



PUBLIC DISCLOSURE STATEMENT

LOOP ORGANICS PTY LTD

ORGANISATION CERTIFICATION

FY2023–24

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



| | |
|--------------------------|---|
| NAME OF CERTIFIED ENTITY | Loop Organics Pty Ltd |
| REPORTING PERIOD | 1 July 2023 – 30 June 2024 Arrears report |
| 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>Lisa Rawlinson Managing Director</p> |



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

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Version 9.1.



1. CERTIFICATION SUMMARY

| | |
|------------------------|---|
| TOTAL EMISSIONS OFFSET | 2547 tCO ₂ -e |
| CARBON OFFSETS USED | 14.72% ACCUs 69.85% VCUs 15.43% VERs |
| RENEWABLE ELECTRICITY | 19.18% |
| CARBON ACCOUNT | Prepared by: Loop Organics Pty Ltd |
| TECHNICAL ASSESSMENT | 6 March 2025 Presync Next technical assessment due: FY 2024-25 report |

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2. CERTIFICATION INFORMATION

Description of organisation certification

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

The certification covers the financial year 2023-24.

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

This Public Disclosure Statement includes information for FY2023.24 reporting period.

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

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.

| Inside emissions boundary | | Outside emission boundary |
|---|--|---|
| <p><u>Quantified</u></p> <ul style="list-style-type: none"> Accommodation and facilities Carbon neutral products and services Cleaning and chemicals Composting Construction Materials and Services Electricity Food Horticulture and Agriculture ICT services and equipment Machinery and vehicles Office equipment & supplies Postage, courier, and freight Products Professional services Refrigerants Roads and landscape Stationary Energy Transport Water Waste Working from home | <p><u>Non-quantified</u></p> <ul style="list-style-type: none"> Refrigerators fugitive emissions | <p><u>Excluded</u></p> <ul style="list-style-type: none"> Liquid food waste soil injection Land application of biosolids |
| | <p><u>Optionally included</u></p> | |

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 by 2027.

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 with all contracts to be switched by 2028.
- GreenPower or carbon neutral for other sites
- With electrification of the fleet, electricity use will increase and will justify the installation of solar at our permanent sites.

Other:

- Prioritise the purchase of carbon neutral products/services wherever possible.
- Loop Organics will continue to partner with other waste management companies to divert food organics from landfill in alignment with the NSW EPA Food Waste Mandates.

Emissions reduction actions

Loop Organics has been collaborating with industry partners in bin trim programs investing in food depackaging equipment that allows food wastes to be diverted from landfill. Whilst generating and increasing Scope 1 emissions for Loop Organics, the emissions are abated through diversion from landfill.

Loop Organics continues its move towards electric prime movers to replace older diesel engines once retired. Also carbon neutral products and services are prioritized 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/ Year 1: | 2021-22 | 2916.35 | 2916.35 |
| Year 2: | 2022-23 | 2727.33 | 2727.33 |
| Year 3: | 2023-24 | 2546.27 | 2546.27 |

Significant changes in emissions

| Significant changes in emissions | | | |
|----------------------------------|--|---|-------------------------------|
| Emission source | Previous year emissions (t CO ₂ -e) | Current year emissions (t CO ₂ -e) | Reason for change |
| Diesel oil post-2004 | 988.59 | 1095.27 | Change of processing products |

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

| Certified brand name | Product/Service/Building/Precinct used |
|-----------------------|--|
| Simply Energy (ENGIE) | Electricity |

Emissions summary

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

| Emission category | Scope 1 emissions (tCO ₂ -e) | Scope 2 emissions (tCO ₂ -e) | Scope 3 emissions (tCO ₂ -e) | Total emissions (t CO ₂ -e) |
|---|---|---|---|--|
| Accommodation and facilities | 0.00 | 0.00 | 9.83 | 9.83 |
| Cleaning and chemicals | 0.00 | 0.00 | 2.65 | 2.65 |
| Climate Active carbon neutral products and services | 0.00 | 0.00 | 0.00 | 0.00 |
| Construction materials and services | 0.00 | 0.00 | 3.71 | 3.71 |
| Electricity | 0.00 | 2.26 | 0.28 | 2.54 |
| Food | 0.00 | 0.00 | 2.19 | 2.19 |
| Horticulture and agriculture | 1,269.05 | 0.00 | 0.00 | 1269.05 |
| ICT services and equipment | 0.00 | 0.00 | 0.05 | 0.05 |
| Machinery and vehicles | 0.00 | 0.00 | 88.35 | 88.35 |
| Office equipment and supplies | 0.00 | 0.00 | 1.41 | 1.41 |
| Postage, courier and freight | 0.00 | 0.00 | 0.44 | 0.44 |
| Products | 0.00 | 0.00 | 1.25 | 1.25 |
| 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) | 0.00 | 0.00 | 0.00 | 0.00 |
| Stationary energy (liquid fuels) | 0.14 | 0.00 | 0.72 | 0.85 |
| Stationary energy (solid fuels) | 0.00 | 0.00 | 0.00 | 0.00 |
| Transport (air) | 0.00 | 0.00 | 14.02 | 14.02 |
| Transport (land and sea) | 898.13 | 0.00 | 242.82 | 1140.94 |
| Waste | 0.00 | 0.00 | 0.00 | 0.00 |
| Water | 0.00 | 0.00 | 8.38 | 8.38 |
| Working from home | 0.00 | 0.00 | 0.55 | 0.55 |
| Grand Total | 2,167.36 | 2.26 | 376.65 | 2546.27 |

6. CARBON OFFSETS

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 |
|--|---|--------------------------------|
| Australian Carbon Credit Units (ACCUs) | 375 | 14.72% |
| Verified Carbon Units (VCUs) | 1779 | 69.85% |
| Verified Emissions Reductions (VERs) | 393 | 15.43% |

| 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 |
|--|---------------------|-------------------------------|--------------|---|---------|------------------------|---|--|---|--|
| Ghani Solar Renewable Power Project by Greenko Group | VCU | Verra Registry | 30/04/2025 | 15619-702974677-702977178-VCS-VCU-997-VER-IN-1-1792-01012022-31102022-0 | 2022 | 2502 | 723 | 0 | 1779 | 69.85% |
| Evercreech Plantation Forestry Project | ACCU | ANREU | 30/04/2025 | 3,797,822,718 - 3,797,823,092 | 2019-20 | 375 | 0 | 0 | 375 | 14.72% |
| Improved Cookstoves for Rural Zambia | VER | Gold Standard Impact Registry | 30/04/2025 | GS1-1-ZM-GS11604-16-2023-27205-1-400 | 2023 | 400 | 0 | 7 | 393 | 15.43% |
| Offset Totals: | | | | | | 3277 | 723 | 7 | 2547 | 100.00% |

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 certified - Precinct/Building (voluntary renewables) | 0 | 0 | 0% |
| Climate Active certified - Precinct/Building (LRET) | 0 | 0 | 0% |
| Climate Active certified - Precinct/Building jurisdictional renewables (LGCs surrendered) | 0 | 0 | 0% |
| Climate Active certified - Electricity products (voluntary renewables) | 29 | 0 | 0% |
| Climate Active certified - Electricity products (LRET) | 480 | 0 | 8% |
| Climate Active certified - 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) | 644 | 0 | 11% |
| Residual electricity | 4,855 | 4,418 | 0% |
| Total renewable electricity (grid + non grid) | 1,152 | 0 | 19% |
| Total grid electricity | 6,007 | 4,418 | 19% |
| Total electricity (grid + non grid) | 6,007 | 4,418 | 19% |
| Percentage of residual electricity consumption under operational control | 100% | | |
| Residual electricity consumption under operational control | 4,855 | 4,418 | |
| Scope 2 | 4,321 | 3,932 | |
| Scope 3 (includes T&D emissions from consumption under operational control) | 533 | 485 | |
| Residual electricity consumption not under operational control | 0 | 0 | |
| Scope 3 | 0 | 0 | |

| | |
|--|---------------|
| Total renewables (grid and non-grid) | 19.18% |
| Mandatory | 18.70% |
| Voluntary | 0.48% |
| Behind the meter | 0.00% |
| Residual scope 2 emissions (t CO₂-e) | 4.34 |
| Residual scope 3 emissions (t CO₂-e) | 0.54 |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 2.26 |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e) | 0.28 |
| Total emissions liability (t CO₂-e) | 2.54 |

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

| Location Based Approach Summary | | | | | | |
|--|---------------------------|---------------------------|---|---|-------------------------------|---|
| Location Based Approach | Activity Data (kWh) total | Under operational control | | | Not under operational control | |
| | | (kWh) | Scope 2 Emissions (kg CO ₂ -e) | Scope 3 Emissions (kg CO ₂ -e) | (kWh) | Scope 3 Emissions (kg CO ₂ -e) |
| Percentage of grid electricity consumption under operational control | 100% | | | | | |
| ACT | 0 | 0 | 0 | 0 | 0 | 0 |
| NSW | 6,007 | 6,007 | 4,085 | 300 | 0 | 0 |
| SA | 0 | 0 | 0 | 0 | 0 | 0 |
| VIC | 0 | 0 | 0 | 0 | 0 | 0 |
| QLD | 0 | 0 | 0 | 0 | 0 | 0 |
| NT | 0 | 0 | 0 | 0 | 0 | 0 |
| WA | 0 | 0 | 0 | 0 | 0 | 0 |
| TAS | 0 | 0 | 0 | 0 | 0 | 0 |
| Grid electricity (scope 2 and 3) | 6,007 | 6,007 | 4,085 | 300 | 0 | 0 |
| ACT | 0 | 0 | 0 | 0 | | |
| NSW | 0 | 0 | 0 | 0 | | |
| SA | 0 | 0 | 0 | 0 | | |
| VIC | 0 | 0 | 0 | 0 | | |
| QLD | 0 | 0 | 0 | 0 | | |
| NT | 0 | 0 | 0 | 0 | | |
| WA | 0 | 0 | 0 | 0 | | |
| TAS | 0 | 0 | 0 | 0 | | |
| Non-grid electricity (behind the meter) | 0 | 0 | 0 | 0 | | |
| Total electricity (grid + non grid) | 6,007 | | | | | |

| | |
|---|-------------|
| Residual scope 2 emissions (t CO ₂ -e) | 4.08 |
| Residual scope 3 emissions (t CO ₂ -e) | 0.30 |
| Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e) | 2.34 |
| Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e) | 0.17 |
| Total emissions liability (t CO₂-e) | 2.51 |

Operations in Climate Active buildings and Precincts

| Operations in Climate Active buildings and precincts | Electricity consumed in Climate Active certified building/precinct (kWh) | Emissions (kg CO ₂ -e) |
|--|--|-----------------------------------|
| N/A | 0 | 0 |
| <i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their building or precinct certification. This electricity consumption is also included in the market based and location based summary tables. Any electricity that has been sourced as renewable electricity by the building/precinct under the market based method is outlined as such in the market based summary table.</i> | | |

Climate Active carbon neutral electricity products

| Climate Active carbon neutral electricity product used | Electricity claimed from Climate Active electricity products (kWh) | Emissions (kg CO ₂ -e) |
|---|--|-----------------------------------|
| Simply Energy (ENGIE) | 2,569 | 0 |
| <i>Climate Active carbon neutral electricity is not renewable electricity. These electricity emissions have been offset by another Climate Active member through their electricity product certification. This electricity consumption is also included in the market based and location-based summary tables. Any electricity that has been sourced as renewable electricity by the electricity product under the market-based method is outlined as such in the market-based summary table.</i> | | |

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 |
|--|----------------------|
| Fugitive emission from refrigerators | Immaterial |

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 | <p>Size: The volume of liquid food waste managed through soil injection is material and therefore recognised as a potentially notable emissions source. However, most of the associated emissions are biogenic, as the waste is derived from organic matter. This practice also enhances soil carbon levels, contributing positively to carbon sequestration.</p> <p>Influence: Loop Organics has no influence over how the soil is managed after injection. Additionally, the process of soil injection avoids emissions that could result from alternative disposal methods.</p> <p>Risk: There is no reputational, legal, or operational risk associated with this activity. Soil injection is a compliant and permitted waste treatment method.</p> <p>Stakeholders: There is no indication that customers, investors, or community members are particularly concerned with this activity or expect it to be included in emissions reporting.</p> <p>Outsourcing: This process is not an outsourced part of our operations.</p> |
| Land application of biosolids | Y | N | N | N | N | <p>Size: The volume of biosolids managed through soil injection is material and therefore recognised as a potentially notable emissions source. However, most of the associated emissions are biogenic, and the practice contributes to soil health and carbon retention, which have net positive environmental outcomes.</p> <p>Influence: Loop Organics has no influence over how the soil is managed after injection. Additionally, the process of land application avoids emissions that could result from alternative disposal methods.</p> <p>Risk: There is no reputational, legal, or operational risk associated with the land application of biosolids. It is a regulated and commonly accepted practice in the waste sector.</p> <p>Stakeholders: There is no indication that customers, investors, or community members are particularly concerned with this activity or expect it to be included in emissions reporting.</p> <p>Outsourcing: This process is not an outsourced part of our operations.</p> |



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