



PUBLIC DISCLOSURE STATEMENT

BOWER ARCHITECTURE PTY LTD

**SMALL ORGANISATION CERTIFICATION
FY2020-21**

Australian Government
Climate Active
Public Disclosure Statement

bower



NAME OF CERTIFIED ENTITY: Bower Architecture Pty Ltd

REPORTING PERIOD: Financial year 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

15.11.21

Name of Signatory

Anna Dutton

Position of Signatory

Architect Director



Australian Government

**Department of Industry, Science,
Energy and Resources**

Public Disclosure Statement documents are prepared by the submitting organisation. The material in 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 documents and disclaims liability for any loss arising from the use of the document for any purpose.
Version number February 2021



1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2020 to 30 June 2021 and covers the Australian business operations of Bower Architecture Pty Ltd, ABN: 12 113 273 448.

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. This includes the following locations and facilities:

- 3D/26 Wellington Street, Collingwood 3066 VIC

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

- Climate Active Standards
- The Greenhouse Gas 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 (CO₂), methane (CH₄), nitrous oxide (N₂O) 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 potentials (GWPs) as specified in the 2014 IPCC Assessment Report 5 with a 100 year horizon.

“As Architects we are conscious of the impact we have on the environment and by being certified under Climate Active demonstrates transparency in our commitment to paving the way for a cleaner future.”

Organisation description

Bower Architecture is a Melbourne architecture and interior design practice formed in 2005 and led by Architect Directors Chema Bould and Anna Dutton.

We strive to create timeless places that are loved by our clients and those who experience them. We maximise every opportunity, revealing smart, memorable spaces that inspire, challenge, engage and excite.

Many clients are drawn to us because of our approach to sustainability. Sustainability is integral to all of our projects and we discuss it from the very beginning with our clients.

For us, sustainability starts with building quality that lasts the long term. A building that is used and loved for over 50 years is a sustainable building. Building from this foundation, we plan our buildings to make the most of natural light and processes such as natural ventilation and passive heating and cooling. We carefully plan shading and thermal mass to create stable indoor temperatures while also maximising efficiency and minimising waste in terms of space and materials. Maximising durability and using local, sustainably and ethically sourced materials and products whenever possible is a given. Most of our projects feature solar power and batteries and if clients are keen to go further, we can assist them with other choices like eliminating reliance on natural gas (a non-renewable resource), choosing certified Green Power or making their project carbon neutral. All these steps aim to significantly reduce or even eliminate the long-term lifespan energy costs to our clients and the environment.

Bower Architecture has been proudly carbon neutral since financial year 2019 and we commit to have all our new projects and major renovations to be carbon neutral by 2030.

2. EMISSION BOUNDARY

Diagram of the certification boundary

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary.



Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

“We strive to educate our clients and peers about our responsibility towards climate change. By being certified by Climate Active we put our best foot forward to meet Australia’s 2030 Carbon emission reduction target.”

3. EMISSIONS SUMMARY

Emissions reduction strategy

Bower Architecture will be targeting three main areas of our carbon emission: travel, energy and equipment procurement, but will also aim at addressing other aspects of the business which will help reduce our carbon footprint. Bower commits to developing a detailed emission reduction strategy over the next two years.

Some of the emissions reduction strategy involves:

- Bower's main sources of emission for FY20/21 resulted in the procurement of IT equipment for staff to work from home. In the future all the main equipment that will be purchased will need to be from carbon neutral certified suppliers or equivalent.
- Adopting a paperless office through a digital markup software.
- Reducing work related travel, encouraging shared rides to site and encouraging staff to use public transport to get to and from work.
- Educating staff about reducing energy consumption and switching to a green energy provider at home.
- Commit to use Carbon Neutral Certified products as much as possible.
- Promote ourselves as a Certified Carbon Neutral organisation and encourage clients, consultants, and the broader community to adopt similar approach for a sustainable future.
- Support Bower's team to attend sustainable focused webinars and conferences to learn how others are addressing the Emission reduction strategies.
- Constantly evolving our internal office operations and procedures to lighten our Carbon footprint and better align with Australia's 2030 vision.

Emissions summary (inventory)

Table 1

Emission source category	tonnes CO ₂ -e
Cleaning and Chemicals	0.38
Electricity	0.00
ICT services and equipment	11.53
Land and Sea Transport (fuel)	1.39
Land and Sea Transport (km)	3.42
Office equipment & supplies	2.90
Professional Services	2.63
Refrigerants	0.01
Waste	0.13
Water	0.0002
Working from home	6.68
<i>Total Net Emissions</i>	29.08

Uplift factors

Table 2

Reason for uplift factor	tonnes CO ₂ -e
Mandatory 5% Small Organisation Uplift	1.5
<i>Total footprint to offset (uplift factors + net emissions)</i>	30.5

Carbon neutral products

100% recycled A4 Reflex paper was used by Bower Architecture in FY2020-21.

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

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary

Table 3

Market Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	5,599	0	93%
Jurisdictional renewables (LGCs retired)	0	-	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	1,139	0	19%
Residual Electricity	-720	-772	-12%
Total grid electricity	6,018	-772	100%
Total Electricity Consumed (grid + non grid)	6,018	-772	112%
Electricity renewables	6,738	0	
Residual Electricity	-720	-772	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ e)		0	

A minus Residual Electricity Emissions in kgCO₂e 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)	111.96%
Mandatory	18.93%
Voluntary	93.04%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO₂e)	0

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

Location-based approach summary

Table 4

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ e)
VIC	6,018	6,560
Grid electricity (scope 2 and 3)	6,018	6,560
VIC	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	6,018	6,560

Emission Footprint (tCO₂-e)	7
---	----------

4. CARBON OFFSETS

Offsets strategy

Table 5

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	31
3. Net offset balance for this reporting period	31
4. Total offsets to be forward purchased to offset the next reporting period	0
Total offsets required for this report	31

Co-benefits

150 MW grid connected Wind Power based electricity generation project in Gujarat, India.

The main purpose of the project is to generate renewable electricity using wind power and feed the generated output to the local grid in Gujarat, contributing to climate change mitigation efforts. In addition to the generation of renewable energy-based electricity, the project has also been conceived to enhance the propagation of commercialisation of wind power generation in the region and to contribute to the sustainable development of the region, socially, environmentally and economically. The proposed project activity leads to alleviation of poverty by establishing direct and indirect employment benefits accruing out of infrastructure development of wind farms, installation work, operation and management of wind farm, providing daily needs, etc. The infrastructure in and around the project area will also improve due to project activity. This includes development of road network and improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid. The generated electricity is fed into the Western regional Grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

Offsets summary

Proof of cancellation of offset units

Table 6

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 (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India - stapled with Greenfleet credits	VCUs	Verra	17 Aug 2021	9085-66624917-66624941-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017	25	0	0	25	81%
150 MW grid connected Wind Power based electricity generation project in Gujarat, India - stapled with Greenfleet credits	VCUs	Verra	17 Aug 2021	9085-66624892-66624916-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017	1	0	0	1	3%
150 MW grid connected Wind Power based electricity generation project in Gujarat, India - stapled with Greenfleet credits	VCUs	Verra	12 Oct 2021	9085-66629457-66629461-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017	5	0	0	5	16%
Total offsets retired this report and used in this report									31	
Total offsets retired this report and banked for future reports								0		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	31	100%

5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
Marketing Collateral	Certified Organisation
Submissions	Certified Organisation
Bower Architecture Website	Certified Organisation
Email signatures	Certified Organisation

6. ADDITIONAL INFORMATION

Bower Architecture Pty Ltd has also purchased 31 tonnes of biodiversity offsets through Greenfleet for FY2020-21, certificate below. 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.



October 2021

This is to certify

Bower Architecture & Interiors

has offset 55 tonnes of CO₂-e with Greenfleet plus 55 carbon credits via Climate Active.

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

Thank you

Greenfleet Australia ABN 22 095 044 465 as corporate trustee on behalf of the Greenfleet Trust ABN 86 693 237 685 Greenfleet Australia is a Corporate Authorised Representative of Greenfleet (AFSL) Pty Ltd ABN 35 159 984 308, AFSL 4275652 Level 4, 5/17 Henders Lane Melbourne VIC 3000 | PO Box 16011 Collins Street West VIC 3007
Free Call 1800 032 999 T +613 9642 0570 E info@greenfleet.com.au www.greenfleet.com.au

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 8

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

N/A

APPENDIX 2

Non-quantified emissions for organisations

Table 9

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

N/A



An Australian Government Initiative

