



PUBLIC DISCLOSURE STATEMENT

SAM CRAWFORD ARCHITECTS


**ORGANISATION CERTIFICATION
FY2023–24**

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Elemental Architecture Pty Ltd trading as Sam Crawford Architects
REPORTING PERIOD	Financial year 1 July 2023- 30 June 2024
DECLARATION	<p><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></p> <p></p>
	Sam Crawford Director 29 January 2025



Australian Government
**Department of Climate Change, Energy,
the Environment and Water**

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Version 9.

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	66 tCO ₂ -e
CARBON OFFSETS USED	ACCUs 100%
RENEWABLE ELECTRICITY	38.16%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	N/A – small organisation

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2. CERTIFICATION INFORMATION

Description of organisation certification

This inventory has been prepared for the financial year from 1 July 2023 to 30 June 2024 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 3, 30 Wilson Street Newtown NSW 2042
- Unit 4, 30 Wilson Street 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.

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN
Elemental Architecture Pty Ltd	13 165 409 567	165 409 567

3.EMISSIONS BOUNDARY

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

Quantified

Accommodation and facilities
Cleaning and chemicals
Climate Active carbon neutral products and services
Construction materials and services
Electricity
Food
Horticulture and agriculture
ICT services and equipment
Machinery and vehicles
Office equipment and supplies
Postage, courier and freight
Products
Professional services
Refrigerants
Roads and landscape
Stationary energy (gaseous fuels)
Stationary energy (liquid fuels)
Stationary energy (solid fuels)
Transport (air)
Transport (land and sea)
Waste
Water
Working from home

Non-quantified

Water

Outside emission boundary

Excluded

N/A

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Our organisation commits to a 30% emissions intensity reduction across scopes 1,2 and 3 from a FY2021 base year of 2.98 tCO₂-e per FTE by 2035.

Our approach includes Measuring energy consumption and maintaining Carbon Neutral status annually.

Scope 2 emissions will be reduced by:

- Generating and utilising solar energy for our workplace needs, with a new solar PV system installed in September 2021.
- Purchasing 100% carbon neutral electricity in our office.

Scope 3 Emissions will be reduced by:

- Transitioning towards a paperless office through increased use of digital mark-up programs, year on year.
- Encouraging staff to opt for greener ride-sharing options such as low or no-emissions vehicles, when available, for work-site travel.
- Reducing waste emissions by improving waste disposal habits.
- Promoting our commitments to our clients, consultants, and suppliers to encourage broader support for sustainable change within our industry.

Emissions reduction actions

- In FY2024, we continued to benefit from the solar PV system installed in September 2021 to meet our electricity needs.
- We maintained our commitment to sustainability by using a food organics composting bin, which reduced our waste pickups
- In FY2024, we continued to purchase 100% recycled carbon neutral paper products.
- Purchased 100% Greenpower electricity.
- In FY2024, 78.5% of our site travel via Uber for Business involved low emissions trips, using electric or low emissions vehicles.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year:	2019-20	31.43	35.84
Year 1:	2020-21	51.01	53.56
Year 2:	2021-22	40.04	48.04
Year 3:	2022-23	59.94	62.94
Year 4:	2023-24	62.04	65.13

Significant changes in emissions

Significant changes in emissions			
Emission source	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Reason for change
Accounting services	4.38	10.23	This increase is a result of business growth

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used
Powershop	Electricity
Pangolin Associates	Consulting Services

Emissions summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a market-based approach.

Emission category	Scope 1 emissions (tCO ₂ -e)	Scope 2 emissions (tCO ₂ -e)	Scope 3 emissions (tCO ₂ -e)	Total emissions (t CO ₂ -e)
Accommodation and facilities	0.00	0.00	0.09	0.09
Cleaning and chemicals	0.00	0.00	1.13	1.13
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	5.25	5.25
Horticulture and agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	1.86	1.86
Machinery and vehicles	0.00	0.00	0.92	0.92
Office equipment and supplies	0.00	0.00	3.47	3.47
Postage, courier and freight	0.00	0.00	0.01	0.01
Products	0.00	0.00	0.59	0.59
Professional services	0.00	0.00	42.77	42.77
Refrigerants	1.34	0.00	0.00	1.34
Roads and landscape	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (air)	0.00	0.00	0.00	0.00
Transport (land and sea)	0.00	0.00	4.28	4.28
Waste	0.00	0.00	0.33	0.33
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	0.00	0.00
Total emissions (tCO₂-e)	1.34	0.00	60.69	62.04

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
Mandatory 5% uplift for small organisations	3.10
Total of all uplift factors (tCO ₂ -e)	-
Total emissions footprint to offset (tCO₂-e) <i>(total emissions from summary table + total of all uplift factors)</i>	65.14

6. CARBON OFFSETS

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Australian Carbon Credit Units (ACCUs)	66	100.0%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Jawoyn Fire 2	ACCU	ANREU	1/10/2024	8,330,523,545-8,330,523,594	2021-22	50	0	0	50	75.76%
Jawoyn Fire 2	ACCU	ANREU	24/10/2024	8,351,406,717 - 8,351,406,723	2022-23	9	0	0	9	13.64%
Lenroy Regeneration Project	ACCU	ANREU	24/10/2024	8,330,523,695 - 8,330,523,703	2021-22	7	0	0	7	10.61%

Co-benefits

Jawoyn Fire 2 is Jawoyns largest project outside the ALFA partnership. It is carried out on traditional Jawoyn land, now held as Aboriginal land Trust or as NT freehold. Jawoyn Rangers have been caring for country and incorporating customary values and culture with the latest in scientific practice since the late 1990s. Based in Katherine, the rangers manage 16,000 square kilometres of land including part of the West Arnhem Land plateau. Jawoyn Rangers work includes land, fire and weed management, as well as cultural management of one the world's largest and most significant bodies of rock art.

Key project objectives are listed as follows:

Fire Management: Enhance techniques to prevent wildfires and bolster ecosystem resilience.

Cultural Preservation: Blend Indigenous fire practices with modern conservation for heritage preservation.

Ecosystem Restoration: Use controlled burning for landscape regeneration and habitat diversity.

Community Participation: Engage Jawoyn communities in decision-making for fire management.

Capacity Development: Empower locals with training for effective and sustainable fire practices

Lenroy Regeneration Project promotes the regeneration of native vegetation for the sequestration of carbon. Revegetation projects can lead to improvements in local and regional environmental health, by reducing risk of erosion and salination, as well as providing native habitat, which increases local biodiversity. This includes threatened flora and fauna, such as the endangered Greater Bilby (*Macrotis lagotis*), and the elusive nocturnal Night Parrot (*Pezoporus occidentalis*), which has been so rarely sighted in the wild it was assumed to be extinct until 2013. The Projects will also have global environmental benefits with the sequestration of carbon and the mitigation of climate change.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMAT

Transaction ID	AU36298
Current Status	Completed (4)
Status Date	01/10/2024 10:20:31 (AEST) 01/10/2024 00:20:31 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Listorti, Julian
Transaction Approver	Clear, Geoffrey
Comment	Retired by Viridios Capital for and on behalf of Elemental Architecture Pty Ltd trading as Sam Crawford Architects for FY2024

Transferring Account		Acquiring Account	
Account Number	AU-3048	Account Number	AU-1068
Account Name	VIRIDIOS CAPITAL PTY LTD	Account Name	Australia Voluntary Cancellation Account
Account Holder	VIRIDIOS CAPITAL PTY LTD	Account Holder	Commonwealth of Australia

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			ERF102021					2021-22		8,330,523,545 - 8,330,523,594	50

Transaction ID	AU36675
Current Status	Completed (4)
Status Date	24/10/2024 12:03:59 (AEDT) 24/10/2024 01:03:59 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Listorti, Julian
Transaction Approver	Listorti, Eduardo Robert
Comment	Retired by Viridios Capital for and on behalf of Elemental Architecture Pty Ltd trading as Sam Crawford Architects for FY2024

Transferring Account		Acquiring Account	
Account Number	AU-3048	Account Number	AU-1068
Account Name	VIRIDIOS CAPITAL PTY LTD	Account Name	Australia Voluntary Cancellation Account
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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			ERF102026					2022-23		8,351,406,717 - 8,351,406,723	7
AU	KACCU	Voluntary ACCU Cancellation			ERF102021					2021-22		8,330,523,695 - 8,330,523,703	9

Transaction Status History	
Status Date	Status Code
24/10/2024 12:03:59 (AEDT) 24/10/2024 01:03:59 (GMT)	Completed (4)
24/10/2024 12:03:59 (AEDT) 24/10/2024 01:03:59 (GMT)	Proposed (1)
24/10/2024 12:03:59 (AEDT) 24/10/2024 01:03:59 (GMT)	Account Holder Approved (97)
24/10/2024 11:52:46 (AEDT) 24/10/2024 00:52:46 (GMT)	Awaiting Account Holder Approval (95)

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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.

For this certification, electricity emissions have been set by using the **market-based approach**

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO ₂ -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	3,697	0	24%
Total non-grid electricity	3,697	0	24%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	2,201	0	14%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	0	0	0%
Residual Electricity	9,559	8,698	0%
Total renewable electricity (grid + non grid)	5,899	0	38%
Total grid electricity	11,760	8,698	14%
Total electricity (grid + non grid)	15,457	8,698	38%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	9,559	8,698	
Scope 2	8,508	7,742	
Scope 3 (includes T&D emissions from consumption under operational control)	1,050	956	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	38.16%
Mandatory	14.24%
Voluntary	0.00%
Behind the meter	23.92%
Residual scope 2 emissions (t CO₂-e)	7.74
Residual scope 3 emissions (t CO₂-e)	0.96
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Total emissions liability (t CO₂-e)	0.00

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

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
Percentage of grid electricity consumption under operational control	100%	(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
NSW	11,760	11,760	7,997	588	0	0
Grid electricity (scope 2 and 3)	11,760	11,760	7,997	588	0	0
NSW	3,697	3,697	0	0		
Non-grid electricity (behind the meter)	3,697	3,697	0	0		
Total electricity (grid + non grid)	15,457					

Residual scope 2 emissions (t CO ₂ -e)	8.00
Residual scope 3 emissions (t CO ₂ -e)	0.59
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.00
Total emissions liability	0.00

Operations in Climate Active buildings and precincts

Operations in Climate Active buildings and precincts	Electricity consumed in Climate Active certified building/precinct (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market-based method is outlined as such in the market-based summary table.</i>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral electricity product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
PowerShop	11,760	0
<i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market-based summary table.</i>		

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. 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	Justification reason
Water	Immaterial

Data management plan for non-quantified sources

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

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation'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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A						



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