PUBLIC DISCLOSURE STATEMENT

HOPPER FARMS PTY LTD (TRADING AS MALENY DAIRIES)

ORGANISATION CERTIFICATION

CY2021

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Hopper Farms Pty Ltd T/A Maleny Dairies
REPORTING PERIOD	Calendar year 1 January 2021 – 31 December 2021 Arrears report
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.*  Stephen Tait Chief Executive Officer 31 August 2022

Australian Government
Department of Industry, Science, Energy and Resources

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

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2,652 tCO_2-e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	30 July 2021 Andrew Aiken Losee Consulting Pty Ltd Next technical assessment due: 30 July 2024

Contents

2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for the 2nd year certification of the business operations of Hopper Farms Pty Ltd (trading as Maleny Dairies), ABN 42 616 103 774.

Maleny Dairies sources its milk from 13 locations. This certification covers the emissions related to the processes associated once the milk arrives to the Maleny Dairies Factory and is processed (including pasteurisation and bottling) for distribution.

The certification does not cover the emissions from dairy farms (and associated farming activities), where the milk is sourced from.

"Our products come directly from nature and we are committed to protecting the natural environment."

Organisation description

The Australian business operations for Hopper Farms Pty Ltd (business name Maleny Dairies) ABN 42 616 103 774. Maleny Dairies is a premium milk company situated in the picturesque hills of Maleny, on the Sunshine Coast Hinterland, Queensland Australia. The owner / operators, the Hopper's, have been farming this land since 1948 and are the fourth generation to run the property. In the year 2000, the milk industry was deregulated forcing thousands of farmers around Australia to close their farms. We too faced an uncertain future, but decided that we would fight back, by building our own processing and bottling plant. That's the beginning of the Maleny Dairies story and we've been proudly powering on since then.

Maleny Dairies is located at 70 McCarthy Road, Maleny, Queensland.

3. EMISSIONS BOUNDARY

Inside the emissions boundary

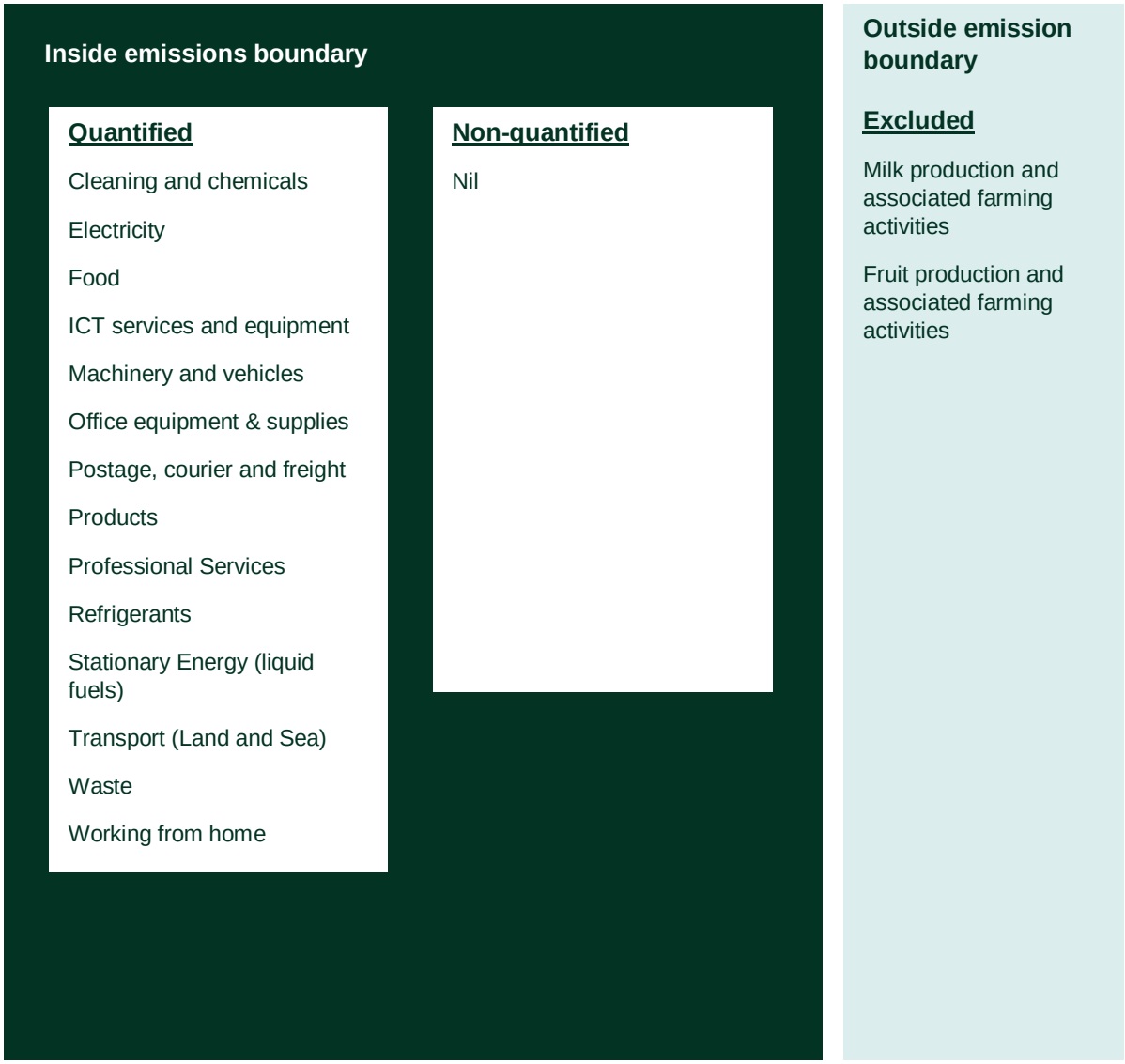
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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.



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

In the first certification year public disclosure statement, Maleny Dairies committed to developing a detailed emissions strategy over two years. This process is underway. It is anticipated that this strategy will include consideration of the opportunity to install solar photovoltaic panels on the roof of the dairy. The completed emissions reduction strategy for Maleny Dairies will be provided in the public disclosure statement for CY 2022 certification. Quantified and time-bound emissions reduction targets will be included in the emissions reduction strategy.

As part of Maleny Dairies Environment, Social and Governance (ESG) Policy Framework, the organisation has made the commitment to:

- Provide best care for animals by striving for health, welfare and nest care for the animals throughout their lives; and to
- Reduce the environmental impact by meeting the challenges of climate change and providing good stewardship of the natural resources.

Some of the progress that Maleny Dairies has taken to date are noted in the section below.

Emissions reduction actions

Maleny Dairies is continuing to review the operations of the organisation to reduce its emissions. The recent changes the organisation has undertaken include:

- Reducing waste by:
  - Introducing a lean manufacturing model which has reduced raw milk waste by two-thirds in over a six-week period. This has resulted in a reduced total running time of the factory by 15% and decreasing electricity and gas usage.
  - Installing air curtain in crate room.
  - Upgrading the computerised system to monitor key metrics for the factory in real time.
- Investigating a partnership with Volvo to advise on the optimal run resulting in improved fuel efficiency and driver performance.
- Appointing an Environment, Social, Governance and Stakeholder Manager.
- Commencing the review of supplier agreements to ensure the organisation is partnering with carbon neutral organisations and/or who have a focus on sustainability and their impact on the environment.

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5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		
		Total tCO_2-e
Base year/ Year 1:	Jan 2020– Dec 2020	2,361
Year 2:	Jan 2021– Dec 2021	2,652

Significant changes in emissions

There is no change in business operation. The total emission has risen mainly due to changes in the Climate Active emission factors, there have also been increases due to business organic growth and the inclusion of previously excluded emission sources such as professional services, and machinery and equipment.

Emission source name	Current year (activity data)	Previous year (activity data)	Detailed reason for change
Total net electricity emissions (market based)	1,315,066 $kgCO_2$-e	1,251,154 $kgCO_2$-e	The increase in the emission was due to business organic growth.
Plastic packaging	$790,213.37	$1,246,239.70	The decrease in the emission was due purchases being made in the previous year (2020) for the current year (2021). In addition, there was an increase in production in the previous year compared to the current year.
Stationary Energy (liquid fuels): Liquefied petroleum gas	129.26 kL	95.12 kL	The increase in the emission was due to business organic growth.
Transport (Land and Sea): Diesel oil post-2004	79.5 kL	86.4 kL	The decrease in the emissions was due to a decrease in vehicle use.
General waste (municipal waste)	219.15 tonnes	141.59 tonnes	The increase in the emission was due to a change in the default calculation of Waste worksheet in the Climate Active Calculator.

Use of Climate Active carbon neutral products and services

No Climate Active carbon neutral products and services were used.

Organisation emissions summary

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

Emission category	Sum of Scope 1 (tCO_2-e)	Sum of Scope 2 (tCO_2-e)	Sum of Scope 3 (tCO_2-e)	Sum of total emissions (tCO_2-e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Bespoke	0.00	0.00	0.00	0.00
Cleaning and Chemicals	0.00	0.00	76.71	76.71
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Construction Materials and Services	0.00	0.00	0.00	0.00
Electricity	0.00	1315.07	0.00	1315.07
Food	0.00	0.00	27.57	27.57
Horticulture and Agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	10.68	10.68
Machinery and vehicles	0.00	0.00	96.30	96.30
Office equipment & supplies	0.00	0.00	0.61	0.61
Postage, courier and freight	0.00	0.00	0.09	0.09
Products	0.00	0.00	188.43	188.43
Professional Services	0.00	0.00	9.91	9.91
Refrigerants	29.56	0.00	0.00	29.56
Roads and landscape	0.00	0.00	0.00	0.00
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary Energy (liquid fuels)	201.31	0.00	11.96	213.27
Stationary Energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	0.00	0.00
Transport (Land and Sea)	225.36	0.00	109.30	334.66
use for duplicates	0.00	0.00	0.00	0.00
Waste	0.00	0.00	350.64	350.64
Water	0.00	0.00	0.00	0.00
Working from home	0.00	0.00	-1.52	-1.52
Grand Total	**456.23**	**1315.07**	**880.68**	**2651.98**

Uplift factors

N/A

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	2,652
3.	Total eligible offsets required for this report	2,652
4.	Total eligible offsets purchased and retired for this report	2,852 (additional environmental restoration of 200 offsets)
5.	Total eligible offsets banked to use toward next year's report	0

Co-benefits

The project has assisted Mesudiye town in Ordu Province, the Republic of Türkiye in transitioning into clean renewable energy.

Hydroelectric plant operators have received training to enhance their skills in operating the technology.

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 (%)**
Darica-1 99 MW Hydro Power Plant, Turkey	VCU	Verra	31/08/2022	12780-434800719-434803370-VCS-VCU-208-VER-TR-1-506-01012014-31122014-0	2014	N/A	2,652	0	0	2,652	100%
									Total offsets retired this report and used in this report	2,652	
									Total offsets retired this report and banked for future reports	0	

Additional offsets cancelled for purposes other than 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 (TCO2-e)**	**Purpose of cancellation**
Darica-1 99 MW Hydro Power Plant, Turkey	VCU	Verra	31/08/2022	12780-434800519-434800718-VCS-VCU-208-VER-TR-1-506-01012014-31122014-0	2014	200	Additional environmental restoration (will not be used for future Climate Active claims)

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	2,852	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

At a recent industry forum, Queensland Dairyfarmers' Organisation (QDO) President Brian Tessmann shared results from a QDO survey of dairy farmers across Queensland. The survey showed that farm confidence had dropped dramatically due to the milk war, which had led to cuts in farm gate prices.

Ross Hopper, owner of Maleny Dairies, understands that for the dairy farmers to continue farming, they need to be paid a sustainable price for their milk. That's what we do at Maleny Dairies. We're able to pay our farmers a fair price for their product, enabling them to invest in their herds, families and in the long term, our community's sustainability. By choosing to purchase the Maleny Dairies products, whether it's our amazing range of delicious milks, yoghurts, cream, custard or all of them, you're not only supporting us, you're supporting our farmers. If you stand for Australian produce and want to support local, then we thank you for choosing Maleny Dairies products. The future of Australian dairy farming is in your hands.

Further emission actions undertaken by Maleny Dairies include ongoing review of supplier agreements and procurement processes with a focus on engaging with other businesses who are local, produce sustainable and recyclable goods and/or have established or establishing an ESG strategy in their organisation. Recent changes including:

- Purchase eco-friendly uniforms, including our waterproof jackets that contain 100% certified recyclable polyester.
- Sourcing and selling locally produced food and beverages at the Milk Bar.
- Sourcing business cards with built in NFC technology so numerous cards being printed is unnecessary.
- Purchasing new product packaging from Australia, rather than overseas.

An additional initiative has been working with the dairy cattle farmers to run a pilot with Ceras Tag who are using satellite technologies, tagging a number of their cows so they can monitor the health and wellbeing of our animals, as well as identify new means of producing the same high yield of milk by using more sustainable sources of feed.

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	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)	301,004	0	19%
Residual Electricity	1,322,534	1,315,066	0%
Total grid electricity	**1,623,538**	**1,315,066**	**19%**
Total Electricity Consumed (grid + non grid)	**1,623,538**	**1,315,066**	**19%**
Electricity renewables	301,004	0	
Residual Electricity	1,322,534	1,315,066	
Exported on-site generated electricity	**0**	**0**	
Emissions ($kgCO_2$-e)		1,315,066	

Total renewables (grid and non-grid)	**18.54%**
Mandatory	**18.54%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual Electricity Emission Footprint (tCO_2-e)	**1,315**

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)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	0	0	0
QLD	1,623,538	1,298,830	194,825
NT	0	0	0
WA	0	0	0
TAS	0	0	0
Grid electricity (scope 2 and 3)	**1,623,538**	**1,298,830**	**194,825**
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	0	0	0
QLD	0	0	0
NT	0	0	0
WA	0	0	0
TAS	0	0	0
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**1,623,538**	**1,298,830**	**194,825**

Emission Footprint (tCO_2-e)	**1,494**
Scope 2 Emissions (tCO_2-e)	1299
Scope 3 Emissions (tCO_2-e)	195

Climate Active Carbon Neutral Electricity summary

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 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.

There are no non-quantified emissions in the inventory.

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	N/A	N/A	N/A	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 milk and fruit productions and associated farming activities have been excluded as it has been assessed as not relevant according to the relevance test and as such, they have not been included in Public Disclosure Statement or carbon inventory.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
Milk production and associated farming activities	Yes	No	No	No	No	No
Fruit production and associated farming activities	No	No	No	No	No	No

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