



PUBLIC DISCLOSURE STATEMENT

CUNDALL

ORGANISATION CERTIFICATION

FY 2020/21


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 2020 – 30 June 2021 Arrears Report
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> <p>Madlen Jannaschk Principal Sustainability Consultant</p> <p>18 March 2022</p>



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

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Version September 2021. To be used for FY20/21 reporting onwards.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	85.4 tCO ₂ -e
OFFSETS BOUGHT	43% ACCUs, 57% VCUs
RENEWABLE ELECTRICITY	73%
TECHNICAL ASSESSMENT	8 April 2022 by Madlen Jannaschk Next technical assessment due: 2023/24 reporting period

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2. 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.”

3.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 or precinct'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		Outside emission boundary
<p><u>Quantified</u></p> <p><i>Electricity</i></p> <p><i>Water</i></p> <p><i>Waste</i></p> <p><i>Business travel, including flights & taxis</i></p> <p><i>Accommodation</i></p> <p><i>Staff commute</i></p> <p><i>Base building services: electricity, water & gas</i></p> <p><i>Office paper</i></p> <p><i>Food & catering</i></p> <p><i>Postage / freight / couriers</i></p> <p><i>Stationary</i></p> <p><i>Office printing</i></p> <p><i>Cleaning services</i></p> <p><i>IT and telecommunications</i></p>	<p><u>Non-quantified</u></p> <p>-</p>	<p><u>Excluded</u></p> <p><i>Investments</i></p>

Data management plan for non-quantified sources

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

4. EMISSIONS REDUCTIONS

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

Cundall are a signatory of the Science Based Targets initiative. As part of our commitment to reduce our emissions in line with the requirements of the Paris Agreement, we initially committed to a reduction of 63% per full-time employee (FTE) from a 2015 base year for Scope 1 and 2 emissions and a 57% reduction per FTE for purchased goods and services as well as business travel by 2025 from a 2016 base year. To ensure that our targets align with the newest climate science, we are currently reviewing our targets and emissions reduction actions with SBTi.

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:

- Zero Carbon Design: Zero Carbon Design 2030 was launched in FY21 and is a global initiative that engages everyone in Cundall -every office, every discipline and every level – to deliver zero carbon solutions. We will develop training programs, tools and guidance for our teams, and will share our knowledge with industry. We will collaborate with our clients and industry to deliver energy and carbon solutions necessary to keep global heating below 1.5°C. After 2030 Cundall will only work on design projects that are zero carbon.
- Our people are on a journey to implementing zero carbon solutions – every level, every discipline, every office, every project. Everyone has the opportunity to participate and contribute ideas towards achieving the goals.
- We are investing in tools, training and research to support our teams and to optimise zero carbon solutions, including embodied carbon, energy efficiency and integrated renewables, and freely share our knowledge with industry
- We are collaborating with our clients to deliver cost effective and practical solutions, using reliable and proven technologies combined with creativity and reinvention.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year: Year 1:	2017-18	204
Year 2:	2018-19	214
Year 3	2019-20	157
Current Year/Year 4	2020-21	85.4

Significant changes in emissions

Emission source name	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Total net electricity emissions (Market based)	8,498	15,258	Change to marked-based reporting. Procurement of over 70% renewable energy, reduced office use due to Covid-19
Computer equipment	11,186	17,737	Covid-19 Pandemic
Train (staff commuting)	11,505	9,471	Covid-19 Pandemic
Printing and stationery	5,778	4,639	Transfer towards paperless office

Use of Climate Active carbon neutral products and services

No Climate Active carbon neutral products or services were used.

Organisation emissions summary

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

The previous report was a projection report using representative data to estimate the emissions for the reporting year. This table shows the differences between the projected emissions and the actual emissions recorded.

Emission category	Sum of total emissions (tCO ₂ -e)
Accommodation and facilities	1.6
Air Transport (km)	3.1
Cleaning and Chemicals	4.8
Electricity	4.8
Food	5.1
ICT services and equipment	19.2
Land and Sea Transport (km)	24.9
Office equipment & supplies	5.9
Postage, courier and freight	1.1
Stationary Energy	1.7
Waste	1.6
Water	3.8
Total net emissions	81.4

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't 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
5% to overall account for estimations made	4.07
<i>Total footprint to offset (uplift factors + net emissions)</i>	85.4

6. CARBON OFFSETS

Offsets strategy

Offset purchasing strategy: Forward purchasing	
1. Total offsets previously forward purchased and banked for this report	165
2. Total emissions liability to offset for this report	86
3. Net offset balance for this reporting period	79
4. Total eligible offsets purchased and retired in this report	100
5. Total offsets required for this report	86

Co-benefits

Cundall is proud to have contributed to the Karlantijpa North Savannah Burning Project to compensate our carbon emissions. This project employs Karlantijpa 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 Karlantijpa North 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 Karlantijpa people that meet their economic, environmental, and cultural needs.
- Income from carbon sales contributes to the continued employment of Karlantijpa Rangers (Traditional Owners).
- The project protects Karlantijpa North's exceptional biodiversity values, which are of national significance and remain an integral part of the cultural heritage of Karlantijpa people.
- Active fire management protects important Karlantijpa North 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.

Offsets summary

Proof of cancellation of offset units

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 (%)
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 E for registry screenshot)	2017	214	165	0	49	57%
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 Appendix E for registry screenshot)	2018-19	165	0	128	37	43%
Karlantijpa North Savanna Burning for Greenhouse Gas Abatement	KACCU	ANREU	11/03/2022	ERF 104800, Serial Range: 3,801,889,705 – 3,801,889,804 (Refer to Appendix E for registry screenshot)	2020-21	100	0	100	0	0%
Total offsets retired this report and used in this report									86	
Total offsets retired this report and banked for future reports								228		
Type of offset units		Quantity (used for this reporting period claim)			Percentage of total					
Australian Carbon Credit Units (ACCU)		37			43%					
Verified Carbon Units (VCUs)		49			57%					

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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.

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kgCO ₂ e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	16,050	0	54%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	5,595	0	19%
Residual Electricity	7,919	8,498	0%
Total grid electricity	29,563	8,497	73%
Total Electricity Consumed (grid + non grid)	29,564	8,498	73%
Electricity renewables	21,645	0	
Residual Electricity	7,919	8,498	
Exported on-site generated electricity	0	0	
Emission Footprint (kgCO ₂ e)		8,498	

Total renewables (grid and non-grid)	73.21%
Mandatory	18.93%
Voluntary	54.29%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO2e)	8
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>	

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Emissions (kgCO2e)
ACT	0	0
NSW	10,050	9,045
SA	2,173	1,130
Vic	6,000	6,540
Qld	1,316	1,224
NT	0	0
WA	10,025	7,018
Tas	0	0
Grid electricity (scope 2 and 3)	29,563	24,955
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (Behind the meter)	0	0
Total Electricity Consumed	29,563	24,955
Emission Footprint (TCO2e)	25	

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	0	0

Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A	-	-	-	-

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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.

Emission from investments have been excluded as they have been assessed as not relevant according to the relevance test

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Investments	No	No	No	Yes	No	Investments

APPENDIX E

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)
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		Acquiring Account	
Account Number	AU-2798	Account Number	AU-1068
Account Name	Aboriginal Carbon Fund Limited	Account Name	Australia Voluntary Cancellation Account
Account Holder	Aboriginal Carbon Fund Limited	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 0.2 - 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 0.1 - Screenshot VCU Registry for Ghani Solar Offsets

The screenshot displays the ANREU website interface. At the top, the header includes the Australian Government Clean Energy Regulator logo and navigation links like 'Change Password', 'Contact Us', 'Log Out', and 'Help'. The user is logged in as 'Rowan Foley / Industry User'. A left-hand navigation menu lists various options such as 'ANREU Home', 'Account Holders', 'Accounts', and 'Transaction Log'. The main content area is titled 'Transaction Details' and shows a notification: 'Transaction Successfully Approved'. Below this, the transaction details are listed:

- Transaction ID:** AU21584
- Current Status:** Completed (4)
- Status Date:** 11/03/2022 11:16:03 (AEDT) and 11/03/2022 00:16:03 (GMT)
- Transaction Type:** Cancellation (4)
- Transaction Initiator:** Foley, Rowan Paul Bulmer
- Transaction Approver:** Foley, Rowan Paul Bulmer
- Comment:** Retired on behalf of Cundall, Johnston and Partners Pty Ltd for their Climate Active certification FY20/21

Account information is split into two sections:

- Transferring Account:** AU-2798, Aboriginal Carbon Fund Limited, Aboriginal Carbon Fund Limited.
- Acquiring Account:** AU-1068, Australia Voluntary Cancellation Account, Commonwealth of Australia.

A 'Transaction Blocks' table is also present:

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			ERF04800					2020-21		3,801,889,705 - 3,801,889,804	100

At the bottom, there is a 'Transaction Status History' section which is currently empty.

Figure 0.3 Screenshot ANREU Registry for Karlantjipa North Savanna Burning offsets



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