PUBLIC DISCLOSURE STATEMENT

LOOP ORGANICS PTY LTD

ORGANISATION/PRECINCT CERTIFICATION
FY2022-23

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Loop Organics Pty Ltd
REPORTING PERIOD	1 July 2022 – 30 June 2023 [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.* Lisa Rawlinson Managing Director 16 October 2023

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

Version August 2023.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	2727 tCO_2-e
OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	18.8%
CARBON ACCOUNT	Prepared by: Loop Organics Pty Ltd
TECHNICAL ASSESSMENT	6 March 2025 Presync Next technical assessment due: FY 2024-25 report

Contents

2.CARBON NEUTRAL INFORMATION

Description of certification

This certification is for the Australian business operations of Loop Organics Pty Ltd, (ABN 59 160 028 026).

The certification and the base year are financial year 2021-22.

The boundary has been defined based on an operational control approach and covers the business operations of the company which are based in:

- 6/65 Queen Street, Berry, NSW 2535
- 711 and 1290 Greendale Road, Wallacia NSW 2745
- 415 Appin Road, Appin NSW 2560
- 505 Remembrance Drive, Cawdor NSW 2570
- 74 Lemington Road, Ravensworth NSW 2330

Organisation description

Loop Organics provides sustainable organic waste solutions through contracting and consulting for the treatment, collection, transportation, processing and reusing of organic by-products (biosolids, green waste, food waste and other organic residuals) and wastewater effluents. Loop Organics processes organics via composting and reuse through direct land application. Products include compost, cattle & silage production, and farm management services.

Loop Organics views waste as an input product starting its lifecycle not as an end of life by product. We create sustainable solutions that responsibly return organics to the earth.

Certified Entity: Loop Organics Pty Ltd

ABN of certified entity: ABN 59 160 028 026

Trading names: Loop Organics Pty Ltd

The following subsidiaries are also included within this certification:

Legal entity name	ABN	ACN

The following entities are excluded from this certification:

Legal entity name	ABN	ACN
Loop Organics Pastoral Pty Ltd	77 634 835 635	634 835 635

3. EMISSIONS BOUNDARY

Inside the emissions boundary

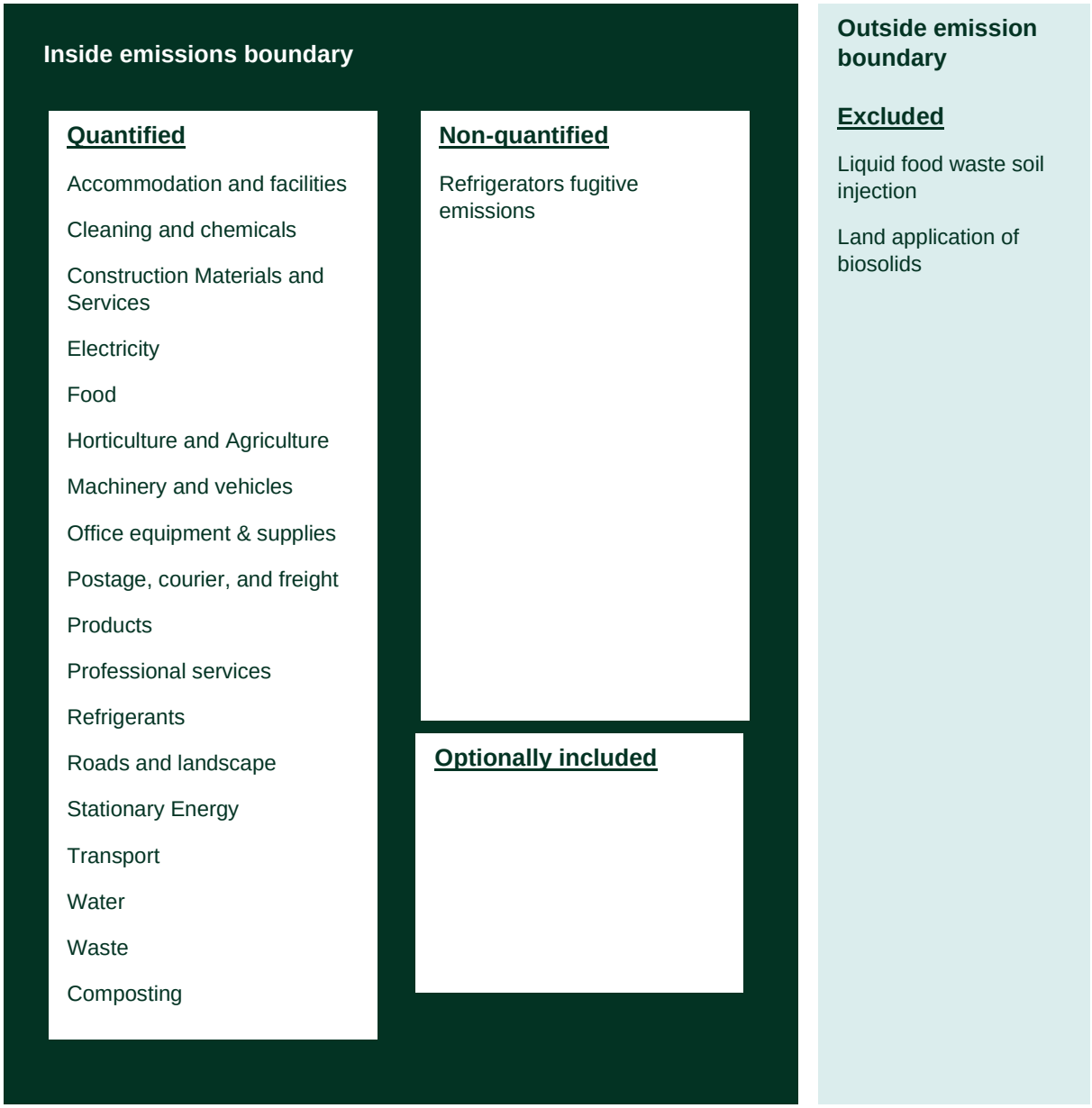
All emission sources listed in the emissions boundary are part of the carbon neutral claim.

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 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

The fugitive emissions from the refrigerants used in the two refrigerators haven't been quantified due to immateriality. There are no non-quantified sources in the emission boundary that require a data management plan.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Nearly half of Loop Organics' emissions are from the process emissions from composting. These activities generate environmental impacts that Loop Organics are not the cause of, since they are not responsible for the creation of the waste. Nevertheless, these emissions constitute direct emissions for Loop Organics. Without composting by Loop Organics, the treated waste could have ended up in landfills, leading to a significantly larger environmental impact.

Loop Organics commits to reduce its emissions by 50% by 2030, from a 2021/2022 base year. The following emissions reduction actions will be implemented to reduce our carbon footprint:

Fuel:

- Loop Organics will invest in its first electric heavy vehicle when the technology enables double shifting of vehicles and charging at clients sites.

Electricity:

- Loop Organics already uses Climate Active certified electricity for some of the sites and will switch all non-Climate Active accounts as contracts are renewed.
- GreenPower or carbon neutral for other sites
- With electrification of the fleet, the electricity use will increase and will just the installation of a solar at the permanent sites.

Other:

- Prioritise the purchase of carbon neutral products/services wherever possible.
- Investigate and participate in carbon capture programs from soil improvements/amelioration to offset the large impact of composting. Loop Organics currently incorporates compost back into soil for mining rehabilitation and agricultural improvement.

Emissions reduction actions

Loop Organics has test driven electric prime movers as part of its electrification of fleets.

Loop Organics continues to purchase carbon neutral products and services where possible.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO_2-e (without uplift)	Total tCO_2-e (with uplift)
Base year:	2021-22	2916.35	2916.35
Year 1:	2022-23	2727.33	2727.33

Significant changes in emissions

Emission source	Previous year emissions (kg CO_2-e)	Current year emissions (kg CO_2-e)	Reason for change
Industrial machinery and equipment	67598.1	359885.1	Large capital purchases to enable expansion of compost facility to meet diversion of waste from landfill targets
Diesel oil post-2004	853683.1305	988585.4748	Scope 3 emissions factors effecting emissions despite usage reduced.

Use of Climate Active carbon neutral products, services, buildings or precincts

Certified brand name	Product/Service/Building/Precinct used

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 (t CO_2-e)
Accommodation and facilities	0.00	0.00	6.38	6.38
Cleaning and chemicals	0.00	0.00	6.37	6.37
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Construction materials and services	0.00	0.00	5.81	5.81
Electricity	0.00	3.61	0.48	4.09
Food	0.00	0.00	2.77	2.77
Horticulture and Agriculture	0.00	0.00	0.00	0.00
Machinery and vehicles	0.00	0.00	450.55	450.55
Postage, courier and freight	0.00	0.00	0.45	0.45
Products	0.00	0.00	0.79	0.79
Professional services	0.00	0.00	0.00	0.00
Refrigerants	0.05	0.00	0.00	0.05
Roads and landscape	0.00	0.00	0.00	0.00
Stationary energy (gaseous fuels)	0.23	0.00	0.02	0.24
Transport (air)	0.00	0.00	1.96	1.96
Transport (land and sea)	812.50	0.00	234.94	1047.44
Waste	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.66	0.66
Working from home	0.00	0.00	1.87	1.87
Office equipment and supplies	0.00	0.00	2.86	2.86
Scope 3 - Fuel and energy related activities	0.00	0.00	2.55	2.55
Waste Treatment	1192.50	0.00	0.00	1192.50
Total emissions	**2005.27**	**3.61**	**718.45**	**2727.33**

Uplift factors

N/a

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken is a combination of an in-arrears offsetting approach. The total emission to offset is 2727 t CO_2-e. The total number of eligible offsets used in this report is 2727 t CO_2-e. Of the total eligible offsets used, 96 t CO_2-e were previously banked and 2631 were newly purchased and retired.

Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset unit	Quantity used for this reporting period	Percentage of total units used
Certified Emissions Reductions (CERs)	2005	73.52%
Verified Carbon Units (VCUs)	722	26.48%

Project name	Type of offset unit	Registry	Date retired	Serial number	Vintage	Total quantity retired	Quantity used in previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period	Percentage of total used this reporting period
Jiangsu Dongling Wind	CER	ANREU	13/02/2023	1,115,078,740 - 1,115,081,023	2018	2284	2215	0	69	2.53%
SWPPL Wind power project	CER	ANREU	20/12/2023	319,168,615 – 319,169,150	2019	536	0	0	536	19.66%
Jiangsu Dongling Wind	CER	ANREU	20/12/2023	1,114,054,002 1,114,055,401	2020	1400	0	0	1400	51.34%
Ghani Solar Renewable Power Project	VCU	ANREU	30/04/2025	GS1-1-ZM-GS11604-16-2023-27205-1-400	2022	2502	0	1780	722	26.48%

Co-benefits

Jiangsu Dongling Wind Farm Project is located along the Yellow Sea in the Jiangsu Province, China. This project introduces clean energy into the nation's rapidly expanding power grid and displaces electricity which would otherwise be supplied by a local coal-fired power plant. This project created 30 long-term employment opportunities.

Wind power has some of the lowest environmental impacts of any source of electricity generation. Unlike conventional sources, wind power significantly reduces carbon emissions, saves billions of gallons of water a year and cuts pollution that creates smog and causes health problems. These projects also create employment in the emerging renewable energy industry and help to stimulate local business development.

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/a

APPENDIX A: ADDITIONAL INFORMATION

N/a

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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.

For this certification, electricity emissions have been set by using the **market-based approach**.

Market-based approach summary

Market-based approach	Activity Data (kWh)	Emissions (kg CO_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)	0	0	0%
GreenPower	0	0	0%
Climate Active precinct/building (voluntary renewables)	0	0	0%
Precinct/Building (LRET)	0	0	0%
Precinct/Building jurisdictional renewables (LGCS surrendered)	0	0	0%
Electricity products (voluntary renewables)	0	0	0%
Electricity products (LRET)	0	0	0%
Electricity products jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LGCs surrendered)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	991	0	19%
Residual Electricity	4,281	4,089	0%
Total renewable electricity (grid + non grid)	**991**	**0**	**19%**
Total grid electricity	**5,273**	**4,089**	**19%**
Total electricity (grid + non grid)	**5,273**	**4,089**	**19%**
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	**4,281**	**4,089**	
Scope 2	3,781	3,611	
Scope 3 (includes T&D emissions from consumption under operational control)	500	478	
Residual electricity consumption not under operational control	**0**	**0**	
Scope 3	0	0	

Total renewables (grid and non-grid)	**18.80%**
Mandatory	**18.80%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual scope 2 emissions (t CO_2-e)	**3.61**
Residual scope 3 emissions (t CO_2-e)	**0.48**
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**3.61**
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO_2-e)	**0.48**
Total emissions liability (t CO_2-e)	**4.09**

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

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. 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	Justification reason

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation'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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
Liquid food waste soil injection	Y	N	N	N	N	Liquid food waste soil has been excluded as it has been assessed as not relevant according to the relevance test.
List excluded emission source here	Y	N	N	N	N	Land application of biosolids have been excluded as it has been assessed as not relevant according to the relevance test.

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