



# **PUBLIC DISCLOSURE STATEMENT**

**SAM CRAWFORD ARCHITECTS**

**ORGANISATION CERTIFICATION**

**FY2022–23**


Australian Government  
**Climate Active**  
**Public Disclosure Statement**

**sam**  
**crawford**  
architects



An Australian Government Initiative



<b>NAME OF CERTIFIED ENTITY</b>	Elemental Architecture Pty Ltd trading as Sam Crawford Architects
<b>REPORTING PERIOD</b>	Financial year 1 July 2022 – 30 June 2023
<b>DECLARATION</b>	<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 11 December 2023



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

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Version March 2023.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	63 tCO <sub>2</sub> -e
OFFSETS USED	100% ACCUs
RENEWABLE ELECTRICITY	48.4%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	N/A – small organisation

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This inventory has been prepared for the financial year from 1 July 2022 to 30 June 2023 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 (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF<sub>6</sub>) and nitrogen trifluoride (NF<sub>3</sub>). These have been expressed as carbon dioxide equivalents (CO<sub>2</sub>-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**

- Advertising services
- Taxi
- Repair and maintenance
- Controlled Electricity
- Employee Commute
- Working From Home
- Membership and association
- Food and beverage services
- Electronic equipment
- Telecommunications
- Software
- Paper
- Printing and stationery
- Cleaning
- Subscriptions
- Postage
- General products and merchandise
- Equipment hire
- Photography services
- Insurance
- Legal services
- Accounting services
- Consulting services
- Education
- Controlled Refrigerants
- Waste – Landfill & Recycling
- Transport Fuels
- Stationary fuels
- Accommodation
- Business flights

**Non-quantified**

Water

**Optionally included**

N/A

**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 tCO<sub>2</sub>-e per FTE by 2035.

The slight increase in emissions for FY2023 compared to the previous year inventory is caused by the expansion of the GHG boundary and the addition of office space. Our strategy will include the following actions:

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

- We installed a new solar PV system in September 2021 for our electricity needs.
- Installed a food organics composting bin and reduced waste pickups
- Purchased 100% recycled carbon neutral paper products.
- Purchased 100% Greenpower electricity.



## 5. EMISSIONS SUMMARY

### Emissions over time

		Emissions since base year	
		Total tCO <sub>2</sub> -e (without uplift)	Total tCO <sub>2</sub> -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

### Significant changes in emissions

The increase in emissions for FY2023 compared to the previous year inventory is caused by the expansion of the GHG boundary and the addition of office space.

Emission source name	Previous year emissions (t CO <sub>2</sub> -e)	Current year emissions (t CO <sub>2</sub> -e)	Detailed reason for change
Computer and technical services	14.1	12.5	Opted for carbon-neutral services.

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

Certified brand name	Product/Service/Building/Precinct used
Electricity	Powershop
Reflex Paper	Product
Consulting services	This assessment and Climate Active submission was prepared with the assistance of <a href="#">Pangolin Associates</a> and these services are also carbon neutral.

## Emissions summary

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

Emission category	Sum of Scope 1 (t CO <sub>2</sub> -e)	Sum of Scope 2 (t CO <sub>2</sub> -e)	Sum of Scope 3 (t CO <sub>2</sub> -e)	Sum of Total Emissions (t CO <sub>2</sub> -e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Cleaning and chemicals	0.00	0.00	1.17	1.17
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	1.65	1.65
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	4.38	4.38
ICT services and equipment	0.00	0.00	14.89	14.89
Machinery and vehicles	0.00	0.00	2.42	2.42
Postage, courier and freight	0.00	0.00	0.03	0.03
Products	0.00	0.00	0.70	0.70
Professional Services	0.00	0.00	20.18	20.18
Refrigerants	1.00	0.00	0.00	1.00
Stationary energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary energy (liquid fuels)	0.00	0.00	0.00	0.00
Transport (air)	0.00	0.00	0.00	0.00
Transport (Land and Sea)	0.00	0.00	7.28	7.28
Waste	0.00	0.00	0.71	0.71
Working from home	0.00	0.00	0.34	0.34
Office equipment and supplies	0.00	0.00	5.20	5.20
<b>Total emissions</b>	<b>1.00</b>	<b>0.00</b>	<b>58.94</b>	<b>59.94</b>

## 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 <sub>2</sub> -e
Mandatory 5% uplift for small organisations	2.99
Total of all uplift factors	-
<b>Total emissions footprint to offset</b> <i>(total emissions from summary table + total of all uplift factors)</i>	62.94

## 6. CARBON OFFSETS

### Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 63 tCO<sub>2</sub>-e. The total number of eligible offsets used in this report is 63. Of the total eligible offsets used, 0 were previously banked and 63 were newly purchased and retired. 0 are remaining and have been banked for future use.

### Co-benefits

#### **Raak Nguunge - EOP100813**

This project involves strategic and planned burning of savanna areas in the high rainfall zone in Queensland during the early dry season to reduce the risk of late dry season wild fires.

This savanna burning project works with local rangers to undertake strategic aerial and on-ground burning in the tropical winter, so as to reduce fuel loads in later (hotter) months when dry lightning storms begin. By preventing larger late-season wildfires, emissions are reduced when compared against the historical average.

Raak Nguunge means 'burning season' in the Kuuk Thaayorre language, and the success of the project is thanks to strong collaboration between the Pormpuraaw Aboriginal Shire Council and the Pormpuraaw Land & Sea Management Rangers.

## Eligible offsets retirement summary

Offsets retired for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO <sub>2</sub> -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Raak Nguunge – EOP100813	ACCU	ANREU	17 Oct 2023	8,344,030,138 - 8,344,030,200	2021-22	0	63	0	0	63	100%
<b>Total eligible offsets retired and used for this report</b>										63	
<b>Total eligible offsets retired this report and banked for use in future reports</b>									0		
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Australian Carbon Credit Units (ACCU)		63					100%				

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A.

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

<b>1. Large-scale Generation certificates (LGCs)*</b>	N/A
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\* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements), and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Project location	Eligible unit type	Registry	Surrender date	Accreditation code	Certificate serial number	Generation year	Fuel source	Quantity (MWh)
N/A									
<b>Total LGCs surrendered this report and used in this report</b>									

# APPENDIX A: ADDITIONAL INFORMATION

Transaction Details

Transaction details appear below.

Transaction ID	AU30240
Current Status	Completed (4)
Status Date	17/10/2023 16:17:58 (AEST) 17/10/2023 05:17:58 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Helen Samantha
Transaction Approver	Liam, Edward-Robert
Comment	Retired by Vindex Capital for and on behalf of Elemental Architecture Pty Ltd trading as Sam Crawford Architects for FY2023

Transferring Account		Acquiring Account	
Account Number	AU30240	Account Number	AU30240
Account Name	VINDEXOS CAPITAL PTY LTD	Account Name	Australian Voluntary Cancellation Account
Account Holder	VINDEXOS CAPITAL PTY LTD	Account Holder	Commonwealth of Australia

Date	Issue	Transaction Type	Original CP	Current CP	EMU Product ID	NMR Facility ID	NMR Facility Name	Subproject	Nyctis Project #	Volume	Entry Date	Serial Range	Quantity
16/10/2023	KSCOU	Voluntary ACCU Cancellation			EQP100013					2021-22		8,344,036,138 - 8,344,036,200	63

Transaction Status History	
Status Date	Status Code
17/10/2023 16:17:58 (AEST)	Completed (4)
17/10/2023 05:17:58 (GMT)	Completed (4)
17/10/2023 05:17:58 (GMT)	Proposed (3)
17/10/2023 05:17:58 (GMT)	Account Holder Approved (37)
17/10/2023 05:17:58 (GMT)	Account Holder Approved (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 <sub>2</sub> -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	6,427	0	37%
<b>Total non-grid electricity</b>	<b>6,427</b>	<b>0</b>	<b>37%</b>
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)	2,077	0	12%
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	9,067	8,659	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>8,504</b>	<b>0</b>	<b>48%</b>
<b>Total grid electricity</b>	<b>11,144</b>	<b>8,659</b>	<b>12%</b>
<b>Total electricity (grid + non grid)</b>	<b>17,571</b>	<b>8,659</b>	<b>48%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>9,067</b>	<b>8,659</b>	
Scope 2	8,007	7,647	
Scope 3 (includes T&D emissions from consumption under operational control)	1,060	1,012	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>48.40%</b>
<b>Mandatory</b>	<b>11.82%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>36.58%</b>
<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>7.65</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>1.01</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.00</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.00</b>
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>0.00</b>

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	
		(kWh)	Scope 2 Emissions (kgCO <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
Percentage of grid electricity consumption under operational control	100%					
ACT	0	0	0	0	0	0
NSW	11,144	11,144	8,135	669	0	0
SA	0	0	0	0	0	0
VIC	0	0	0	0	0	0
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>11,144</b>	<b>11,144</b>	<b>8,135</b>	<b>669</b>	<b>0</b>	<b>0</b>
ACT	0	0	0	0		
NSW	6,427	6,427	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
<b>Non-grid electricity (behind the meter)</b>	<b>6,427</b>	<b>6,427</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>17,571</b>					

Residual scope 2 emissions (t CO <sub>2</sub> -e)	8.14
Residual scope 3 emissions (t CO <sub>2</sub> -e)	0.67
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	0.00
<b>Total emissions liability</b>	<b>0.00</b>

### 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 <sub>2</sub> -e)
<i>Enter name or address of Climate Active certified building/precinct</i>	N/A	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 product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO <sub>2</sub> -e)
Powershop	11,144	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	Data is unavailable and estimated to be 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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