



PUBLIC DISCLOSURE STATEMENT

WITH_ARCHITECTURE STUDIO

ORGANISATION CERTIFICATION
FY2020–21

Australian Government

Climate Active Public Disclosure Statement

with_architecture
studio



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	With_Architecture Studio
REPORTING PERIOD	Financial year 1 July 2020 – 30 June 2021 Arrears report
DECLARATION	<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>
	Jane Wetherall Director



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

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Version September 2021. To be used for FY20/21 reporting onwards.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	47 tCO ₂ -e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	88%
TECHNICAL ASSESSMENT	19 November 2020 Chris Wilson Pangolin Associates Next technical assessment due: FY2022-23 certification

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2. CARBON NEUTRAL INFORMATION

Description of certification

This Carbon Neutral Certification covers all business operations of With_Architecture Studio, ABN 59 169 698 373.

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). No synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) or Nitrogen Trifluoride (NF₃) were detected within the operational boundary. These have been expressed as carbon dioxide equivalents (CO₂-e) using relative global warming potentials (GWPs).

Organisation description

With Architecture Studio (With Studio), ABN 59 169 698 373, is a design-led practice committed to delivering distinctive and functional spaces that yield engaging experiences and create lasting value for client and community. We take pride in responsible design that shows leadership and helps to create places that inspire and enable people. Our best work is achieved through collaborative teamwork.

Established in Perth in 1985, we have over 30 years of extensively published and awarded commissions spanning the disciplines of architecture, master planning, interior architecture, urban design, graphic design, and public art. Our expertise spans institutional and civic architecture, commercial developments, technical and education buildings, learning environments and campus planning, hospitality and tourism, multi-residential architecture, arts buildings, heritage adaptation, urban design, masterplanning, and

"We are dedicated to being a progressive driver for sustainable development for our clients, our partners, and the users of our buildings. Being Australia's first certified carbon neutral architectural practice allows us to lead by example."

development guidelines.

With Studio is a mid-sized design studio of 20 professionals based in Perth, Western Australia. With open discourse and design prototyping that draws on evidence and experience, our team is constantly improving while remaining committed to the practice of architecture as a people focused, place lead collaborative enterprise. This approach underpins our reputation as a creative architecture studio with an impressive portfolio of built projects. The studio's commitment to design excellence is acknowledged through industry awards and publications that have earned us national and international recognition.

Our studio is dedicated to sustainable development within our own business, and for our clients and partners. We are proud to have achieved the nation's first green star rated multi-residential design awarded by the Green Building Council of Australia and to have been part of the team to deliver the Greater Curtin Masterplan, the first project to receive a five-star Green Star Communities rating. All recent education projects have achieved a four-star Green Star rating equivalent.

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.

Inside emissions boundary		Outside emission boundary
<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
Land and Sea Transport	N/A	Base building services
Office equipment & supplies		
ICT services and equipment		
Waste		
Food		
Electricity		
Cleaning and Chemicals		
Postage, courier and freight		
Water		
Working from home		
Paper		

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

With Architecture Studio's emissions reduction strategy involves:

- Measuring and reporting on our energy consumption and carbon footprint annually
- Acting on opportunities to reduce our emissions by improving operational efficiencies, investing in technological innovation, and reducing our resource consumption.
- Promoting our commitments to our partners, consultants, and suppliers to encourage sustainable change within the industry above and beyond our own business. Specifying local, sustainable, responsible products and materials as a priority.
- Educating and engaging our staff, student interns, clients, and contractors to minimize their impacts both at work and at home.
- Interlocking our emissions reduction strategy with our QA and management procedures to ensure implementation and commitment on every level

Planned reduction measures include:

For immediate implementation, within the next reporting period

- Implement a multi-stream waste and recycling program for the studio to increase the extent of recycling
- Roll out an in-house materials library to assist staff with specifying local, sustainable products and materials on our projects
- Create an in-house Sustainability Committee to promote initiatives within the studio and champion sustainable practices within our projects.
- Review our supply chain for office supplies and maximize carbon neutral products

Implementation within 2 to 5 years

- Find ways to incentivize staff to increase uptake of public transport for their commute
- Further improve digital/paperless design and documentation processes, with better methods to analyze/measure outcomes
- Promote and educate our clients, student interns and staff in carbon neutral building design such that within 5 years carbon neutral building design has been integrated into our mainstream architectural offering

Emissions reduction actions

Actions undertaken during this reporting period include:

- Commencing 100% Green Power from October 2020
- Introducing hand towels to staff bathrooms to reduce paper towel consumption.
- Completing a Government Business Entrepreneur's Programme to review, identify and implement measures to improve business efficiencies with a focus on technological and digital interfaces to support and improve our paperless workflows.
- Embracing Virtual Reality during the design process to reduce reliance on printing
- Although digital work processes are encouraged, our multi-function printer continues to have dedicated trays for used A4/A3 paper so that both sides are printed on before being recycled.
- And if paper is required, we use carbon neutral certified paper

In addition to the above measures aimed at reducing With Architecture Studio's organizational carbon footprint, we continue to advocate for improved sustainability and carbon neutral buildings in our community. To this end we have

- become signatories to the Architect's Declare movement; 'committing to strengthen our working practices to create architecture and urbanism that has a more positive impact on the world around us'
- engaged in public speaking to further community awareness around carbon neutral organizations and buildings.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year / Year 1:	2015–16	75.2
Year 2:	2016–17	72.5
Year 3:	2017–18	75.2
Year 4:	2018–19	52.1
Year 5:	2019–20	55.2
Year 6:	2020–21	46.0

Significant changes in emissions

Emissions from Electricity, along with Printing and Stationary both dropped as a result of implementing With_Architecture's reduction strategy. Electricity was transitioned to GreenPower during the reporting period. Ongoing efforts to transition from print to digital media led to the latter reduction.

Changes in working arrangements due to COVID-19 restrictions over the two periods led to a rise in commuting this financial year, and less investment in equipment used for working-from-home.

Some emissions went up due to increased initiatives for employee wellbeing.

Emission source	Previous reporting period		This reporting period		% change from previous year activity data	% Contribution to inventory	Detailed reason for change
	Activity Data	Total Emissions (kg CO ₂ e)	Activity Data	Total Emissions (kg CO ₂ e)			
Electricity (kg CO ₂ e)	20,117.6	20,117.6	4,242.5	4,242.5	-79%	9%	Made the switch to GreenPower 26th of October 2020.
Food & catering (\$)	4,942.2	1,917.1	9,684.4	3,756.6	96%	8%	Employees were rewarded with a high end Christmas Lunch 2020 and regular culture building staff coffee/lunch were introduced.

Computer equipment (\$)	29,404.7	5,246.5	22,138.4	3,950.1	-25%	9%	2020 required more WFH IT
Train (pax.km)	20,221.0	832.1	69,491.8	3,070.1	244%	7%	Predominantly due to less working-from-home this reporting period; potentially also due to improvement in quality of commuting data, and changes in staff home address and commuting methods.
Petrol: Medium Car (km)	13,896.2	2,672.0	15,434.7	2,880.0	11%	6%	
Petrol: Small Car (km)	9,010.9	1,385.1	28,692.9	4,256.9	218%	9%	
Office Furniture (\$)	210.8	49.5	10,800.0	2,533.8	5,023%	6%	New ergonomic desk chairs were provided for all employees
Printing and stationery (\$)	12,896.3	9,327.8	8,823.0	6,381.6	-32%	14%	Ongoing drive to digital process and outputs
Commercial and Industrial Waste (Tonne)	2.1	1,887.0	3.7	4,826.6	77%	10%	An additional SULO landfill bin was allocated to the property by the City (we had previously had one less in error).

Use of Climate Active carbon neutral products and services

Carbon Neutral Paper – Reflex.

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#), whose services are 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 total emissions (tCO ₂ -e)
Land and Sea Transport (km)	11.78
Office equipment & supplies	9.09
ICT services and equipment	8.02
Waste	4.83
Food	4.26
Electricity	4.24
Land and Sea Transport (fuel)	1.77
Cleaning and Chemicals	1.14
Postage, courier and freight	0.35
Water	0.26
Land and Sea Transport (\$)	0.15
Working from home	0.14
Carbon neutral products and services	0.00
Total	46.03

6. CARBON OFFSETS

Offsets strategy

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	47
3. Net offset balance for this reporting period	47
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	47

Co-benefits

NIHT Topaiyo REDD + (PNG)

NIHT Inc. has partnered with the traditional landowners of New Ireland and East New Britain to put an end to deforestation initiated by industrial logging in the region. The preservation of these rainforests is essential to not only the carbon and biodiversity benefits inherent with projects of this nature, but also for the wellbeing and prosperity of the people of New Ireland and East New Britain. The project is located in the forested areas of New Ireland and East New Britain in Papua New Guinea. The project has evolved based on the input and needs expressed by persons living in the region. What began as a traditional timber operation has been recognised as an opportunity with enormous carbon sequestering potential and has evolved into a forest protection project that will provide substantial economic benefits to the people of Papua New Guinea. Through the avoidance of carrying out exploitative industrial commercial timber harvesting in the project area, the project expects to generate nearly 60 million tonnes of CO₂ emissions reductions across the 30-year project lifetime, depending on the number and size of Project Activity Instances (PAIs) added to the project.

Offsets summary

Proof of cancellation of offset units

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 (%)
NIHT Topaiyo REDD +	VCUs	VERRA	28 Oct 2021	9629-113183387-113183433-VCS-VCU-466-VER-PG-14-2293-01062017-31122019-0	2017 to 2019	47	0	0	47	100%
Total offsets retired this report and used in this report									47	
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)			47				100%			

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach

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.

Market-based approach summary

Market-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)	Renewable % 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	22,832	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)	6,252	0	19%
Residual electricity	3,954	4,242	0%
Total grid electricity	33,038	4,242	88%
Total electricity consumed (grid + non grid)	33,038	4,242	88%
Electricity renewables	29,084	0	
Residual electricity	3,954	4,242	
Exported on-site generated electricity	0	0	
Emission footprint (kgCO ₂ -e)		4,242	

Total renewables (grid and non-grid)	88%
Mandatory	19%
Voluntary	69%
Behind the meter	0%
Residual electricity emission footprint (tCO₂-e)	4

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

Location-based approach summary

Location-based approach	Activity data (kWh)	Emissions (kgCO ₂ -e)
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	33,038	23,127
Tas	0	0
Grid electricity (scope 2 and 3)	33,038	23,127
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (behind the meter)	0	0
Total electricity consumed	33,038	23,127
Emission footprint (tCO₂-e)	23	

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions (kgCO ₂ -e)
N/A	0	0

Climate Active carbon neutral electricity is not considered renewable electricity. The emissions have been offset by another Climate Active carbon neutral 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.

Base building services has been excluded as it has been assessed as not relevant according to the relevance test.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Base building services	No	No	No	No	No	No



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