



PUBLIC DISCLOSURE STATEMENT

COLES SUPERMARKETS AUSTRALIA PTY LTD

PRODUCT CERTIFICATION


PROJECTION: FY2023-2024

Australian Government
**Climate Active
Public Disclosure Statement**



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Coles Supermarkets Australia Pty Ltd
REPORTING PERIOD	1 July 2023 – 30 June 2024 Projection
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> 
	Martin Smithson General Manager – Meat 14/06/23



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	7,045 CO ₂ -e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	16/05/2023 Dr Stephen Wiedemann Integrity Ag and Environment Next technical assessment due: 30/10/2024
THIRD PARTY VALIDATION	Type 3 26/5/23 Tim Grant Life Cycle Strategies Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

The carbon neutral product certification is for sale portions of Coles Finest Certified Carbon Neutral Pork (recorded per kilogram sold) (the **Product**) including packaging, supplied by selected producer participants in the Coles Pork Carbon Neutral Program.

The producer has been specially selected by Coles to participate in the Program because they deliver pork that satisfies Coles' highest-quality standards, and because they produce a lower emission product than the Australian industry average¹. Pigs are procured by Coles and processed through a third-party processing plant before secondary processing, storage, distribution and retail. The Product is sold by Coles Supermarkets Australia Pty Ltd (ABN 45 004 189 708). The Product footprint was determined by directly engaging all major stages of the supply chain, collecting primary data for the baseline year of FY22 and covered scope 1, scope 2 and scope 3 emissions. For the first year of the project, emission projections were based on data from FY22. In subsequent years data will be collected for each year.

The functional unit for this certification is pork portions, normalised to one kilogram of Coles Finest Certified Carbon Neutral Pork product sold on the retail shelf to customers by Coles Supermarkets Australia Pty Ltd.

“Coles has an ambition to become Australia’s most sustainable supermarket and we understand our responsibility to minimise our environmental footprint and to show leadership in protecting our planet. Partnering with Climate Active to deliver a carbon neutral Pork product range to our customers supports our Sustainability Strategy and our ambition of Together to zero emissions.”

Product description

At Coles, we recognise the importance of our sustainability responsibilities and believe that our ambitions can create momentum and activate change. We have a clear ambition to become Australia’s most sustainable supermarket and this new range supports that ambition.

We have partnered with specially selected Australian farmers to bring you our Coles Finest Certified Carbon Neutral Pork.

Together, we are reducing the carbon footprint of this product through best practice farming and investment in emission reduction initiatives. With carbon credits, Coles will offset remaining emissions from the production and transport of this product from farm to store.

The carbon neutral brand is a full-coverage product.

¹ Carbon footprint for this product was lower than the national average, as reported in KJL Watson, SG Wiedemann, L Biggs, EJ McGahan (2018) Trends in the environmental impacts from the Australian Pork Industry: 1980 – 2020, APL, Canberra, ACT.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of this 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. Emissions were determined from quantified datasets of producers and processors supplying product into the brand throughout the supply chain from primary production to retail shelf.

Non-quantified emissions have been assessed as attributable and are captured within the emissions boundary but are not measured (quantified) in the carbon inventory. Where data could not be collected, emissions were modelled based on extrapolated data from a representative sample.

Outside the emissions boundary

Non-attributable emissions have been assessed as not attributable to a product or service. Impacts associated with transport of product from the supermarket, and storage and cooking in the home have been classified as non-attributable.

This product certification implements the following emissions boundary below.

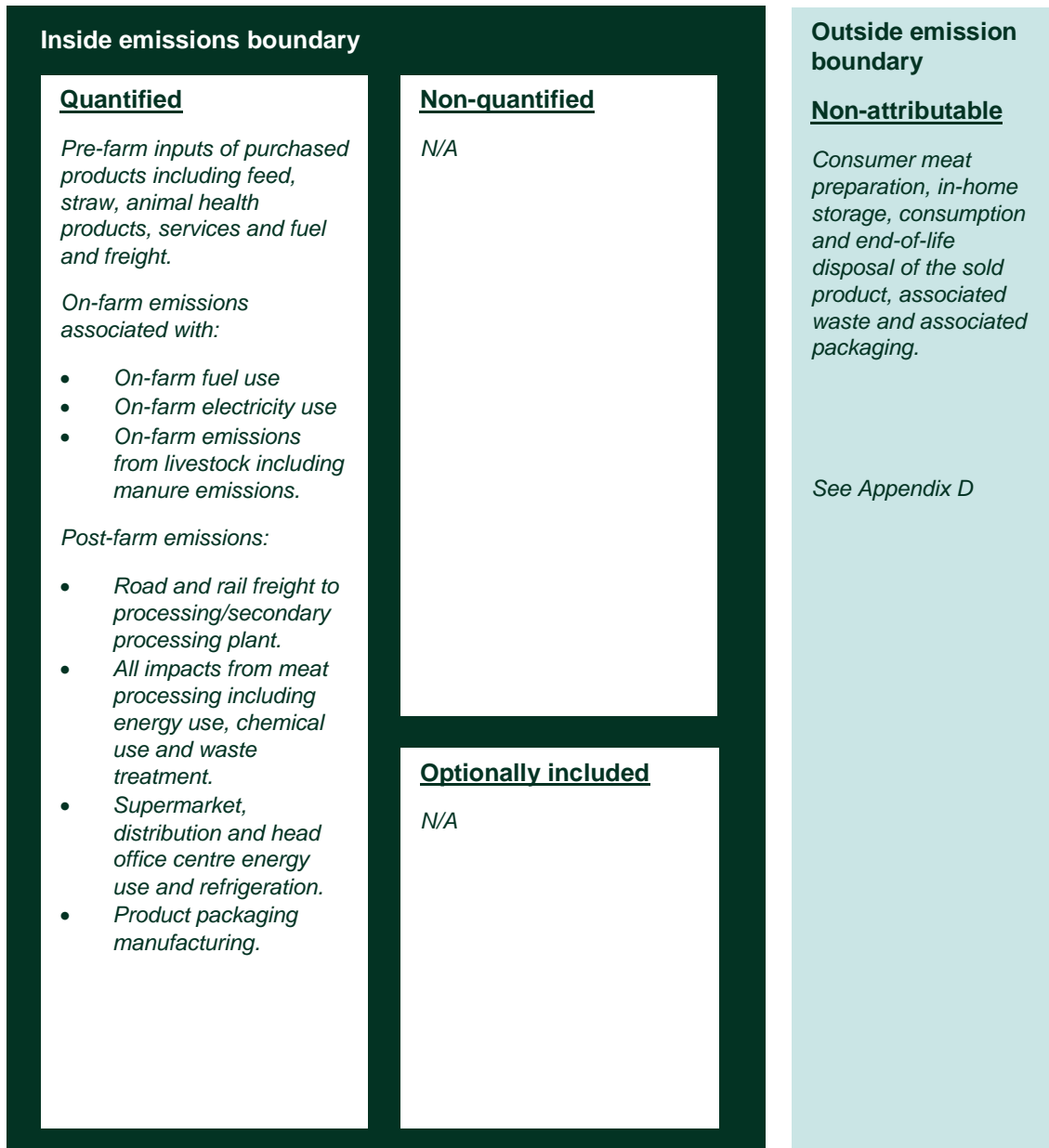


Figure 1 The certification boundary for the supply chain of sale portions of Coles Finest Certified Carbon Neutral Pork sold by Coles Supermarkets Australia Pty Ltd.

Product process diagram

The following diagram outlines the cradle to retail shelf system boundary. This shows upstream emissions associated with purchased inputs prior to the farm gate and processing plant, primary production (pig farms), primary processing, secondary processing of retail ready products, distribution and supermarkets. Transport between these different stages and products was included throughout the system, and product transformations were determined from primary data. Product traceability from the supplier farms to retail shelf is maintained throughout the system. The diagram shows some examples of major emission sources for each stage. All attributable emission sources were determined and included in the inventory.

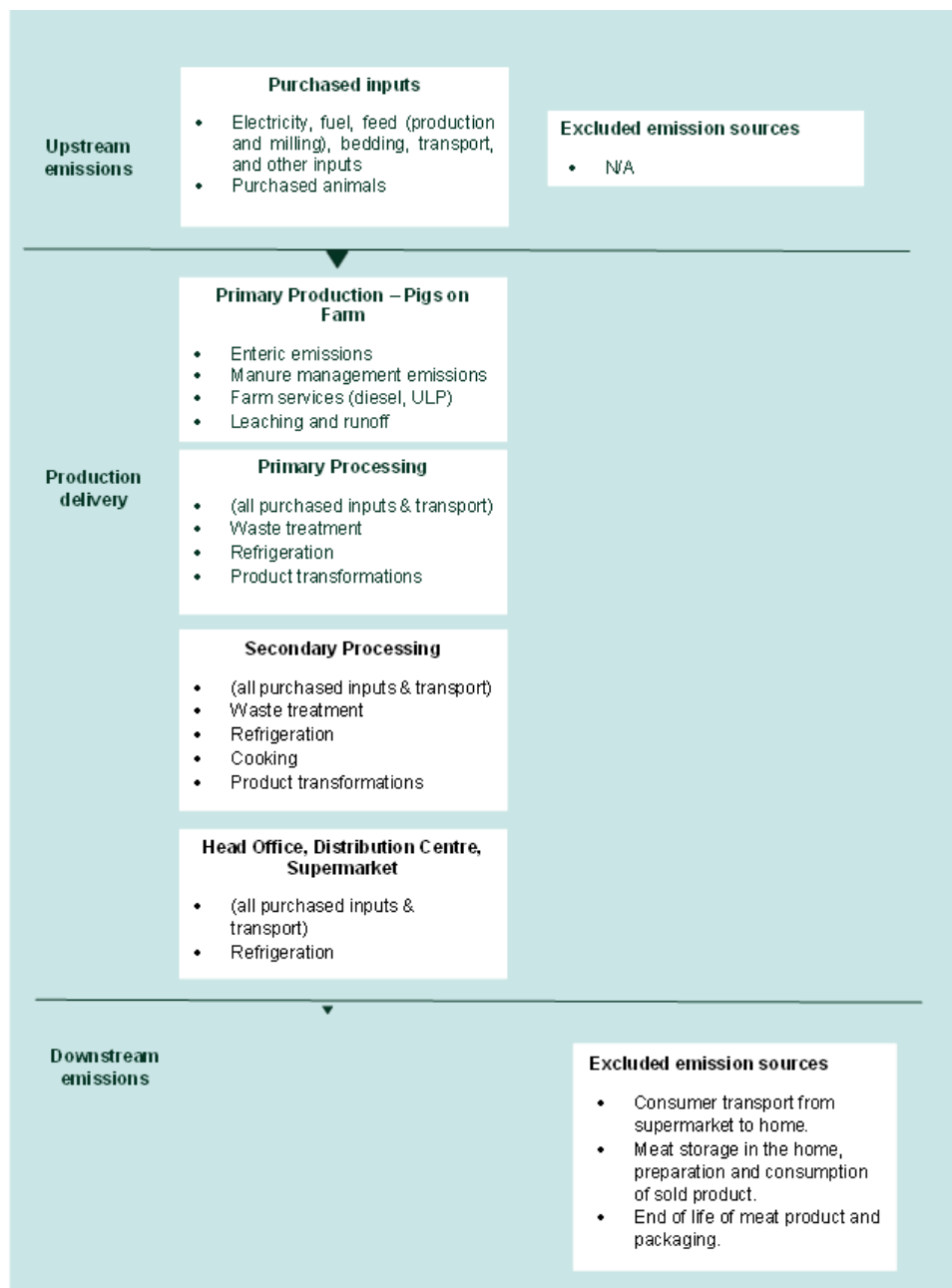


Figure 2 Climate Active Process Diagram for the supply chain of retail Coles Finest Certified Carbon Neutral Pork sold by Coles Supermarkets Australia Pty Ltd.

Data management plan for non-quantified sources

Non-quantified sources were expected to contribute a very small proportion of total product emissions. In future, ongoing support will be provided to all farmers to continue to improve the on-farm data collection process (fuel, power, straw usage) and participation.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

In the pork production product supply chains, GHG emissions are largely driven by emissions associated with the production of feed for the animals, and manure related emissions. Diet ingredients have been selected to deliver a lower emission profile, and further work is underway to reduce imported soy meal content, and to change feed composition to minimise nitrous oxide emissions from manure. Farms may also reduce net emissions by storing more carbon in planted trees and potentially in soil. In the processing stages, efficiency can be improved to increase product yields, and increase the use of renewable energy sources. There are a range of options that will be explored throughout the supply chain to reduce emissions.

Emission reduction strategies to be explored include:

Primary Production

- Investigating low GHG feed ingredient options and feeding management, with the aim of reducing emissions associated with scope 3 feed sources.
- Reducing nitrous oxide emissions from manure.
- Investigating management practices to reduce emissions through improvements in farm productivity.
- Improved cycling of nutrients in spent bedding to cropping.

Coles Initiatives

As detailed in [Coles Sustainability Strategy](#) and annual [Sustainability Report](#), Coles Group has committed:

- For the entire Coles Group to be powered by 100% renewable electricity by the end of FY25 (noting that Coles already has the agreements in place to meet this commitment).
- To reduce combined Scope 1 and 2 greenhouse gas emissions by more than 75% by the end of FY30 (from a FY20 baseline).
- To deliver net zero greenhouse gas emissions by 2050.

5. EMISSIONS SUMMARY

Use of Climate Active carbon neutral products and services

None.

Product emissions summary

Emissions reported over a full 12-month period are reported below.

Stage	tCO ₂ -e
All life cycle stages, primary production, primary and secondary processing, transport, distribution and retail	7,045
Carbon sequestration	0
Net Emissions	7,045

Emission offsets required for FY24 have been forward purchased (see below) based on emissions for projected sales (period between product launch and 30 June 2024). This was expected to represent approximately 7,045 tonnes CO₂-e. In accordance with Climate Active requirements, a 'true-up' will be conducted on actual sales of the branded Coles Finest Certified Carbon Neutral Pork product and, if required, additional emission offsets will be retired after the end of financial year reporting is completed.

Emissions intensity per functional unit	Confidential
Number of functional units to be offset	Confidential
Total emissions to be offset	7,045

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken a forward offsetting approach. The total emission to offset is 7,045 t CO₂-e. The total number of eligible offsets used in this report is 7,045. Of the total eligible offsets used, none were previously banked and 7,045 were newly purchased and retired. None are remaining and have been banked for future use.

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 (%)
Merluna Station	KACCUs	Australian National Registry of Emissions Units	9 June 2023	8,356,734,256 – 8,356,741,300	2022-23	7,045	0	7,045	0	0%
Total offsets retired this report and used in this report									0	
Total offsets retired this report and banked for future reports								7,045		
Type of offset units		Quantity (used for this reporting period claim)			Percentage of total					
Australian Carbon Credit Units (ACCUs)		0			100%					

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

Not applicable.

APPENDIX A: ADDITIONAL INFORMATION

Not applicable.

APPENDIX B: ELECTRICITY SUMMARY

Not applicable.

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
Nil				

Excluded emission sources

Not applicable

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	Reason	The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions	The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.	Key stakeholders deem the emissions from a particular source are relevant.	The responsible entity has the potential to influence the reduction of emissions from a particular source.	The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisation
Consumer meat preparation, in-home storage, consumption and end-of-life disposal of the sold product and packaging.	The assessment of GHG emissions was completed from cradle to gate. These sources are downstream emissions which are outside of the emission boundary.	no	no	no	no	no



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