



PUBLIC DISCLOSURE STATEMENT

CO2 AUSTRALIA

**ORGANISATION
CY2020**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: CO2 Australia Ltd

REPORTING PERIOD: 1 January 2020 – 31 December 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 July 2021

Name of Signatory Aaron Soanes

Position of Signatory Chief Executive Officer



Australian Government
Department of Industry, Science,
Energy and Resources

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Version number February 2021



1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the calendar year from 1 January 2020 to 31 December 2020 and covers the Australian operations of CO2 Australia Ltd, ABN: 81 102 990 803.

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 12, 11 McKay Gardens, Turner ACT 2612
- 12 Gerald Street, Marrickville NSW 2204
- 12 Wentworth Street, Wagga Wagga NSW 2650
- 17 Riverside, North Forbes Road, Condobolin NSW 2877
- Level 2, 12 Browning Street, West End QLD 4101
- 46/7 Stirling Street, Robinson WA 6330
- Properties across Australia owned by Mallee Land Company and Blue-Leafed Mallee

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).

“Climate Active certification gives businesses a credible, measurable and respected stamp against their carbon neutral credentials.”

Organisation description

Established in 2004, CO2 Australia is one of Australia's longest running developers and managers of carbon projects. We have pioneered the successful delivery of carbon market services in Australia and currently act as an Emissions Reduction Fund (ERF) agent on behalf of a range of large industrials, transport companies, government agencies, corporates and private landholders. We also manage the largest carbon forestry estate in Australia and have hands-on management responsibility for a series of major emissions reduction projects, expected to generate more than 10 million tonnes of carbon abatement into the Australian market, with our international project interests generating an additional five million tonnes under the Clean Development Mechanism.

CO2 Australia's key achievements to date include:

- ▶ First company to be accredited under the NSW Greenhouse Gas Abatement Scheme.
- ▶ First company to become an Accredited Abatement Provider under the Greenhouse Friendly™ program in relation to tree planting projects.
- ▶ First Australian Associate Member and a listed Offset Provider under the Chicago Climate Exchange.
- ▶ Establishment of over 30,000 ha of tree plantings for carbon project purposes.
- ▶ Successful registration of the first project under the Afforestation and Reforestation methodology under the Carbon Farming Initiative.
- ▶ First company to successfully generate Australian Carbon Credit Units (ACCUs).
- ▶ On behalf of Woodside, successfully delivered Australia's largest commercial emissions offset program based on dedicated forest carbon sink plantings.
- ▶ Registration to date of 37 ERF projects (as a project proponent or ERF agent) under various land sector methods that cover more than 300,000 hectares and are expected to generate over 10 million ACCUs across the life of the projects.
- ▶ Successful registration of the first projects sited on land within the conservation estate under the Human-Induced Regeneration and Environmental Plantings methodologies.
- ▶ First company to successfully register a project under the Plantation Forestry methodology in Australia.

Our roots are firmly planted in carbon projects and helping clients participate in, and benefit from, the ever-changing carbon market. But carbon is not all we do. We also have more than a decades' experience delivering biodiversity offsets under state and Commonwealth frameworks. We are one of the few companies that can offer end-to-end offset services, from the development of offset strategies right through to securing and managing the offset in perpetuity. To date, we have secured more than 90,000 hectares of new protected areas through offset projects, with more than 100,000 hectares in the pipeline.

2. EMISSION BOUNDARY

Diagram of the certification boundary



Non-quantified sources

- Refrigerants are estimated to represent less than 1% of total emissions.

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

“Going carbon neutral is a way for CO2 Australia to take responsibility for our emissions and demonstrate our commitment to climate action.”

3. EMISSIONS SUMMARY

Emissions reduction strategy

For CY2018, CO2 Australia measured our carbon footprint for the first time in accordance with Climate Active standard. This has allowed us to develop a quantitative emissions reduction target. Several emission reductions measures were implemented in 2019, which contributed to 25% emission reduction comparing between CY2018 and CY 2019 and developed a carbon action plan for the period of 2020 – 2023 with the aim of reducing our per employee emissions on a yearly basis. Three sources, transportation, energy consumption and waste management, have been identified in this plan as areas where substantial improvements can be made. Other emission sources (seedlings and contractors) may be considered for reduction solutions for next calendar year. Following the plan, a carbon emission reduction guide for CO2 Australia offices and activities has been drafted.

Transportation

Fuel used for transport is CO2 Australia's major emission source, accounting for approximately 37% for CY18 and 24% for CY19. The following practices were implemented and encouraged by management to reduce this emission source. These included:

- ▶ Facilitating flexible working arrangements with our staff so they can work remotely when required, reducing the need for commutes into our central offices and being able to go directly to sites without coming into our offices.
- ▶ Supporting staff who wish to ride a bike or walk to work by having facilities for showering at work and bike storage.
- ▶ Encouraging the use of teleconferences by supplying appropriate software and hardware i.e. headphones, cameras to reduce the need for travel for meetings.
- ▶ When flying attempting to maximise travel by coordinating several meetings for each trip as well as compiling multi-stop flights, when possible, to avoid numerous return flights.
- ▶ Installing in-vehicle monitoring systems in our fleet vehicles which allows greater insight into fuel usage and implement emissions reduction measures such as reduced idling and more efficient routing.

Energy Consumption

In 2018 and 2019, energy consumption in offices accounted for 17.2% and 22%, ranked third after transport fuels and third-party services – seedlings. We identified feasible measures including improving housekeeping activities, replacing old equipment with more energy efficient equipment and using renewable energy in order to save energy consumption. These practices have been encouraged and investigation into the cost associated with major changes has commenced. Practices implemented in the 2019 include:

- ▶ Turning off lighting and devices in the evenings and over weekends.
- ▶ Applying 10 – 30 minutes principle to monitors: turn off monitor after 10 minutes, “sleep mode” after 30 mins un-touching done in Brisbane office.
- ▶ Applying 10 – 30 minutes principle to printers, photocopiers: Set up “standby” or “energy saving” mode when not in use in more 10 minutes or turn off in more 30 minutes in Canberra office.

- ▶ LED lighting replacements in our Brisbane office.
- ▶ Keeping offices air fresh and ventilated.
- ▶ Purchasing/leasing of indoor plants in offices to absorb the temperature from office equipment.
- ▶ Adjusting appropriate temperature of air-conditioner to protect staff's health from heat shock and reduce energy cost.
- ▶ Prioritizing buying electricity from renewable energy sources: the office in Red Cliffs connected with 8 KW solar panel system.

Practices identified for potential saving but not yet implemented in all offices include:

- ▶ Prioritize buying electricity from renewable energy sources if the price is competitive.
- ▶ Purchasing energy efficient equipment when old equipment needs replacing.

Waste Management

Although waste management wasn't a major source of emissions for the CY2018 and CY2019 it was been identified as an area where improvement can be rapidly made. These have been implemented across our major offices and are progressively implemented in all other offices.

- ▶ Encouraging staff to "Say NO to plastics" such as choosing products with minimal, recycled or recyclable packaging or using reusable market bags.
- ▶ Using keep cups in the office to minimise takeaway coffee cups.
- ▶ Implementing waste sorting across our offices to ensure recycled waste does not contribute to landfill.
- ▶ Default printing set to double sided, black and white for all of our photocopiers and printers.
- ▶ Reducing our printing by using electronic signatures as much as possible.
- ▶ Looking for the FSC or PEFC trademark products.

Emissions over time

Table 1 below presents a summary of CO2 Australia's inventory for CY 2018, 2019 and 2020. The emission in CY2019 and CY2020 compared with the one in CY2018 (base year) and CY2019 decreased approximately 25.3% and 19.3% in sequence. These decreases resulted from CO2 Australia's emission reduction actions that have been kept implementing since 2019. Apart from our climate actions, wildfires and drought happening in 2019 reduced our planting activities in 2020 causing a decrease on seedlings and contractor cost as well as emissions from these activities. Furthermore, due to Covid-19 pandemic staff were encouraged to work from home from March 2020 and an office in Victoria was closed in 2020 so electricity usage in offices was down up to approximately 50%.

Table 1

Emissions since base year			
	Base year: 2018	Year 1: 2019	Current year Year 2: 2020
<i>Total tCO₂-e</i>	1,083.1	807.7	651.2

Emissions reduction actions

Refer to CO2 Australia's Emission reduction strategy above.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO ₂ -e
Accommodation and facilities	25.0
Air Transport	29.4
Cleaning and Chemicals	1.0
Electricity	71.6
Employee Commute	10.6
Food	0.2
Horticulture and Agriculture	251.4
ICT services and equipment	11.0
Land and Sea Transport (fuel)	91.5
Machinery and vehicles	0.2
Office equipment & supplies	2.3
Postage, courier and freight	0.9
Products	0.1
Professional Services	142.0
Taxis & Ridesharing	0.4
Vehicle Hire	6.5
Waste	1.6
Water	1.0
Working from home	4.5
<i>Total Net Emissions</i>	651.2

Uplift factors

Table 3

Reason for uplift factor	tonnes CO ₂ -e
N/A	
<i>Total footprint to offset (uplift factors + net emissions)</i>	651.2

Carbon neutral products

N/A

Electricity summary

Electricity was calculated using a location-based approach.

Market-based approach summary

Table 4

Market-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)	Renewable %
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	0	0	0%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables	8,022	0	10%
Residual Electricity	1,920	0	2%
Large Scale Renewable Energy Target (applied to grid electricity only)	13,356	0	17%
Total grid electricity	55,812	59,916	0%
Total Electricity Consumed (grid + non grid)	79,110	59,916	29%
Electricity renewables	79,110	59,916	29%
Residual Electricity	23,299	0	
Exported on-site generated electricity	55,812	59,916	
Emission Footprint (kgCO ₂ -e)	0	0	
		59,916	
Emission Footprint (tCO₂-e)			
LRET renewables	60		
Voluntary Renewable Electricity	19.31%		
Total renewables	10.14%		

Location-based approach summary

Table 5

Location-based approach	Activity Data (kWh)	Emissions (kgCO ₂ -e)
ACT	9,942	8,948
NSW	6,203	5,583
SA	0	0
VIC	0	0
QLD	56,703	52,734
NT	0	0
WA	6,261	4,383
TAS	0	0
Grid electricity (scope 2 and 3)	79,110	71,648
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	79,110	71,648
Emission Footprint (tCO₂-e)	72	

4. CARBON OFFSETS

Offsets strategy

Table 6

Offset purchasing strategy: In arrears	
1. Total offsets previously forward purchased and banked for this report	0
2. Total emissions liability to offset for this report	652
3. Net offset balance for this reporting period	652
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	652

Co-benefits

Carbon credits purchased for offsetting CO2 Australia contributes towards an ERF carbon project "Steve Irwin Wildlife Reserve Savanna Burning Project" in Queensland. This project involves strategic and planned burning of savanna areas in the high rainfall zone during the early dry season to reduce the risk of late dry season wild fires. The project has a range of other environmental, economic, social and cultural benefits including: (i) using traditional knowledge and providing training and employment for Indigenous and local communities; (ii) protection of rare and threatened animal and plant species; (iii) improvements in wetland and water quality.

Offsets summary

Proof of cancellation of offset units

Table 7

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 (%)
Steve Irwin Wildlife Reserve Savanna Burning Project	KACCUs	ANREU	30 Apr 2021	3,799,384,586 – 3,799,385,237 (See Appendix 3 for proof)	2019-20	652	0	0	652	100%
Total offsets retired this report and used in this report									652	
Total offsets retired this report and banked for future reports								0		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of Total			
Australian Carbon Credit Units (ACCUs)		652					100%			

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Website	Certified organisation
Business cards and stationery	Certified organisation
Marketing materials	Certified organisation
Email signature	Certified organisation
Documentation	Certified organisation
Reports	Certified organisation
Social Media	Certified organisation
Website	Certified organisation

6. ADDITIONAL INFORMATION

We are a Foundation Signatory to the Australian Carbon Industry Code of Conduct. Administered by the Carbon Market Institute, the Carbon Industry Code of Conduct aims to address issues that impact on the reputation of the carbon industry and promote international leadership on carbon project development. As a Foundation Signatory, we are making clear our commitment to be a business operating to best-practice standards of integrity, transparency and accountability.

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>

N/A

APPENDIX 2

Non-quantified emissions for organisations

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>
Refrigerants	Yes	No	No	No

APPENDIX 3

Proof of KACCUs retirement

Transaction Details

Transaction details appear below.

Transaction Successfully Approved

Transaction ID	AU18229
Current Status	Completed (4)
Status Date	30/04/2021 14:02:07 (AEST) 30/04/2021 04:02:07 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Stuart, Benjamin Mathew Clarke
Transaction Approver	Rockliff, Nathan Stephen
Comment	CO2 Australia's 2021 Climate Active retirement

Transferring Account		Acquiring Account	
Account Number	AU-2321	Account Number	AU-1068
Account Name	Carbon Financial Services Pty. Ltd.	Account Name	Australia Voluntary Cancellation Account
Account Holder	Carbon Financial Services Pty. Ltd.	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			ERF101756					2019-20		3,799,384,586 - 3,799,385,237	652

Transaction Status History





An Australian Government Initiative

