



PUBLIC DISCLOSURE STATEMENT

CUNDALL

ORGANISATION
FY 2019-20

Australian Government
Climate Active
Public Disclosure Statement

CUNDALL



An Australian Government Initiative



NAME OF CERTIFIED ENTITY:

Cundall Johnston & Partners Pty Ltd (trading as Cundall)

REPORTING PERIOD: 1 July 2019 – 30 June 2020

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

1 April 2021

Name of Signatory

Madlen Jannaschk

Position of Signatory

Senior Consultant



Australian Government

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

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1. CARBON NEUTRAL INFORMATION

Description of certification

Cundall Johnston & Partners Pty Ltd, trading as Cundall, ABN 16 104 924 370, certifies as an organisation for their Australian business operations across their offices in Adelaide, Brisbane, Melbourne, Perth, and Sydney.

Organisation description

Established in the UK 40 years ago, Cundall has developed into an international multi-disciplinary consultancy operating from 21 locations across the globe. Cundall has five offices in Australia: Adelaide, Brisbane, Melbourne, Perth, and Sydney

Over the years, Cundall has delivered many exemplar green buildings and built up an international sustainable design expertise. Cundall is the world's first consultancy to be formally endorsed as a One Planet Company by sustainability charity BioRegional.

For clients across a wide range of sectors, Cundall delivers:

- **Building Services** – mechanical, electrical, hydraulics, fire, acoustics, vertical transportation ICT, AV, and security.
- **Sustainable Solutions** – strategy, planning, design, certification, compliance, modelling, building physics, and governance.

“As a consultancy, Cundall’s vision is to be agents of change for a sustainable world and construction industry thought leaders. Our Climate Active certification shows that we do what we preach.”

2. EMISSION BOUNDARY

Diagram of the certification boundary

The diagram below shows which emissions are included, non-quantified and excluded from Cundall's certification boundary.



Non-quantified sources

All relevant emission sources were included.

Data management plan

In 2018 we created a new sustainability roadmap, an action plan focusing on six impacts that have been identified as being of most significance to our business. Priority objectives have been set with challenging and measurable short and long-term targets and the actions we will undertake to achieve these. KPIs have been developed and the respective data is collected on a monthly basis in all our offices.

In each office, one contributor is responsible for collecting the data and entering into our internal database system in order to support the generation of update and progress reports. The main sources of information are our landlords and utility providers, our internal accounting system, and internal surveys and audits, for example for waste and electricity. We are also considering incorporating a sustainability data collection software to ensure an automatic data collection from the landlords, utilities and accounts by the end of 2021 to improve our data collection processes further and minimise human error.

Excluded sources (outside of certification boundary)

Emissions from investments have been excluded from the certification and the carbon account based on the relevance test in Appendix 1.

“As a consultancy, Cundall’s vision is to be agents of change for a sustainable world and construction industry thought leaders. Our Climate Active certification shows that we do what we preach.”

3. EMISSIONS SUMMARY

Emissions reduction strategy

Cundall's emissions reduction strategy is based on our Sustainability Roadmap, *One Planet One Chance*. A full copy of our roadmap can be accessed online on our website.

The first step to prepare the Roadmap was a comprehensive materiality review in 2017 which involved a number of internal and external stakeholders including the UK Green Building Council, BioRegional and Form for the Future. This process looked critically at our business, what we have achieved and where we are going, enabling us to understand and update our approach to sustainability.

A key finding of the review was to prioritise our efforts to address our priority impacts: Climate Positive Action, Zero Carbon Energy, Materials and Supply Chain, Health and Wellbeing, Ethics and Equity and Climate Change Adaptation

Other impacts (amongst others) include travel and transport, sustainable water, zero waste and sustainable food. These impacts have effects across our four cornerstones: Our projects, our industry, our homes and communities and our workplace.

Based on the materiality review, far reaching, ambitious objectives were developed and underpinned by KPIs to annually track our performance. The key objectives associated with our organisational emissions are:

- Be a carbon positive business addressing our whole carbon footprint by 2025
- Reduce energy consumption in line with science-based methodology and all electricity for our offices to be from carbon zero renewable sources
- Responsibly source our office consumables and services

Emissions over time

Table 1 below shows our emissions over time. We reduced our carbon emissions from 4.8 to 4.3 tons per staff member from our base year to the first reporting year which is a reduction of 10%. However, this also means that due to the growth of the company, our overall footprint increased by 5% to 214 tons of CO₂e compared to Financial Year 2017-18.

For the current year, we have seen a sharp decline in emissions due to Covid-19 and the associated reductions in business and staff travel.

Table 1

Emissions since base year			
	Base year: 2017-18	Year 1: 2018-19	Current year Year 2: 2019-20
<i>Total tCO₂e</i>	204	214	157

Emissions reduction actions

Our emission reduction actions focus on decoupling this relationship between growth and a higher footprint through developing specific strategies to reduce our total emissions while rolling out carbon neutrality in our business on a global scale.

Cundall is one of 38 founding signatories for Net Zero Carbon Buildings Commitment ('the Commitment'). Led by the World Green Building Council (WorldGBC) this commitment is the start of a leadership movement towards a decarbonised built environment. As a signatory, Cundall is required to evaluate their current energy use and associated emissions across their portfolios; identify opportunities to reduce energy wastage and improve energy efficiency. In the UK, the UK Green Building Council (UKGBC) has embraced and adopted the Net Zero Carbon Buildings Commitment through its Advancing Net Zero campaign.

The net zero carbon buildings framework proposed by the Advancing Net Zero campaign sets out definitions and principles around two approaches to net zero carbon, being net zero carbon in construction and net zero carbon in operation. This means for Cundall as an Organisation that we committed to all buildings within our direct control to operate at net zero carbon by 2030, and all buildings by 2050. We are also very proud to have received approval from the Science-Based Targets partnership for our greenhouse gas emission reduction targets.

Some of the specific actions we are implementing to achieve these targets are:

- We actively monitor our energy consumption since 2012. Part of this is to conduct energy audits in each of our office and identify the top 5 ways to make it more efficient – including fabric, plant and equipment as well as behaviour changes. This is then fed to our office SusTeams for consideration and implementation

- Our Melbourne and Sydney offices, representing 81% of our electricity consumption, have purchased accredited Green Power for a number of years as both tenancies have separate utility meters and have air conditioning connected to this meter. Our offices in Perth, Adelaide and Brisbane (a work share office) have all electricity and air conditioning supplied by our landlords. We are discussing options for the purchase of renewable electricity in these offices.
- In 2018, our Perth office achieved a 5 Star NABERS rating while our Adelaide office was rated 5.5 Stars with aspirations to increase these ratings in the coming years. Our Melbourne office also planning to obtain a NABERS rating while the Sydney office is currently working through the hurdle of not neatly falling under the two categories – tenancy or whole building.
- Our Office Fit-out Guide, which will be released in 2021, outlines parameters for sustainable design and procurement, efficient building services, as well as lighting and acoustics based on latest research and standards. This does not only lead to an increase in health and wellbeing for our staff but will also help to significantly reduce our greenhouse gas emissions
- To ensure that the negative sustainability impacts of products and services are minimised, we are currently updating our Sustainable Procurement Guideline designed to complement current procurement processes.
- We are reviewing the energy efficiency of our IT equipment along with end-of life disposal strategies.
- We have increased the purchase of natural cleaning products in our offices from 33% to 53% since 2013 and will further increase this through improving our procurement processes. This includes the purchase of biodegradable, non-hazardous products without micro-beads.
- To achieve a 95% diversion of waste from landfill by 2025, a number of initiatives were implemented to become better in reducing waste. Organic waste is, after paper, the largest proportion of the waste produced in our offices. We have a worm farm in Sydney (located on our terrace) and composting bins in Perth to reduce this waste going to landfill. We are investigating ways to increase the diversion of this stream from landfill including discussions with our landlords to provide this facility.

Emissions summary (inventory)

Table 2 below summarises our emissions for Financial Year 2019-20.

Table 2

Emission source category	tonnes CO ₂ -e
Electricity	15.3
Waste	1.2
Taxi	1.6
Flights	66.6
Business travel - Cars	2.0
Business travel - Public transport	0.4
Business travel - Accommodation	2.0
Paper	0.1
Catering, coffee and drinks	4.7
Staff commute	20.4
Courier services & Postage	0.7
Stationary	1.8
Printing	2.8
Cleaning services	8.0
IT Equipment	17.7
Telecommunications	8.3
Water	0.7
Natural Gas	2.0
<i>Total Net Emissions</i>	<i>156.4</i>

Uplift factors

The following uplift factors were applied.

Table 3

Reason for uplift factor	tonnes CO ₂ -e
5% to overall account for estimations made	7.8
<i>Total footprint to offset (uplift factors + net emissions)</i>	<i>164.3</i>

Carbon neutral products

No carbon neutral products were included in our reporting.

Electricity summary

Electricity was calculated using a Location based approach.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting with a view to finalising a policy decision for the carbon neutral certification. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures has been provided for full disclosure and to ensure year on year comparisons can be made.

Market-based approach electricity summary

Table 4

Electricity inventory items	kWh	Emissions (tonnes CO ₂ e)
Electricity Renewables	60,048	0.00
Electricity Carbon Neutral Power	0	0.00
Electricity Remaining	8,215	8.88
Renewable electricity percentage	88%	
<i>Net emissions (Market based approach)</i>		<u>8.88</u>

Location-based summary

Table 5

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO ₂ e)
ACT/NSW	Electricity Renewables	29.91	-0.90	-26.92
ACT/NSW	Electricity Total	29.91	0.90	26.92
SA	Electricity Total	3.90	-0.53	-2.06
Vic	Electricity Renewables	17.43	-1.12	-19.53
Vic	Electricity Total	17.43	1.12	19.53
Qld	Electricity Total	3.12	0.93	2.94
WA	Electricity Total	13.87	0.74	10.26
	<i>Total net electricity emissions</i>			15.26

4. CARBON OFFSETS

Offset purchasing strategy: forward purchasing

This report outlines our Carbon Inventory for Financial Year 2019/20. Offsets were purchased forward for Financial Year 2020/21, based on the results of this inventory. This inventory will be verified after the end of FY21, based on actual data and additional offsets will be purchased to true-up our carbon neutrality claim, if necessary.

Our inventory dropped by 23% from FY19 to FY20. This is likely because of the Corona-Virus pandemic which suggests that our inventory will increase again for FY21. We therefore decided to forward purchase the same total amount of units that were bought for FY19 (214 units).

Table 6

Forward purchasing summary	
1. Total offsets previously forward purchased for this reporting period	214
2. Total offsets required for this reporting period	165
3. Net offset balance for this reporting period	49
4. Total offsets to be forward purchased for next reporting period	214

Offsets summary

Table 7

1. Total offsets required for this report				214					
2. Offsets retired in previous reports and used in this report				49					
3. Net offsets required for this report				165					
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used in previous report	Quantity banked for future years	Quantity used in this report
Tiwi Islands Savanna Burning for Greenhouse Gas Abatement	KACCUs	ANREU	14/01/21	ERF 105045, Serial Range: 3,772,970,900 – 3,772,971,064 (Refer to screenshot in Appendix 3 for registry screenshot)	2018-19	165	0	0	165
Ghani Solar Renewable Power Project by Greenko Group	VCUs	APX	30/10/19	6770-341947803-341948016-VCU-034-APX-IN-1-1792-31032017-31122017-0 Refer to Appendix 3 for registry screenshot	2017	214	165	0	49
Total offsets retired this report and used in this report							214		
Total offsets retired this report and banked for future reports							0		

Co-benefits

Cundall is proud to have contributed to the TIWI Islands Savannah Burning Project to compensate our carbon emissions. This project employs TIWI Island Rangers (Traditional Owners) for sustainable fire and land management practices to reduce the risk of destructive, late dry season fires, paired with other initiatives such as weed removal and the implementation of fire breaks around new plantations and sacred sites. The TIWI Offset units were directly purchased from the Aboriginal Carbon Foundation who describe the co- benefits of their project as follows:

- The income from the project helps provide support to develop sustainable livelihood opportunities for Tiwi people that meet their economic, environmental, and cultural needs.
- Income from carbon sales contributes to the continued employment of Tiwi Rangers (Traditional Owners).
- The project protects Tiwi Islands' exceptional biodiversity values, which are of national significance and remain an integral part of the cultural heritage of Tiwi people.
- Tiwi College students join the Tiwi Rangers in fire management activities, continuing important transfer of Traditional Ecological Knowledge by senior rangers.
- Active fire management protects important Tiwi assets such as plantation forests and cultural and sacred sites of significance.
- Protection of local flora and fauna through removal of weeds that replace native vegetation and produce high fuel loads.
- These altered landscapes promote high intensity, late dry season fires leading to ecosystem degradation, habitat loss and species declines.

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Email signature	Certified organisation
Sustainability Report FY 2018/19	Certified organisation
Marketing presentations	Certified organisation

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>
Investments	No	No	No	Yes	No

APPENDIX 2

Non-quantified emissions for organisations

All relevant emissions were quantified.

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

Offset registry entry evidence

The screenshots show the public registry entries for our offsets.

nationalregistry.cleanenergyregulator.gov.au/transaction/show/126946

☆

Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID

AU17209

Current Status

Completed (4)

Status Date

14/01/2021 16:37:08 (AEDT)

14/01/2021 05:37:08 (GMT)

Window Snip

Transaction Type

Cancellation (4)

Transaction Initiator

Foley, Rowan Paul Bulmer

Transaction Approver

Foley, Rowan Paul Bulmer

Comment

On behalf of Cundall, Johnston and Partners Pty Ltd for their Climate Active certification FY19/20

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			ERF105045					2018-19		3,772,970,900 - 3,772,971,064	165

Figure 2 - Screenshot registry entry TIWI Islands Savanah Burning offsets

Retired Credits

Printed Date: 11 of January 2021 10:15:57 GMT

From Vintage	To Vintage	Serial Number	Quantity of Credits	Credit Type	Project ID	Project Name	Project Type	Additional Issuance Certifications	Origination Program	Project Site State/Province	Project Country	Account Holder	Retirement Reason	Beneficial Owner	Retirement Reason Details	Date of Retirement
31/03/2017	31/12/2017	6770-341947346-341947549-VCU-034-APX-IN-1-1792-31032017-31122017-0	204	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Cundall's NCOS emissions for FY17/18	17/07/2019
31/03/2017	31/12/2017	6770-341947550-341947753-VCU-034-APX-IN-1-1792-31032017-31122017-0	204	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Cundall's NCOS emissions for FY18/19	17/07/2019
31/03/2017	31/12/2017	6770-341947793-341947802-VCU-034-APX-IN-1-1792-31032017-31122017-0	10	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Cundall's NCOS emissions for FY18/19	25/10/2019
31/03/2017	31/12/2017	6770-341947803-341948016-VCU-034-APX-IN-1-1792-31032017-31122017-0	214	VCU	1792	Ghani Solar Renewable Power Project by Greenko Group	Energy industries (renewable/non-renewable sources)			Andhra Pradesh	India (IN)	Pangolin Associates Pty Ltd	NCOS Programme	Pangolin	Retired on behalf of Cundall's NCOS emissions for FY19/20	30/10/2019

Figure 1 - Screenshot VCU Registry for Ghani Solar Offsets