



PUBLIC DISCLOSURE STATEMENT

GREENFLEET AUSTRALIA

ORGANISATION CERTIFICATION


CY2022

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Greenfleet Australia
REPORTING PERIOD	Calendar year 1 January 2022 – 31 December 2022 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>DocuSigned by:  A6E3E3AE872F4DE...</p> <p>wayne wescott CEO 12/4/2024</p>



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

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Version March 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	541 tCO ₂ -e
OFFSETS USED	100% VCU
RENEWABLE ELECTRICITY	31.79%
CARBON ACCOUNT	Prepared by: <u>Pangolin Associates Pty Ltd.</u>
TECHNICAL ASSESSMENT	28/08/2023 Pangolin Associates Next technical assessment due: CY2025

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral certification is for the business operations of Greenfleet Australia and cover the reporting period from 1 January 2022 to 31 December 2022. The methods used for collating data, performing calculations, and presenting the carbon account are in accordance with the following standards:

- Climate Active Carbon Neutral Standard for Organisations
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008.

An operational control approach has been taken to define Greenfleet's emission boundary.

Organisation description

Greenfleet, ABN: 22 095 044 465, is a leading environmental not-for-profit organisation protecting our climate by restoring our forests.

This certification includes the following locations and facilities:

- Level 4, 517 Flinders Lane, Melbourne 3000 VIC
- Employees working remotely in NSW and QLD

Greenfleet plants native biodiverse forests to capture carbon emissions and help fight the impacts of climate change. Greenfleet is Australia's first carbon offset provider and since 1997 has planted over 10.5 million trees creating more than 550 forests in Australia and New Zealand, to offset more than 4.4 million tonnes of CO₂-e.

Greenfleet forests are legally protected for up to 100 years, conserving biodiversity and restoring habitat for wildlife, including many endangered species.

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
<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
Accommodation and facilities	Refrigerants	N/A
Cleaning and Chemicals		
Climate Active Carbon Neutral Products and Services		
Electricity		
Food		
Horticulture and Agriculture		
ICT services and equipment		
Machinery and vehicles		
Office equipment & supplies		
Postage, courier and freight		
Professional Services		
Transport (Air)		
Transport (Land and Sea)		
Waste		
Water		
Working from home		
	<u>Optionally included</u>	
	N/A	

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Greenfleet's first year achieving carbon neutrality was in 2019. Greenfleet has committed to reduce emissions across its operational activities to at least 30% below base year 2019 levels by 2030.

Greenfleet's challenge in achieving this target must be measured against sustainable organisational growth and increasing boundaries of our measurement approach. For the last two years, we were on track towards our 2019 target but have now decided to expand our emissions boundary and pursue a 'per new hectare' target. We deem this a more appropriate way to measure, and target based on this intensity now that our boundary has expanded to include land-based activities (contractor diesel, nursery & pesticides which have made up 72% of our emissions in CY2022).

We accept that the expanded boundary includes emission sources relevant to our overarching goal, which is to deliver climate action through long-term carbon removal. While Greenfleet must seek to manage and reduce our operational impact, this must be measured against the benefit of increased carbon removals Greenfleet is achieving through our organisational output.

We planted more than 490 hectares in CY2022, which equates to an emission average of 1.1 tonnes per hectare planted. We aim to reduce this emissions intensity by 3% by 2030. These targets will be reviewed annually.

The definition of "hectare planted" includes include new plantings, replanting and infill plantings. It may not include sites that we monitored throughout those years. We regularly monitor our sites to ensure the best chance of survival and determine if any areas need some additional planting.

To further reduce our emissions, Greenfleet has the following commitments:

1. Establish stronger baselines to further review and improve processes to achieve emission reductions focusing on the areas with highest emission impact.

Greenfleet's core business is planting native biodiverse forests in regional locations across Australia to remove carbon emissions. We work with local contracting teams in the regions we plant. While investing locally decreases the need for extensive travel when sourcing trees and services needed for our work, third-party emissions will require considered ongoing management. Greenfleet included the products, materials, and equipment of our contractors, as well as for horticultural supply chains for the first time in CY 2022. The emissions associated with these activities account for 57% of Greenfleet's total emissions. By investing in smaller contracting suppliers in regional Australia Greenfleet is helping to strengthen economic resilience and social cohesion. In remote regions with lower employment prospects, our demand for services can provide opportunities such as training and upskilling, through careful measurement and management, Greenfleet expects to influence processes and operations of our contractors and suppliers to reduce these emissions over the coming years.

2. Continue working and partnering with suppliers offering carbon neutral goods and services.

Greenfleet is committed to report on and consider all mandatory emissions from activities under our direct

control such as office paper consumption, postage, and business travel flights. The use of paper supply from Reflex, which is a carbon neutral good has completely reduced our emissions on this category. Greenfleet will review new office supplies and anything that can be purchased carbon neutral. Greenfleet will further investigate using carbon neutral services for accommodations and hotels for business trips and opt for a 'green' hotel. We will engage with key suppliers of pesticides and plants to further understand the impact of these sources, with data management practices such as supplier-specific emission factors if feasible.

3. Review vehicle fuel consumption to prioritise more efficient business travel options

Transport fuels for our vehicle fleet as well as third party contractor vehicles and machinery contribute around 15% of our organisation's total greenhouse gas emissions. Our revegetation staff travel remotely across Australia to deliver reforestation works. Greenfleet's fleet policy will be evaluated to include quantifiable consumption and emission reduction targets and as vehicle changeover is required, more efficient models will be prioritised. We will also explore feasibility of updating our travel and expense policies (e.g. 'batching' travel requirements for meetings and events to minimise long-distance travel).

4. Favor nature-based offsets from renewable sources, which draw carbon from the atmosphere and improve conditions for biodiversity.

To maintain carbon neutrality, we offset our remaining emissions by purchasing carbon offset products that are funding renewable energy and critical biodiversity projects in the country and overseas. This will be an ongoing activity for us in the next ten years.

5. Greenfleet will facilitate an increase in climate change action knowledge and capability across the organisation

Greenfleet will facilitate an increase in climate change action knowledge and capability across the organisation by encouraging all its employees to reduce their carbon footprint while working from home. Emissions from remote working currently account for around 2% of our total emissions, but our office is now increasingly also in use. Greenfleet will encourage its staff working from home to observe practices aimed at reducing carbon footprints such as switching to energy-saving lightbulbs in the home-office, replacing energy-inefficient devices with the latest green technology alternatives and choosing eco-friendly office equipment. Greenfleet will regularly monitor and report on its staff's contributions to emission reduction and capacity to act on climate change. We will support our staff to undertake climate action in their roles, and foster an open-minded, innovative, and collaborative culture. This activity will be reviewed annually.

6. Explore novel and efficient land management practices

Due to the nature of Greenfleet's offering, we require strict guidance and guidelines on land management practices, which involve diesel & pesticide usage, to ensure our plants and trees are grown for maximum carbon and biodiversity impact. As such, we are currently quite limited in the amount of these products we use. However, as land management practices & products improve, we will continue to research best-practice to reduce our emissions. We currently do not have a target against this action but will continue to aim for best practice.

Emissions reduction actions

Greenfleet sequesters carbon in Australia and New Zealand to help fight the impact of climate change and has been measuring, reducing, and offsetting our carbon footprint for many years.

Greenfleet have moved to GreenPower in our office, which has reduced electricity emissions.

Since 1997, Greenfleet has planted over 10.5 million trees, creating more than 550 biodiverse forests in Australia and New Zealand, which are protected for up to 100 years and have offset more than 4.4 million tonnes of CO₂-e. Greenfleet's first year achieving carbon neutrality was in 2019. We have worked hard to reduce the greenhouse gas emissions of our operations and have committed to various actions and projects this year to achieve carbon neutrality. Our measured carbon footprint increases dramatically in CY2022, however this is largely due to more effective and thorough measurement processes.

Greenfleet has continued its commitment to report on and consider all mandatory emissions from activities under our direct control and is now also including emissions from third-party contractors to better understand the impact of our work so we can influence for more efficient and effective outcomes.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base Year/Year1:	CY2019	104.9
Year 2:	CY2020	68.6
Year 3:	CY2021	82.7
Year 4:	CY2022	540.8

Significant changes in emissions

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Diesel oil post-2004 (GJ)	12.7	96.7	Third party diesel (contractors and their use of vehicles & machinery) is now included.
Plants (from nurseries)	0	131.3	Greenfleet have assessed their boundary and have determined plants from nurseries to be material and relevant.
Pesticides	0	175.9	Greenfleet have assessed their boundary and have determined pesticides to be material and relevant.

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

Certified brand name	Product/Service/Building/Precinct used
Pangolin Associates	Climate Active Certification
Opal Australian Paper	Reflex paper

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	2.91	2.91
Cleaning and Chemicals	0.00	0.00	0.00	0.00
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	1.64	12.52	14.16
Food	0.00	0.00	3.20	3.20
Horticulture and Agriculture	0.00	0.00	311.69	311.69
ICT services and equipment	0.00	0.00	4.66	4.66
Machinery and vehicles	0.00	0.00	1.28	1.28
Office equipment & supplies	0.00	0.00	0.07	0.07
Postage, courier and freight	0.00	0.00	0.71	0.71
Professional Services	0.00	0.00	36.87	36.87
Transport (Air)	8.26	0.00	24.20	32.47
Transport (Land and Sea)	18.29	0.00	104.89	123.18
Waste	0.00	0.00	0.07	0.07
Water	0.00	0.00	0.42	0.42
Working from home	0.00	0.00	9.05	9.05
Total emissions	26.55	1.64	512.55	540.75

Uplift factors

N/A.

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken in-arrears offsetting approach. The total emission to offset is 541 t CO₂-e. The total number of eligible offsets used in this report is 541. Of the total eligible offsets used, 0 were previously banked and 541 were newly purchased and retired. 0 are remaining and have been banked for future use.

Co-benefits

150 MW grid connected Wind Power based electricity generation project in Gujarat, India

The main purpose of the project is to generate renewable electricity using wind power and feed the generated output to the local grid in Gujarat, contributing to climate change mitigation efforts. In addition to the generation of renewable energy-based electricity, the project has also been conceived to enhance the propagation of commercialisation of wind power generation in the region and to contribute to the sustainable development of the region, socially, environmentally and economically. The proposed project activity leads to alleviation of poverty by establishing direct and indirect employment benefits accruing out of infrastructure development of wind farms, installation work, operation and management of wind farm, providing daily needs, etc. The infrastructure in and around the project area will also improve due to project activity. This includes development of road network and improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid. The generated electricity is fed into the Western regional Grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

Besides generating renewable energy, 150 MW grid connected Wind Power based electricity generation project in Gujarat, India, seeks to achieve additional benefits to the local community. They promote rural development through fodder cultivation to feed animals, integrated livestock development (artificial Insemination), shade nets to cover vegetable crops, and youth training and skill development. They also promote improvements in health with a project to enhance access to preventative healthcare and early diagnosis and intervention for the population in the Gujarat region, and by upskilling healthcare volunteers.

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	Stapled quantity	Eligible quantity retired (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 (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India	VCU	Verra	4 August 2023	9085-66676074-66676614-VCS-VCU-1491-VER-IN-1-292-01012017-31122017-0	2017		541	0	0	541	100%
Total eligible offsets retired and used for this report										541	
Total eligible offsets retired this report and banked for use in future reports									0		

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	541	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

Greenfleet also offsets additional carbon emissions via native reforestation offsets. Greenfleet forests address critical deforestation, restore habitat for wildlife including many endangered species, capture carbon emissions to protect our climate, reduce soil erosion, improve water quality, and economically support local communities.



This is to certify

Greenfleet

offset 541.00 tonnes of CO₂-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.

A handwritten signature in black ink, appearing to read "Wayne Wescott".

Wayne Wescott | Greenfleet CEO

04/08/2023

Thank you

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	2,859	0	13%
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)	4,052	0	19%
Residual Electricity	14,828	14,161	0%
Total renewable electricity (grid + non grid)	6,911	0	32%
Total grid electricity	21,739	14,161	32%
Total electricity (grid + non grid)	21,739	14,161	32%
Percentage of residual electricity consumption under operational control	13%		
Residual electricity consumption under operational control	1,950	1,862	
Scope 2	1,722	1,645	
Scope 3 (includes T&D emissions from consumption under operational control)	228	218	
Residual electricity consumption not under operational control	12,878	12,298	
Scope 3	12,878	12,298	

Total renewables (grid and non-grid)	31.79%
Mandatory	18.64%
Voluntary	13.15%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	1.64
Residual scope 3 emissions (t CO₂-e)	12.52
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.64
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	12.52
Total emissions liability (t CO₂-e)	14.16

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	
Percentage of grid electricity consumption under operational control	13%	(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
ACT	0	0	0	0	0	0
NSW	0	0	0	0	0	0
SA	0	0	0	0	0	0
VIC	21,739	2,859	2,430	200	18,880	17,370
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)	21,739	2,859	2,430	200	18,880	17,370
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)	21,739					

Residual scope 2 emissions (t CO ₂ -e)	2.43
Residual scope 3 emissions (t CO ₂ -e)	17.57
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	2.43
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	17.57
Total emissions liability	20.00

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
<p><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></p>		

Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO ₂ -e)
N/A	0	0
<p><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></p>		

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
Refrigerants	Immaterial

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, 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
N/A						



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