

National Carbon Offset Standard  
Carbon Neutral Program  
**Public Disclosure Summary**

**with\_** architecture  
**studio**



An Australian Government Initiative

With\_Architecture Studio

REPORTING PERIOD: 1 July 2017 – 30 June 2018




**Australian Government**  
**Department of the Environment and Energy**

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## Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature	
25/09/2018	
Carbon Neutral Manager	Jane Wetherall

Carbon neutral certification category	Organisation
Date of most recent external verification/audit	07/02/2017
Auditor	Benjamin Jenkins
Auditor assurance statement link	N/A

## 1. Carbon neutral information

### 1A. Introduction

With\_Architecture Studio (previously Donaldson and Warn) was established in 1985 and today is a mid-sized design studio with around 20 employees operating from Perth, WA. With over 30 years of experience the practice has established a reputation as a creative and contemporary architecture studio with an impressive record of built projects. With\_Architecture Studio has gained, for its design excellence, national and international recognition and publication, being awarded over 40 awards including two George Temple Poole awards: the highest honour for architecture WA.

With\_Architecture Studio's expertise spans institutional and civic architecture, commercial developments, education buildings, learning environments and campus planning, hospitality and tourism, multi-residential architecture, arts buildings, heritage adaptation, urban design, masterplanning and development guidelines.

The specific services provided include:

- Masterplanning and Urban Design
- Architecture
- Feasibility studies
- Space audits and space planning
- Interior design
- Green buildings consultancy services

The practice is dedicated to sustainable development within their own business, and for their clients and partners. With\_Architecture Studio was awarded the first Green Star Multi-Unit Residential rating in Australia (4 Star) by the Green Building Council Australia (GBCA) for one of its residential projects. All recent education projects have achieved a 4 Star Green Star rating equivalent. The Greater Curtin Masterplan was the first project to receive a 5 Star Green Star Communities rating.

With\_Architecture Studio's sustainability commitments are integral to their QA and management system ensuring their full implementation through every level of the business. The practice began to monitor its resource consumption in 2014, tracking improvements and aiming to become Carbon Neutral in 2017. All parts of With\_Architecture Studio's operating business have been included in the Carbon Neutral Certification.

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

- National Carbon Offset Standard for Organisations
- 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). No synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF<sub>6</sub>) or Nitrogen Trifluoride

(NF<sub>3</sub>) were detected within the operational boundary. These have been expressed as carbon dioxide equivalents (CO<sub>2</sub>-e) using relative global warming potentials (GWPs).

### 1B. Emission sources within certification boundary

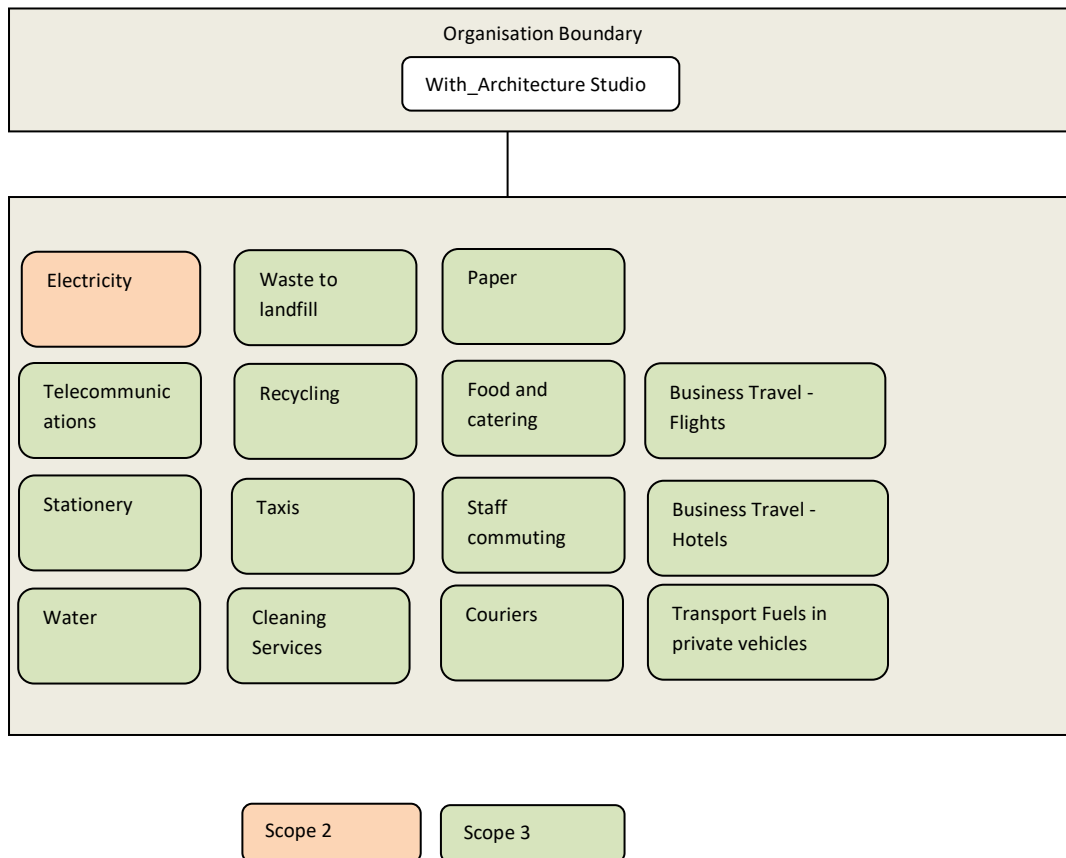
#### **Quantified sources**

The following emission sources have been included within the carbon accounts for With\_Architecture Studio:

- Electricity
- Telecommunications
- Water
- Paper
- Stationery
- Business Flights
- Hotel Accommodation
- Employee Commuting
- Transport Fuels
- Cleaning Services
- Food & Catering
- Couriers
- Taxis
- Waste to landfill
- Recycling

1C. Diagram of the certification boundary

Diagram of certification boundary



## 2. Emissions reduction measures

### 2A. Emissions over time

<b>Table 1. Emissions since base year</b>			
Base Year	FY 2015/16	FY 2016/17	FY 2017/18
Scope 1	0	0	0
Scope 2	27.0	23.5	18.9
Scope 3	48.2	49.0	56.2
<b>Total</b>	<b>75.2 t CO<sub>2</sub>-e</b>	<b>72.5 t CO<sub>2</sub>-e</b>	<b>75.1 t CO<sub>2</sub>-e</b>

### 2B. 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
- Educating and engaging our staff and contractors to minimise 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

### 2C. Emissions reduction actions

With\_Architecture Studio has moved to new premises on William Street in Perth in February 2017. A Northbridge warehouse was converted to host a new flexible and collaborative working space with the following emission reduction measures:

- The workstation layout in our new studio maximises the use of natural daylight
- All new light fittings are LED.
- A shower has been installed to encourage bike commuting to work.
- All new taps and shower head are water saving appliances
- A water-efficient water heater for shower and kitchen have been installed
- A separate copy machine/printer has been allocated for recycled, single printed paper

The data collected throughout Financial Year 2018 has shown that the move had a positive impact on With\_Studio's emission reduction efforts. In comparison to Financial Year 2017, the studio reduced its energy consumption by 20%.

However, staff commute remains the second highest contributor to With\_Studio's carbon footprint. This has even increased as more staff members use their car to commute to work with the new studio being further away from the main train station. To address and reduce emissions resulting from staff commute, the annual survey asking how staff get to work was extended into enquiring about the reasons why unsustainable transport methods like cars are being used and which measures or incentives staff would be willing to accept for switching to more sustainable types of transport. The results of the survey and resulting measures are currently assessed and are expected to be implemented in the second half of Financial Year 2019.

A further emission reduction measure planned for Financial Year 2019 is a gradual switch to green energy. The installation of a solar PV system as well as a switch to smart electrical meters are also currently assessed.

### 3. Emissions summary

Table 1. Emissions Summary		
Scope	Emission source	t CO <sub>2</sub> -e
2	Purchased electricity – tenancy	18.9
3	Purchased electricity - transmission and distribution losses (tenancy)	1.3
3	Employee Commuting	20.1
3	Business Flights	14.7
3	Hotel Accommodation	0.1
3	Transport Fuel – Private Car Allowance	1.7
3	Telecommunications	3.8
3	Water	1.5
3	Office paper	0.3
3	Stationery	2.4
3	Cleaning Services	1.1
3	Food & Catering	2.1
3	Couriers	0.5
3	Taxis	0.1
3	Waste to landfill	5.4
3	Waste recycling	1.1
Total Gross Emissions		75.1
GreenPower or retired LGCs		0.0
Total Net Emissions		75.1

## 4. Carbon offsets

### 4A. Offsets summary

Table 3. Offsets Summary			
Offset type and registry	Year retired	Quantity	Serial numbers
<ul style="list-style-type: none"> <li>Gold Standard VER – Waste heat to energy</li> <li>Markit: <a href="https://mer.markit.com/br-reg/public/index.jsp?name=With_Architecture&amp;entity=retirement&amp;entity_domain=Markit,GoldStandard">https://mer.markit.com/br-reg/public/index.jsp?name=With_Architecture&amp;entity=retirement&amp;entity_domain=Markit,GoldStandard</a></li> </ul>	2017	73	GS1-1-CN-750-15-2010-262-15290 to 15362
<ul style="list-style-type: none"> <li>VCU – Tasmanian Avoided Deforestation</li> <li>APX: <a href="https://vcsregistry2.apx.com/myModule/rpt/myrpt.asp?r=206&amp;h=22418">https://vcsregistry2.apx.com/myModule/rpt/myrpt.asp?r=206&amp;h=22418</a></li> </ul>	2018	3	3291-148259311-148259313-VCU-016-MER-AU-14-641-16042012-15042013-0
Total offsets retired			76
Net emissions			0
Total offsets held in surplus for future years:			0

73 Gold Standard offsets were purchased and retired for the 2017/18 financial year based on the 2016/17 carbon accounts. An additional 3 VCU offsets from a forestry project in Tasmania were purchased and retired to true up the account based on the most recent analysis.

Further to this, 73 offsets from the Australian Yarra Yarra Biodiversity Project have been assigned to With\_Architecture. Assigning is the activity with which a holder of Validated VERs may commit to retire those credits upon verification. Assignment is irreversible, and assigned VER will be retired immediately upon verification. For more information, see the link below:

[https://mer.markit.com/br-reg/public/index.jsp?name=With\\_Architecture%20Studio&entity=assignment&entity\\_domain=Markit,GoldStandard](https://mer.markit.com/br-reg/public/index.jsp?name=With_Architecture%20Studio&entity=assignment&entity_domain=Markit,GoldStandard)

### 4B. Offsets purchasing and retirement strategy

Our offsets are purchased and retired at the end of the reporting period.

### 4C. Offset projects (Co-benefits)

#### Glass Furnace Flue Gas Waste Heat To Energy Project (96%)

Hebei Yingxin Co., Ltd has four glass production lines with total daily melting capacity of 2,000 tonnes. Purpose of this project is to utilize waste heat from exhaust gas of these glass production lines for power generation.

#### Protection of Tasmanian Native Forest (4%)



The purpose and objective of this project is to protect native forest that will be logged in the absence of carbon finance. Protecting forests from timber harvesting reduces emissions caused by harvesting and maintains the forest carbon stock.

Yarra Yarra Biodiversity Project (assigned for future retirement)

This project removes in total 1.257 million tons of carbon from the atmosphere in an area where over 90% of the bushland has been cleared. Further social and economic benefits include:

- Employment, including local Indigenous peoples and liaison with traditional owners
- Aboriginal heritage sites recognised and registered with the Department of Indigenous Affairs Registry
- Creating new industry in rural areas and expenditure with local businesses

## 5. Use of trade mark

With\_Architecture has not used the NCOS logo for any external communications over the reporting period.