PUBLIC DISCLOSURE STATEMENT

JOE BENDOTTI & CO

PRODUCT CERTIFICATION
FY2021–2022 (TRUE-UP)

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Joe Bendotti & Co (trading as Bendotti Avocado)
REPORTING PERIOD	1 July 2021 – 30 June 2022 True-up
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.* 
	Trevor Bendotti Position of signatory: Partner/Manager Date: 9th November 2022

Australian Government
Department of Climate Change, Energy, the Environment and Water

Version March 2022.

1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1,339 tCO_2-e
OFFSETS RETIRED	38% CERs; 62% VCUs
RENEWABLE ELECTRICITY	18.59%
TECHNICAL ASSESSMENT	10/09/2021 Simon Colman EY Next technical assessment due: FY2025 report
THIRD PARTY VALIDATION	23/12/2021 Type 3 Paul Adams Carbon Intelligence Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

This Public Disclosure Statement provides details of the carbon neutral product certification for Joe Bendotti & Co trading as Bendotti Avocado (ABN 13 571 989 872).

It covers the carbon neutral product line of avocados produced, packed and distributed from the farm until point of retail within the financial year (1 July 2021 – 30 June 2022).

The carbon inventory presented below is actual data for the first year of certification. This report is a true-up calculation, performed at the end of FY22. Additional offsets have been purchased and retired.

"The EcoAvo group wanted to find a solution to the carbon emissions released during avocado production and we wanted to inspire and engage consumers who are becoming increasingly concerned by the farming's carbon footprint."

Product description

The functional unit for this certification is one kilogram (kg) of Joe Bendotti & Co avocados produced, packed, and distributed until point of retail for the period 1 July 2021 – 30 June 2022 (FY22). The functional unit has been used to determine the emissions per functional unit i.e. the kgCO_2-e per one kg of avocados produced, packed, and distributed from the farm to the retailer.

Bendotti Avocados are partners with Carbon Neutral Avocados in producing the EcoAvo. The two groups share a packing and distribution centre. They have several farms across Manjimup and Pemberton in West Australia's South West. The two groups manage their own farm but package and distribute together under the Eco Avo brand.

This certification includes the Scope 1, 2 and 3 emissions associated with the life cycle of the avocado fruit, including the upstream emissions, organisation emissions, and downstream emissions until point of retail.

Uplift factors have been included to incorporate the emissions associated from the point of retail until the "grave", because this data is impossible to measure, due to the wide-ranging distribution of the avocado product, uplift factors must be applied.

The Eco Avo

Our certified product will be sold and marketed under the EcoAvo Brand. The EcoAvo trademark is to ensure all produce sold using this brand is certified carbon neutral. All emissions relating to the packaging process of EcoAvo has been captured and included within the Joe Bendotti & Co emissions boundary.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

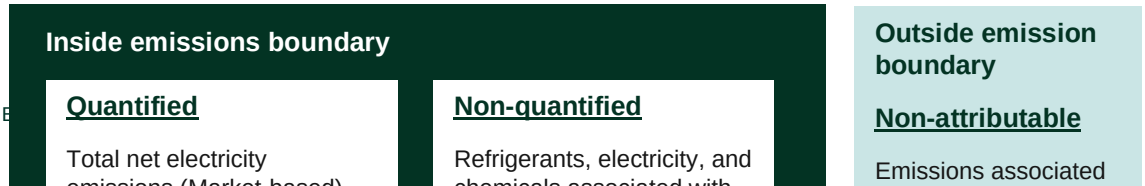
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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.

Outside the emissions boundary

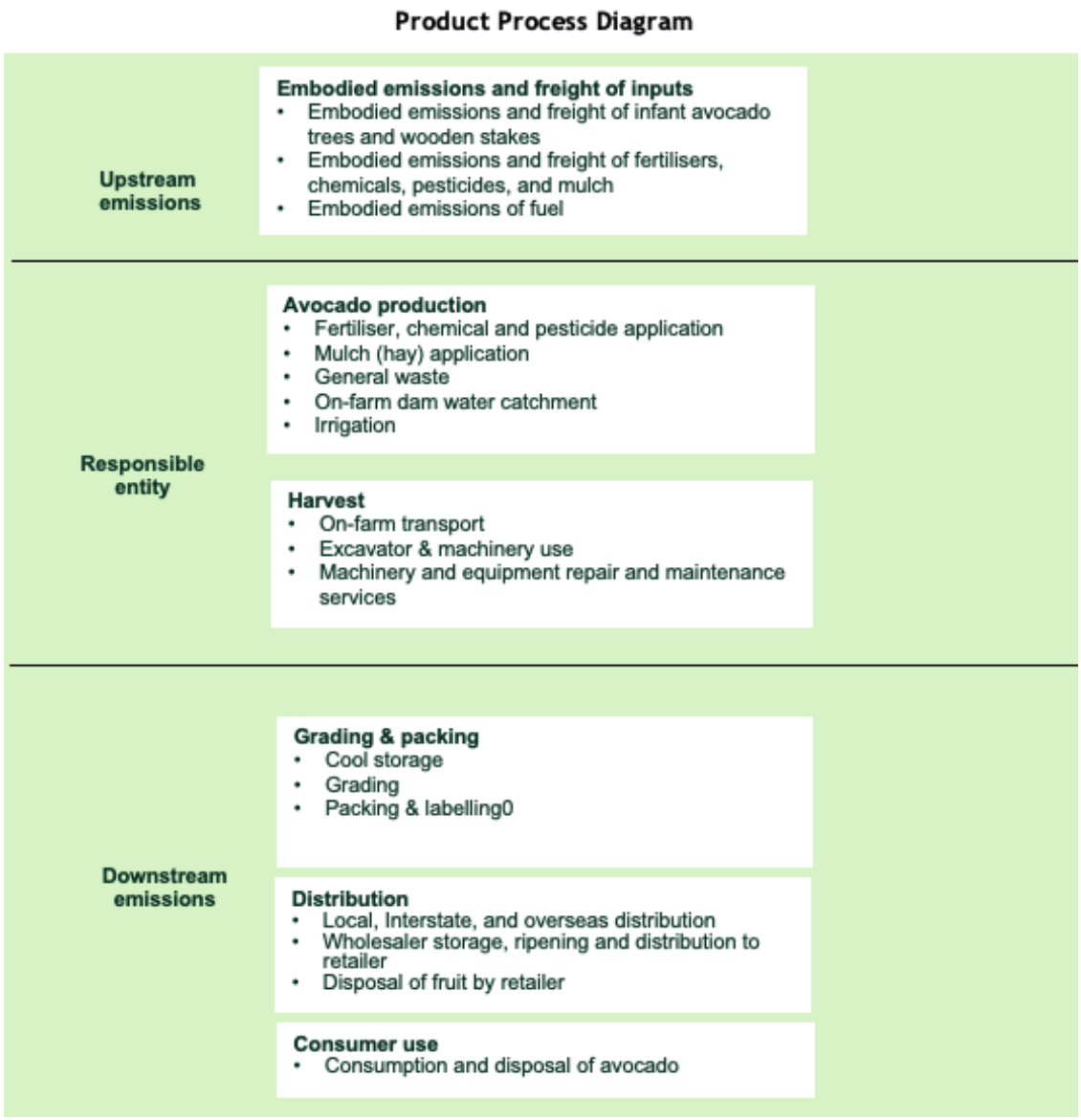
Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim).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

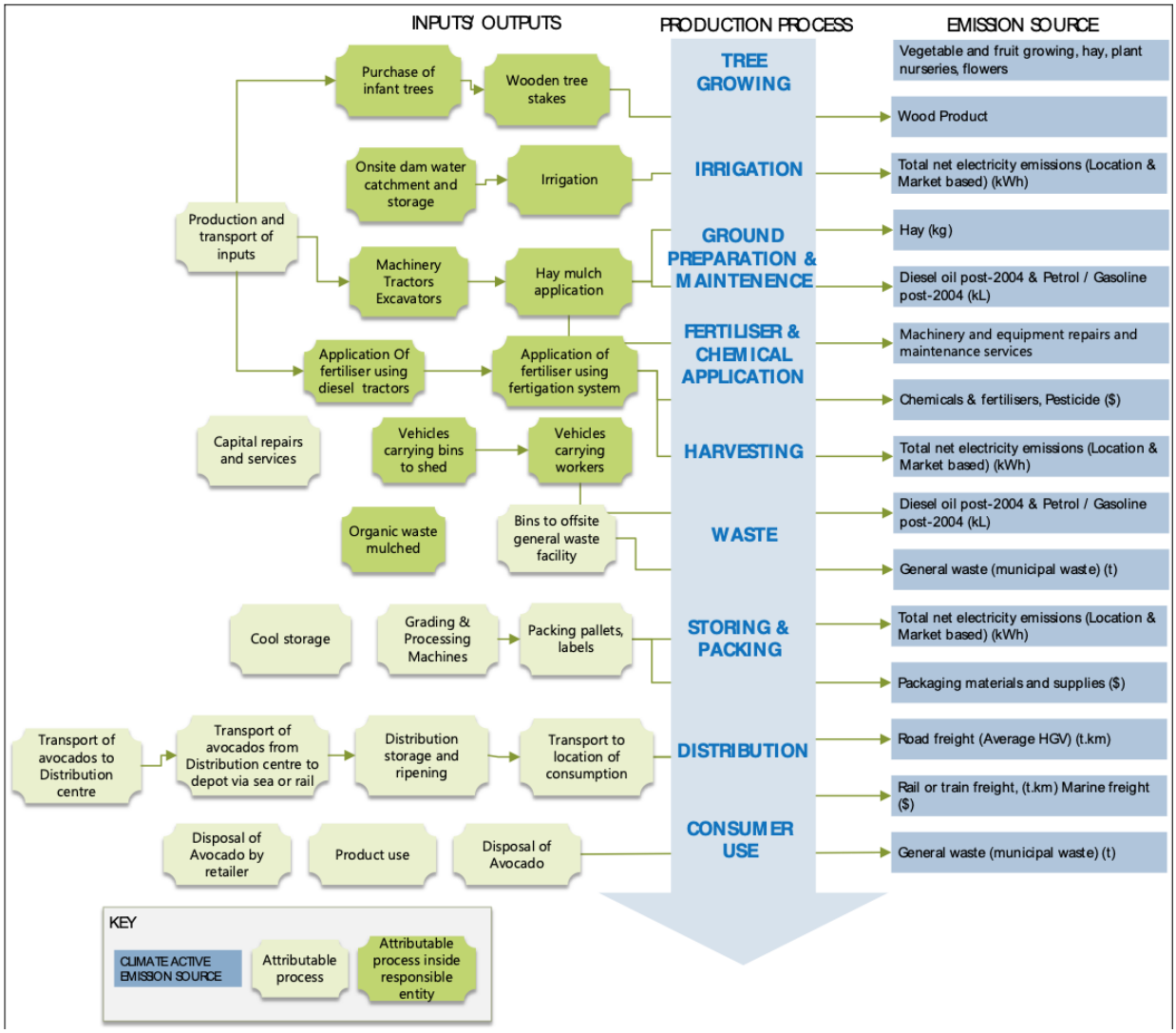


Product process diagram

The following diagram provides an overview of the life cycle of Joe Bendotti & Co's avocado product, including upstream emissions generated from the production and transport of inputs, organisational emissions from onsite production processes, and downstream emissions from distribution, storage and disposal until point of retail.

The below diagram describes a cradle-to-point-of-retail certification period. Cradle-to-grave certification was not used due to the data gap that exists relating to the volumes of avocado waste and method of disposal by retailers and the consumer.





Data management plan for non-quantified sources

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.

Downstream storage, ripening and retail of avocados: Activity data associated with the downstream storage and ripening at the distribution center is difficult to obtain. The attributable portion of the emissions from the distribution center is not available due to the lack of specific data, the ratio of Joe Bendotti & Co fruit compared to total fruit in the distribution center not being constant, and the time period the fruit is in the distribution center being dependent on retailers' needs. Given the challenge to obtain specific data, the use of an uplift factor will be maintained to account for the emissions associated with the storage and ripening at the downstream distribution centers.

Disposal of fruit until point of retail: Specific data relating to the volumes of fruit waste and the disposal methods from farm until point of retail is not available. Given this cannot be obtained, Joe Bendotti & Co will continue to apply an uplift factor to account for disposal by retailer.

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Our commitment to reduce our carbon footprint and become a more sustainable business will be best demonstrated by our actions over the next 5 to 10 years. Our aim is to reduce the carbon footprint of our avocado products per functional unit year on year through Scope 1, 2 and 3 emissions reductions.

We are committed to taking industry leading steps in horticulture to be a leading example in an industry that is typically not well recognized for its environmental awareness and strive to inspire a movement that our future generations can be proud of.

To achieve emissions reductions overtime, we will implement strategies over the immediate (now – 5 years) and long term (5 – 10 years).

We understand the challenges ahead of us and know that thorough planning will be required to achieve ongoing emissions reduction.

Immediate Term Strategy

1. Consider the adoption of world leading water saving technology (developed in Israel) to monitor trees directly to apply the exact amount of water the tree requires based on environmental and phenological conditions. This will reduce pumping volumes of water and thus reduce our electricity consumptions.

2. Continue to use regenerative techniques, including, cover cropping & multispecies midrow pastures, to develop a healthy soil by stimulating good microbial culture, as well as reducing our fertilizer and chemical consumption. We will also explore the available mechanisms under which we can sequester carbon through soil carbon projects.

3. Source our electricity from renewable energy providers.

4. Optimise work schedules and programs to throughout the growing season.

5. Be proactive in waste recycling and segregation.

6. Consider switching our packaging materials to entirely recyclable materials

7. Be proactive in sourcing as many of our consumables from Climate Active carbon neutral certified sources.

Once these strategies have been implemented over the coming 5 years we are confident that we will be able to reduce our emissions from our baseline year by 30%.

Long Term Strategy

1. Uplifting current solar panel amount from 40kw to 250kw system
2. Implementing battery storage to totally optimize solar energy generation across all sites.
3. Investigate opportunities to produce our own biodiesel using onsite crops.
4. Investigate opportunities to utilize the biodiesel crops to produce mulch (hay) for trees

Once these strategies have been implemented over the next 10 years we will be able to reduce the embedded emissions in our avocados by 50%, compared with our current baseline emissions.

Emissions reduction actions

Due to a large crop emissions were generally higher than expected last year. However planning is underway to build up to 240kW solar system on the roof of the packaging shed which will greatly reduce the electricity component of our emissions.

Also, in tandem with our partners Carbon Neutral Avocados, we received consultancy advise around the possibility of sequestering carbon on our farms. One area of interest from that consultant paper for both parties was the possibility of getting a bio-diesel production facility build on-farm. This is an area we will continue to explore.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e	**Emissions intensity of the functional unit**
Base year:	2021–22 (projection)	823	0.618[1] $kgCO_2$-e/kg
Year 1:	2021–22 (actual)	1,339	1.145 $kgCO_2$-e/kg

Significant changes in emissions

Emission source	Current year (tCO_2-e)	Previous year (tCO_2-e)	Reason for change
Packaging materials and supplies	140	18.4	Larger than expected crop, more packages needed.
Electricity	234	145	Larger than expected crop, more time running packaging facility.
Fertiliser & Pesticides	219	33	Larger than expected crop, increase in both to maintain crop.

[1] When including uplifts, the projected emissions intensity was 0.655 $kgCO_2$-e/kg avocado.

Product emissions summary

Stage	tCO_2-e
Electricity	233.99
Hay	88.64
Chemicals & fertilisers	219.30
Pesticide	4.12
Diesel oil post-2004	166.72
Petrol / Gasoline post-2004	15.61
Machinery and equipment repair and maintenance services	7.15
Industrial and agricultural machinery embodied emissions & maintenance	5.41
Road freight	217.17
Rail or train freight	132.20
Marine freight	15.05
Packaging materials and supplies	140.10
General waste (municipal waste)	41.46
Total inventory emissions (without uplift)	**1286.92**

Uplift factors

Table 4

Reason for uplift factor	tonnes CO_2-e
Downstream storage, ripening and retail of avocados (1%)	12.87
Disposal of fruit by retailer and customer (3%)	38.61
Total uplift factors	51.48
Total to offset *(inventory + total uplift factors)*	**1,338.40**

Emissions intensity per functional unit *(including uplifts)*	0.001145 t CO_2-e/kg avocados
Number of functional units to be offset	1,169,000 kg of avocados
Total emissions to be offset	**1,339 t CO_2-e**

6. CARBON OFFSETS

Offsets retirement approach

Offset purchasing strategy: In arrears	
1. Total offsets previously forward purchased and banked for this report	830
2. Total emissions liability to offset for this report (tCO_2-e)	1,339
3. Additonal offsets required for this report	509
4. Additional offsets retired for this report	510
5. Eligible offsets banked for the next reporting period	1

Co-benefits

N/A

Eligible offsets retirement summary

Offsets retired 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)**	**Eligible quantity used for previous reporting periods**	**Eligible quantity banked for future reporting periods**	**Eligible quantity used for this reporting period**	**Percentage of total (%)**
Hebei Yuxian Second Phase 49.5MW Wind Power Project	VCU	VERRA	26/10/2021	8097-455242849-455243678-VCU-034-APX-CN-1-814-01012016-31122016-0	2016	830	0	0	830	62%
15 MW wind power project by Green Infra Wind Energy Assets Ltd	CER	CDM	02/11/2022	296,095,740 – 296,096,189	CP2	370[2]	0	1	369	28%
Bundled Wind Power Project at Theni	CER	UNFCCC	22/02/2023	310,968,096 – 310,968,235	CP2	140	0	0	140	10%
								Total offsets retired this report and used in this report	**1,339**	
								Total offsets retired this report and banked for future reports	**1**	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emissions Reductions (CERs)	509	38%
Verified Carbon Units (VCUs)	830	62%

[2] Total quantity retired is 450 units; the remaining 80 units have been used for other clients of Everclime, the company that assisted in preparing this report.

Additional evidence of retired carbon credits

United Nations
Framework Convention on
Climate Change

Carbon TradeXchange

DATE: 22 FEBRUARY 2023
REFERENCE: VC26914/2023

VOLUNTARY CANCELLATION CERTIFICATE

Presented to
Bendotti Avocado's

Project
Bundled Wind Power Project at Theni

Reason for cancellation
Cancellation Reason: Bendotti Avocado’s retires these credits to offset their emissions as part of the EcoAvo Product, classified as carbon neutral under the Climate Active scheme.

Number of units cancelled

140 CERs

Equivalent to 140 tonne(s) of CO_2

Start serial number: IN-5-310968096-2-2-0-6610 End serial number: IN-5-310968235-2-2-0-6610

The certificate is issued in accordance with the procedure for voluntary cancellation in the CDM Registry. The reason included in this certificate is provided by the cancellor.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

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.**

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.

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 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	0	0	0%
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)	53,687	0	19%
Residual electricity	235,106	233,922	0%
Total grid electricity	**288,793**	**233,922**	**19%**
Total electricity consumed (grid + non grid)	**288,793**	**233,922**	**19%**
Electricity renewables	53,687	0	
Residual electricity	235,106	233,922	
Exported on-site generated electricity	**0**	**0**	
Emissions ($kgCO_2$-e)		233,922	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual electricity emissions footprint (tCO_2-e)	**234**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity data (kWh)	Scope 2 emissions ($kgCO_2$-e)	Scope 3 emissions ($kgCO_2$-e)
WA	288,793	193,491	2,888
Grid electricity (scope 2 and 3)	**288,793**	**193,491**	**2,888**

WA	0	0	0
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total electricity consumed	**288,793**	**193,491**	**2,888**

Emissions footprint (tCO_2-e)	**196**
Scope 2 emissions (tCO_2-e)	193
Scope 2 emissions (tCO_2-e)	3

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions ($kgCO_2$-e)
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 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
Downstream storage, ripening and retail of avocados	Yes	Yes	Yes	No
Miscellaneous sources such as professional services and avocado disposal until point of retail	No	Yes	Yes	No

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
Refrigerants used in packing facility	Yes	Yes	Yes

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.

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 sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing
Emissions associated with consumption of avocados by consumers	No	No	No	No	No

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