



PUBLIC DISCLOSURE STATEMENT

CBH GRAIN PTY LTD

**PRODUCT CERTIFICATION
PROJECTION REPORT: CY2023**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	CBH Grain Pty Ltd
REPORTING PERIOD	Calendar year 1 January 2023 – 31 December 2023 Projected
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>Jason Craig Chief Marketing & Trading Officer 02/05/2023</p>



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

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Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2,414.218 tCO ₂ -e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	NA
TECHNICAL ASSESSMENT	Hannah Palma Energetics Next technical assessment due: CY2026
THIRD PARTY VALIDATION	Type 3 29/03/2023 Deepali D Ghadge Pangolin Associates

Contents

1. Certification summary.....	3
2. Carbon neutral information	4
3. Emissions boundary	5
4. Emissions reductions.....	9
5. Carbon offsets	11
7. Renewable Energy Certificate (REC) summary	13
Appendix A: Additional information	14
Appendix B: Electricity summary	15
Appendix C: Inside emissions boundary	16
Appendix D: Outside emission boundary	17

2. CARBON NEUTRAL INFORMATION

Description of certification

This certification and PDS covers CBH's (ABN 39 089 394 883) opt-in barley product. Emissions outlined in this PDS are based on data captured for CY2022, projected out to CY2023, which will be the first year of certification. This certification will allow barley buyers to opt-in to a carbon neutral product from CBH starting from 1st January 2023. This product certification covers an initial 10,000 tonnes of barley grown at 12 selected farms in 2021/2022 (estimated). The underlying LCA covers the growing of the barley on-farm, its transport to CBH Group's storage facilities, and the emissions incurred from the storage and handling process.

Product/Service description

CBH Grain is Australia's largest exporter of grain, marketing and trading Western Australian grain for over 100 years. CBH's success is a testament to its continued focus on WA growers and long-term customer relationships. We are the first Australian grain marketer to achieve Climate Active carbon-neutral certification for our products, demonstrating our commitment to meeting current and future customers' needs.

The scope of this product certification is from cradle-to-gate, including on-farm emissions, transport emissions, and storage and handling emissions. This product is an input into several different product supply chains, with significant uncertainty around how the product may be used. As a result, this assessment excludes downstream lifecycle stages, including transport and downstream processing.

The functional unit for this application is tonnes of CO₂-e per tonne of barley (tonne CO₂-e/tonne barley).

This is an opt-in certification, where only a certain amount of barley from select growers will be included within the boundaries of the LCA, in line with estimated customer purchases across the reporting period.

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 'attributable processes' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable 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. Within this PDS, no emission sources were non-quantified.

Outside the emissions boundary

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Out of scope refers to emissions which sit outside the emissions boundary of this assessment. For CBH downstream lifecycle stages have been excluded due to uncertainty around the nature of transport and downstream processing activities.

Inside emissions boundary

Quantified

Lime
Urea
Fertiliser
Burning and crop residues
Leaching and runoff
Atmospheric deposition
Herbicides and pesticides
The scope 1-3 emissions associated with growing the barley.
Road freight
Rail freight
Total net electricity
Diesel
ULP
Petroleum-based oils and greases
LPG
Natural gas
Solvents
Acetylene

Non-quantified

N/A

Optionally included

N/A

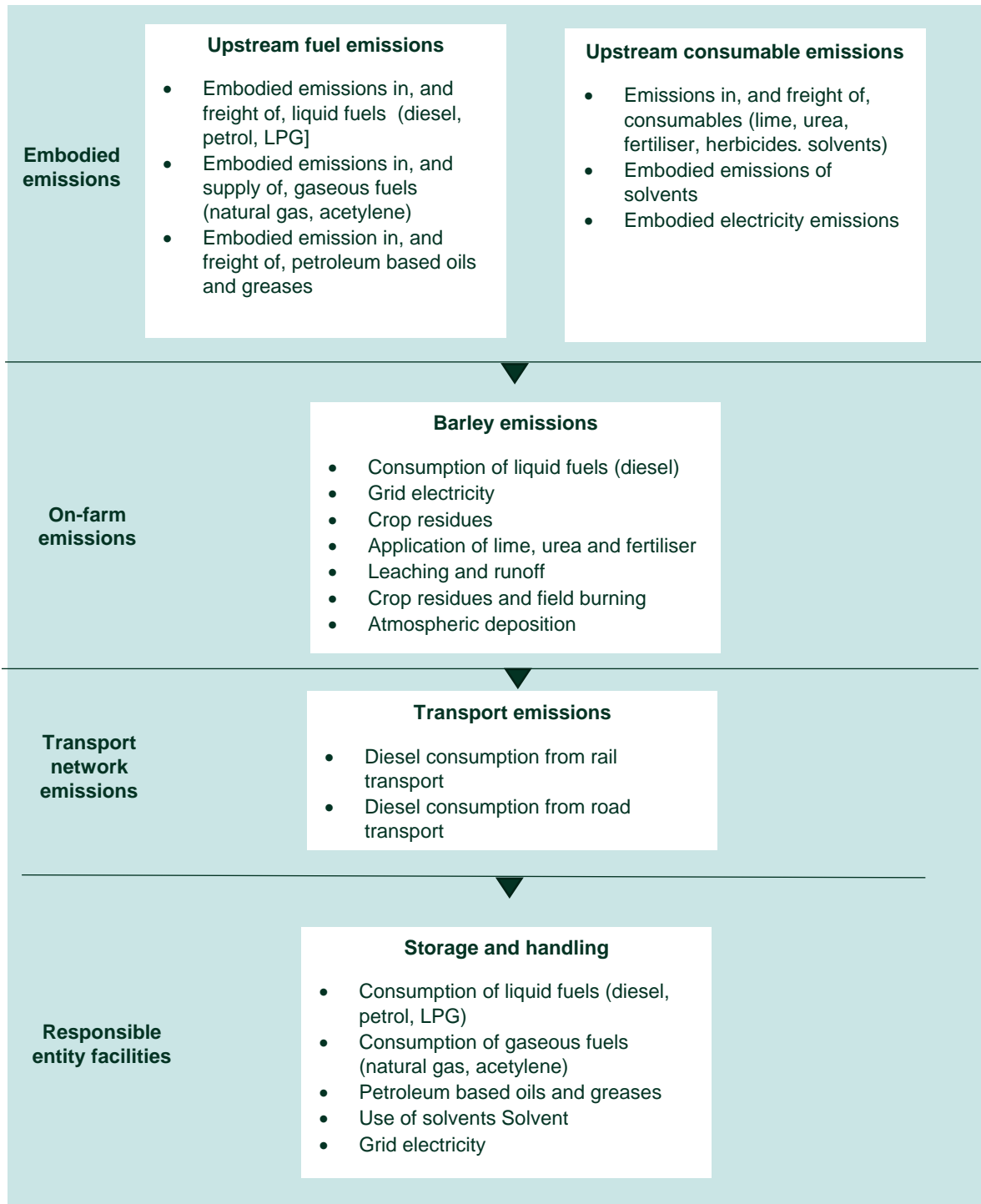
Outside emission boundary

Non-attributable

Transport emissions from CBH Group to buyers
Downstream processing and end-use emissions

Product process diagram

The following diagram covers the cradle-to-gate life cycle stages of CBH's grain. Downstream life cycle stages are not included as the grain can be used for a large number of potential applications in the food and beverage sector.



Data management plan for non-quantified sources

No data sources were unquantified within the emissions boundary of this product.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Sustainability has always been at the heart of the CBH Group, and we are committed to delivering sustainable outcomes for our growers and their communities. As Australia's largest exporter of grain, we form an important part of the world's food supply chain; grain produced by WA growers will find its way into products enjoyed by millions of people worldwide. We understand the importance of collaboration across the food and feed supply chain to make material differences in the reduction of greenhouse emissions.

Our decision to have our grain certified as carbon neutral demonstrates an ongoing commitment to build new markets and frameworks that link growers who have measured on-farm emissions, through to the bulk handling supply chain to meet the ever-increasing needs of our domestic and international customers wanting to accurately measure and reduce their indirect carbon emissions.

The CBH Group has recently announced our emissions reduction targets, as follows:

1. 50% reduction in our Scope 1 and 2 emissions (2021 baseline) by 2030 and;
2. Net Zero Site-to-customer emissions by 2050

Our pathway to achieving our environmental targets includes the following strategies:

Scope 1 and 2: We aim to reduce our Scope 1 and 2 emissions by developing more renewable energy resources, such as wind, solar and biogas, to power our port facilities and Metro Grain Centre.

Site-to-customer net zero: Our 2050 commitment is a signal to our value chain partners that we will work with them to achieve an ambitious goal, primarily through the implementation of technologies that lower transportation emissions

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

No Climate Active products were used in the creation of this product.

Product/Service emissions summary

Emission source category	tonnes CO ₂ -e
Farm 1	117.19
Farm 2	38.77
Farm 3	495.88
Farm 4	130.77
Farm 5	126.89
Farm 6	91.39
Farm 7	51.03
Farm 8	39.16
Farm 9	129.45
Farm 10	122.96
Farm 11	945.31
Farm 12	42.66
Train and truck transport	51.15
Storage and handling	31.00
Storage and handling (scope 3)	0.61
1. Total inventory emissions	2414.218
<i>1a. Number of functional units forecast to be sold in this period</i>	10000.00
<i>2. Emissions per functional unit (based on the number of functional units represented by the inventory)</i>	0.241
<i>Total tCO₂-e divided by the number of functional units in 1a.</i>	
3. Carbon footprint	2414.218
<i>(Emissions per functional unit (2)* number of functional units (a or b from table 2))</i>	

6. CARBON OFFSETS

Offsets retirement approach

CBH Group has elected to pursue an in-arrears offsetting approach. Under this approach, CBH Group will offset the full amount of grain sold for our opt-in product at the end of the certification period once full quantities are known. CBH Group has forecast a sale of 10,000 tonnes of carbon neutral grain, noting that actual purchase figures may vary. The total emissions to offset (based on this forecast) is 2,414.218tCO₂-e.

Given that this is the first year of certification and as a demonstration of CBH Group's commitment to carbon neutrality, we have purchased and retired a total of 1,099 offset units in advance. For this first certification period only, a true up calculation will be conducted at the end of the year and additional carbon offsets will be purchased as required to cover further requirements (based on actual sales across the period).

Co-benefits

For our Climate Active Carbon Neutral Certification, CBH has purchased Australian Carbon Credit Units (ACCU) generated from the Peniup Private Conservation Reserve Project. This biologically diverse reforestation project sits between the Stirling Range and Fitzgerald National Parks in the southern section of the Western Australian Wheatbelt.



The area was purchased in 2008 and strategically chosen due to its significance in creating a corridor between two significant WA biodiversity "hotspots". Corridors are critical for maintaining ecological processes, including allowing for the movement of plants, animals and the continuation of viable populations. By providing landscape connections between more extensive habitat areas, corridors enable

migration, colonisation and interbreeding of plants and animals.

CBH has chosen to offset our grain emissions using credits generated from this project due to the project's co-benefits to the communities and environments in the areas our co-operative farming members live and operate within.

Eligible offsets retirement summary

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	Stapled quantity	Eligible quantity (tCO ₂ -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 (%)
Biodiverse Carbon Conservation EOP101147	ACCU's	ANREU	03 April 2023	8,342,006,371 – 8,342,007,469	2021-22		1,099	0	0	1,099	100%
Total offsets retired this report and used in this report										1,099	
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 (ACCU's)	1,099	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

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Australian Government
Clean Energy Regulator



03 April 2023

VC202223-00124

To whom it may concern,

Voluntary cancellation of units in ANREU

This letter is confirmation of the voluntary cancellation of units in the Australian National Registry of Emissions Units (ANREU) by ANREU account holder, Commonwealth Bank of Australia (account number AU-1021).

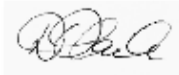
The details of the cancellation are as follows:

Date of transaction	03 April 2023
Transaction ID	AU26796
Type of units	KACCU
Total Number of units	1,099
Serial number range (ERF Project ID)	8,342,006,371 – 8,342,007,469 EOP101147
Vintage	2021-22
Associated ERF Project Name(s)	Biodiverse Carbon Conservation
Transaction comment	Cancelled on behalf of CBH Grain to meet it's carbon neutral claim against the Climate Active Carbon Neutral Standard for CY2023

Details of all voluntary cancellations in the ANREU are published on the Clean Energy Regulator's website, <http://www.cleanenergyregulator.gov.au/OSR/ANREU/Data-and-information>.

If you require additional information about the above transaction, please email CER-RegistryContact@cer.gov.au

Yours sincerely,



David O'Toole
ANREU and International
NGER and Safeguard Branch
Scheme Operations Division
Clean Energy Regulator
CER-RegistryContact@cer.gov.au



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APPENDIX B: ELECTRICITY SUMMARY

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following sources emissions have been assessed as attributable, 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				

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**.

	No actual data	No projected data	Immaterial
N/A			

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

Relevance test					
Non-attributable emission	<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	N/A	N/A	N/A	N/A	N/A



An Australian Government Initiative

