions come from energy used at the office and at home. Approaches to reduce energy will focus on the hierarchy of energy efficiency, onsite renewable energy generation and offsite renewable energy generation. The table below details the strategy for electricity at JCB's office as well as for staff working from home.

Table 1

Emission Source	Energy Efficiency	On-Site Renewables	Off-Site Renewables
Office Electricity	Reduce office mechanical heating & cooling demands, through prioritizing passive measures and BMS monitoring	Solar PV with battery storage & grid feed-in installed to new offices. Monitor output & peak loads to reduce grid electricity use where possible.	Grid provider with 100% Green Power by end 2020 - **COMPLETED**
Working from Home	Educate staff about insulation, efficient appliances, passive design and behaviour changes.	Encourage staff with the means to install their own rooftop solar systems.	Provide information to staff on the benefits of purchasing Green Power

Travel

Business flights, employee commute and staff travel made up an additional 14% of emissions (in a standard year). JCB will seek to reduce travel where possible by prioritising video conferencing. To improve employee commute emissions, JCB will encourage car share, public transport, cycling or walking where possible. For those who travel large distances by car, working from home will be supported as an alternative arrangement.

Procurement

The vast majority of remaining emissions come from services provided by third parties where JCB has very limited control and visibility of their emissions. While some of these emissions are difficult to reduce, JCB already purchases carbon neutral paper and will continue to seek out carbon neutral suppliers. In time this will help to reduce emissions associated with software and other services. JCB will also target food & catering by looking to reduce packaging; recycle where possible and reduce consumption of emissions-intensive produce, instead sourcing locally, and reducing meat & processed foods.

Paper

Ensure that where possible, all purchased paper is derived from sustainable sources.

Waste

Conduct waste audits, investigate ways to measure waste volumes more accurately, and optimise waste diverted from landfill.

Emissions over time

The following changes were noted in our inventory from FY21 and FY20 (our base year)

- Working From Home emissions increased by 75% due to prolonged COVID19 stay-at-home order during FY21
- Photography – spend on photographic services has almost doubled from FY20 to FY21
- Office furniture – a fit-out occurred in FY20 and so this has resulted in a reduction of 31 tonnes between reporting periods
- Telecommunications – Emissions increased by 16% (1.4 tonnes) to support our employees in working from home more effectively
- Printing & Stationery – Emissions decreased by 31% (5.5 tonnes) due to COVID related demand.
- Cleaning Services – Emissions decreased by 14% (1.4 tonnes) due to COVID related demand.

Table 2

Emissions since base year		
	Base year: 2019-20	Current year 2020-21
Total tCO_2-e	267	157

Emissions reduction actions

In line with our emissions reduction strategy, emissions from electricity have almost been eradicated in FY21 due to:

- Solar generating for the whole of FY21. This includes a material export to the grid.
- GreenPower added to our energy supply agreements during FY21 for grid consumption, which will account for 100% of purchased electricity in FY22.

Emissions summary (inventory)

Table 3

Emission source category	tonnes CO_2-e
Accommodation and facilities	0.10
Air Transport (km)	0.94
Bespoke	7.66
Carbon neutral products and services	0.00
Cleaning and Chemicals	8.76
Electricity	0.21
Food	3.71
ICT services and equipment	67.02
Land and Sea Transport (fuel)	0.74
Land and Sea Transport (km)	15.83
Office equipment & supplies	12.60
Postage, courier and freight	0.36
Professional Services	8.91
Waste	2.76
Water	0.03
Working from home	26.68
Total Net Emissions	**156.29**

Uplift factors

Table 4

Reason for uplift factor	tonnes CO_2-e
N/A	
Total footprint to offset (uplift factors + net emissions)	**156.29**

Carbon neutral products

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

Purchases of carbon neutral paper were also made during FY21 which has been accounted for within the inventory.

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary
Table 5

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	Renewable %
Behind the meter consumption of electricity generated	45,764	0	39%
Total non-grid electricity	**45,764**	**0**	**39%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	40,458	0	34%
Jurisdictional renewables	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	13,541	0	12%
Residual Electricity	17,554	18,837	0%
Total grid electricity	**71,553**	**18,837**	**46%**
Total Electricity Consumed (grid + non grid)	**117,317**	**18,837**	**85%**
Electricity renewables	99,763	0	
Residual Electricity	17,554	18,837	
Exported on-site generated electricity	**23,878**	**-18,625**	
Emission Footprint ($kgCO_2$-e)		212	

Emission Footprint (tCO_2-e)	**0**
LRET renewables	**11.54%**
Voluntary Renewable Electricity	**39.01%**
Total renewables	**85.04%**

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

Location-based approach summary
Table 6

Location-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)
Vic	71,553	77,993
Grid electricity (scope 2 and 3)	**71,553**	**77,993**
Vic	45,764	0
Non-grid electricity (Behind the meter)	**45,764**	**0**
Total Electricity Consumed	**117,317**	**77,993**

Emission Footprint (tCO_2-e)	**78**

4. CARBON OFFSETS

Offsets strategy

Table 7

Offset purchasing strategy: In arrears	
1. Total offsets previously forward purchased and banked for this report	0
2. Total emissions liability to offset for this report	157
3. Net offset balance for this reporting period	157
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	157

Co-benefits

400 MW Vishnuprayag Hydroelectric project based in Uttarakhand Chamoli District, India, stapled with Australian vegetation offsets.

The Vishnuprayag Hydroelectric Project has an underground power stations with an installed capacity of 400 MW. The project contributes strongly to the sustainable development of the region and surrounding by reducing air borne pollutants, such as oxides of nitrogen, oxides of sulphur, carbon monoxide and particulates, through a reduction in the combustion of fossil fuels.

Through the stapled offset mechanism, JCB Architects has purchased an additional 157 tonnes of biodiversity offsets through Greenfleet. 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.

TBC

Offsets summary

Proof of cancellation of offset units

Table 8

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**	**Eligible Quantity (tCO_2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
Vishnuprayag Hydro-electric Project (VHEP) by Jaiprakash Power Ventures Ltd.(JPVL) stapled with Greenfleet forestry offsets.	VCUs	Verra	29/10/2021	10593-230773493-230773649-VCS-VCU-259-VER-IN-1-173-01012013-31122013-0	2013	157	0	0	157	100%
									Total offsets retired this report and used in this report	157
									Total offsets retired this report and banked for future reports	0
Additional offsets cancelled for purposes other than Climate Active Carbon Neutral certification										
Project description	**Type of offset units**	**Registry**	**Date retired**	**Serial number (and hyperlink to registry transaction record)**	**Vintage**	**Eligible Quantity (tCO_2-e)**	**Purpose of cancellation**			
N/A										

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	157	100%

5. USE OF TRADE MARK

Table 9

Description where trademark used	Logo type
Marketing Collateral	Certified Organisation
Submissions	Certified Organisation
Website	Certified Organisation

6. ADDITIONAL INFORMATION

N/A

APPENDIX 1

Excluded emissions

To be deemed relevant an emission must meet two of the five relevance criteria. Excluded emissions are detailed below against each of the five criteria.

Table 10

Relevance test					
Excluded emission sources	*The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions*	*The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.*	*Key stakeholders deem the emissions from a particular source are relevant.*	*The responsible entity has the potential to influence the reduction of emissions from a particular source.*	*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.*
N/A					

APPENDIX 2

Non-quantified emissions for organisations

Table 11

Non-quantification test				
Relevant-non-quantified emission sources	*Immaterial <1% for individual items and no more than 5% collectively*	*Quantification is not cost effective relative to the size of the emission but uplift applied.*	*Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.*	*Initial emissions non-quantified but repairs and replacements quantified*
Office Furniture	Yes	No	No	No
IT Equipment	Yes	No	No	No

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