



PUBLIC DISCLOSURE STATEMENT

SAM CRAWFORD ARCHITECTS

**ORGANISATION CERTIFICATION
FY2020-21**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Elemental Architecture Pty Ltd trading as Sam Crawford Architects

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

4 November 2021

Name of Signatory

Sam Crawford

Position of Signatory

Director



Australian Government
Department of Industry, Science,
Energy and Resources

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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 Elemental Architecture Pty Ltd trading as Sam Crawford Architects, ABN: 13 165 409 567.

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:

- Unit 4, 30 Wilson Street Newtown NSW 2042
- Level 2, 17 Federation Road, Newtown NSW 2042

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).

Organisation description

Established in 1999, Sam Crawford Architects (SCA) is an experienced and innovative architectural practice based in the inner-west of Sydney, NSW. We specialise in public, cultural and residential projects, and seek out creative opportunities for architecture in projects of all scales and budgets. Our work has been widely published, nationally and internationally, and has been recognised by numerous Local, State and National awards. The work of SCA reflects our passion, sensibility and experience in delivering environmentally and socially responsible architecture.

“Being Carbon Neutral is critical to the future of humanity. Transparency encourages others to follow. That is why Climate Active matters to Sam Crawford Architects”

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

3. EMISSIONS SUMMARY

Emissions reduction strategy

Sam Crawford Architect’s emissions reduction strategy involves:

- Measuring and reporting on our energy consumption and carbon footprint annually.
- Generating and utilising solar energy throughout the day, with new solar PV system installed in September 2021.
- Moving toward a paperless office through increased use of digital mark-up programs.
- Encouraging staff to adopt more sustainable approaches, such as reducing work travel and improving waste disposal habits.
- Promoting our commitments to our clients, consultants and suppliers to encourage broader support for sustainable change within our industry.

Emissions over time

Our emission increase is largely due to organisation changes. Our staff numbers have increased (we have 31% more employee hours this year than last year). In addition, we moved into our own office midway through the year. Previously we shared common areas and some maintenance & rubbish removal expenses with other firms on our floor, now we are entirely responsible for our own costs. Our new office also didn’t have solar panels, until they were installed recently, so our power bills were higher than previously.

Table 1

Emissions since base year		
	Base year: FY2019-20	Current year Year 1: FY2020-21
<i>Total tCO₂-e</i>	35.84	53.56

Emissions reduction actions

Computer & technical services increased because of the associated costs of moving to a new office. The increase of printing & stationary is due to office supplies being added to the emissions boundary as it was identified as relevant and material in FY2021. Emissions associated with food & catering have reduced due to a decrease in expense as a result to covid restrictions.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO ₂ -e
Accommodation and facilities	0.08
Carbon neutral products and services	0.00
Cleaning and Chemicals	1.64
Electricity	4.24
Food	5.19
ICT services and equipment	18.70
Land and Sea Transport (fuel)	0.81
Land and Sea Transport (km)	4.09
Office equipment & supplies	9.52
Professional Services	4.33
Refrigerants	0.84
Transport Expense	0.32
Waste	0.80
Working from home	0.45
<i>Total Net Emissions</i>	51.01

Uplift factors

Table 3

Reason for uplift factor	tonnes CO ₂ -e
Mandatory 5% Small Organisation Uplift	2.5
<i>Total footprint to offset (uplift factors + net emissions)</i>	53.56

Carbon neutral products

100% recycled Reflex paper was purchased by Sam Crawford Architects 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 4

Market Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	5,052	0	31%
Total non-grid electricity	5,052	0	31%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	5,345	0	32%
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)	2,169	0	13%
Residual Electricity	3,949	4,237	0%
Total grid electricity	11,463	4,237	46%
Total Electricity Consumed (grid + non grid)	16,515	4,237	76%
Electricity renewables	12,566	0	
Residual Electricity	3,949	4,237	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ e)		4,237	

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)	76.09%
Mandatory	13.14%
Voluntary	32.37%
Behind the meter	30.59%
Residual Electricity Emission Footprint (TCO₂e)	4

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

Location-based approach summary

Table 5

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ e)
NSW	11,463	10,317
Grid electricity (scope 2 and 3)	11,463	10,317
NSW	5,052	0
Non-grid electricity (Behind the meter)	5,052	0
Total Electricity Consumed	16,515	10,317

Emission Footprint (tCO₂-e)	10
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4. CARBON OFFSETS

Offsets strategy

Table 6

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	54
3. Net offset balance for this reporting period	54
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	54

Co-benefits

Merepah Fire Project – Aboriginal Carbon Foundation

Fire management near the most northern point of Australia on Merepah Station, Cape York Peninsula, is delivering a valuable income stream for the Moompa-Awu Aboriginal Corporation (MAAC) while also assisting the functioning cattle business. The Merepah Fire Project involves strategic fire management, including aerial and ground burning as well as fire suppression to reduce late dry-season wildfires, in turn decreasing carbon emissions. The project was registered under the Emission Reduction Fund (ERF) in 2014. The project has been issued 132,059 Australian Carbon Credit Units over the life of the project, providing a consistent source of income. Revenue from the Merepah Fire Project is helping to fund MAAC business services and the refurbishment of old Merepah Station. Infrastructure developments on the station are being organised and managed by MAAC. Through MAAC, Traditional Owners have established sound management and governance and have improved job prospects with career pathways, whether as workers in the cattle industry, as rangers protecting cultural or natural assets, or as fire management operators.

Offsets summary

Proof of cancellation of offset units

Table 7

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 (%)
Merepah Fire Project – Aboriginal Carbon Foundation	ACCUs	Clean Energy Regulator	29 September 2021	EOP100772	2018-19	54	0	0	54	100%
Total offsets retired this report and used in this report									54	
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
Australian Carbon Credit Units (ACCUs)	54	100%

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Printed and digital marketing material, such as company brochures, website and emails.	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 9

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 10

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

APPENDIX 3

Merepah Fire Project – Aboriginal Carbon Foundation ACCUs Retirement

nationalregistry.cleanenergyregulator.gov.au/transaction/show/129746

Transaction details appear below.

Transaction Successfully Approved

Transaction ID AU19883

Current Status Completed (4)

Status Date 29/09/2021 17:54:50 (AEST)
29/09/2021 07:54:50 (GMT)

Transaction Type Cancellation (4)

Transaction Initiator Foley, Rowan Paul Bulmer

Transaction Approver Foley, Rowan Paul Bulmer

Comment Retired on behalf of Elemental Architecture Pty Ltd t/as Sam Crawford Architects

Transferring Account

Account Number AU-2798

Account Name Aboriginal Carbon Fund Limited

Account Holder Aboriginal Carbon Fund Limited

Acquiring Account

Account Number AU-1068

Account Name Australia Voluntary Cancellation Account

Account Holder Commonwealth of Australia

Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			EDP10077Z					2018-19		3,783,820,584 - 3,782,820,537	54

Transaction Status History



An Australian Government Initiative

