



PUBLIC DISCLOSURE STATEMENT

GREENSTAR GROUP (WA) PTY LTD

ORGANISATION CERTIFICATION

CY2022

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Greenstar Group (WA) Pty Ltd
REPORTING PERIOD	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><i>Brett Smith</i></p>
	Brett Colin Smith Managing Director 27 th April 27, 2023



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

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Version March 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	330 tCO ₂ -e *
OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Sustainable Business Consultants
TECHNICAL ASSESSMENT	Not required for small organisation certifications

* The total offset emissions include 51 tCO₂-e emissions from business travel CY2021 which had been omitted. This has been rectified in this certification renewal (see emissions summary and change over time for more information).

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2. CARBON NEUTRAL INFORMATION

Description of certification

This certification covers the Australian operations of Greenstar Group (WA) Pty Ltd, ABN 16 145 204 860, using the operational control approach.

Organisation description

Greenstar Group (ABN 16 145 204 860) is based in Perth, Western Australia and also operates under the trading names Greenstar Mechanical Services (WA) and Greenstar Electrical Services.

The company has an office located in Bayswater and operates a fleet of vehicles.

The majority of our employees work on our clients' sites which are located throughout Perth CBD, outer metropolitan and regional areas of Western Australia.

Our business carries out service, maintenance, installations and special projects related to commercial heating, ventilation, air conditioning and electrical disciplines.

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation 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

Quantified

Fuel consumed in company vehicles

Climate Active carbon neutral products and services

Electricity

Business travel by private vehicles

Air travel

Waste

Hotel accommodation

Staff commute to work

Cleaning and chemicals

Computer equipment

ICT services

Office equipment and supplies

Telephone and internet

Food

Postage and couriers

Copy paper

Taxis and Uber

Natural Gas

Professional services

Water

Non-quantified

Refrigerants

Outside emission boundary

Excluded

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Greenstar commits to reducing total emissions of its business operations by 30 per cent by CY2026, from a CY2021 baseline.

Initiative	CY2023	CY2024	CY2025	CY2026	Target
Renewable Energy					
Move to 100% GreenPower energy plan		x			Implement 100% GreenPower by CY2024
Energy savings					
Reduce office energy use through electricity policy	x				100% take-up of electricity policy among staff
Fit motion sensors to bathrooms and rear workshop lights	x				All conventional switches replaced in these areas
Waste and recycling					
Research alternative recycling options for used air filters	x	x	x	x	Full recycling of used air filters by CY2026
Increase recycling bin and reduce general waste bins to promote recycling	x				Switching waste bins by CY2023 to increase recycling rate.
Company vehicles and transport					
New business vehicle upgrades using fuel efficient models	x	x	x	x	Purchasing fuel efficient vehicles from CY2023 and going forward
Installation of solar powered electric vehicle charging station			x	x	Installation of at least one charging station for electric vehicles by CY2025.

Emissions reduction actions

Roof-top solar panels were installed and were operational during CY2022.

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	CY 2020	212.30	224.00
Year 2:	CY 2021	233.75	245.43
Year 3:	CY 2022	265.01	278.26

* Some business travel activity data was omitted in CY2021. This has been rectified in this report and additional offsets have been purchased for the missing data. To allow for an accurate comparison between years, the CY2021 emissions have been updated to the correct emissions (with the missing 51.1 tCO₂e added).

The increase in emissions this year, compared to last relates to the following:

- an increase in waste to landfill (see table below)
- an increase in business during 2022 resulting in greater fuel consumption in company vehicles (0.8 tCO₂-e) and non-company owned vehicles for which Greenstar Group pays for the fuel (6.4 tCO₂-e)
- an increase in computer equipment purchased due to updating of these assets (2 tCO₂-e)
- an increase in commuting kilometres travelled due to a new office staff member who lives further away than the person they replaced (10.6 tCO₂-e).

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
General waste disposal	50.1	64.3	Additional disposal due to workshop clean-up and larger work assignments.

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

Certified brand name	Product/Service/Building/Precinct used
Virgin Australia airlines	Air travel offsets
Australian Opal Paper	A4 and A3 copy paper bright white

Emissions summary

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

Emission category	Sum of total emissions (t CO ₂ -e)
Accommodation and facilities	0.33
Cleaning and Chemicals	0.50
Climate Active carbon neutral products and services	0.00
Electricity	7.07
Food	2.50
ICT services and equipment	6.91
Natural gas (not used)	0.00
Office equipment & supplies	1.12
Postage, courier and freight	0.07
Professional services	0.00
Refrigerants	0.00
Transport (Air - offset)	0.00
Transport (Land and Sea)	182.24
Waste	64.26
Water	0.00
Working from home	0.00
Total emissions CY2022	265.01
Transport (Land and Sea) missing data CY2021	48.65
Total emissions to offset	313.66

* Figures may not sum due to rounding

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
Mandatory 5% uplift for small organisations CY2021 missing travel data	2.43
Mandatory 5% uplift for small organisations CY2022	13.25
Total of all uplift factors	15.68
Total emissions footprint to offset * (total emissions from summary table + total of all uplift factors)	329.34

* Figures may not sum due to rounding.

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emission to offset is 330 t CO₂-e, which includes an amount for some transport data that was missing from the 2021 report. The total number of eligible offsets used in this report is 330. Of the total eligible offsets used, 0 t CO₂-e were previously banked and 330 were newly purchased and retired. 0 t CO₂-e are remaining and have been banked for future use.

Co-benefits

[Trees for Life carbon](#) plantings provide many benefits including restoration of habitat for native wildlife and improvements in the condition of soil and water. All carbon sites use seed collected from the local area and place a high priority on using a diversity of different species to maximise the benefits to the local environment. Trees For Life has a number of dedicated carbon plantings across South Australia which are legally protected for a minimum of 30 years and actively managed to ensure projected carbon sequestration is achieved. Supporting the Trees for Life Carbon program takes local action to help our climate and support native wildlife.

The main objective of the [Satara Wind Power Project in Maharashtra \(India\)](#) is to generate electrical energy through sustainable means using wind power resources and thereby contribute to climate change mitigation efforts. The electricity generated is supplied to the Indian grid. In the absence of the project activity, the electricity thus supplied would have been generated by GHG intensive fossil fuel based thermal power plants. The project activity contributes to sustainable social and economic well-being along with conservation of environment through use of wind as a renewable source. Specifically, the project will:

- Add to the total power generated in the state, thereby curtailing the deficit power situation in the country and the state.
- Improved infrastructure development in the area
- Improved employment opportunities to local people

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 (%)	
Satara Wind Power Project in Maharashtra, India	VCU	Verra	22 Apr 2023	8138-460573499-460573828-VCU-050-APX-IN-1-1519-01012019-31102019-0	2019	-	330	0	0	330	100%	
Stapled to Trees for Life Carbon			22 Apr 2023			330	-	-	-	-	-	
Total eligible offsets retired and used for this report										330		
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)	330	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



TreesForLife

Trees For Life restores and protects South Australian landscapes and empowers people to take action for our bushland, farmland and urban landscapes. Over 40 years we have grown native seedlings across every region of South Australia and have more than 20 dedicated carbon sites that offset 124,000 tonnes of emissions.

Certificate **Greenstar Group (WA)**

has purchased 330 tonnes
Carbon Offset comprising
Verified Carbon Standard Wind
Power (Satara, India) and Trees
For Life Carbon located at
Monarto Zoo.

Natasha Davis
Trees For Life 2023
Chief Executive Officer

Trees For Life Inc phone 08 8406 0500 www.treesforlife.org.au/carbon

carbon
undo the damage

Carbon Offsetting Certificate

330
tonnes CO₂-e

This certificate verifies that in the period of 1st January 2021 to 31st December 2022

Greenstar Group (WA)

has offset 330 tonnes of greenhouse gas emissions with the purchase and retirement of certified carbon credits.

Project: Satara Wind Power Project in Maharashtra, India
Stapled with 330 Trees for Life Offsets
Registry: Verra
Serial No's : 8138-460573499-460573828-VCU-050-APX-IN-1-1519-01012019-31102019-0

Date issued: 22nd April 2023



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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 **location-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	11,630	0	48%
Total non-grid electricity	11,630	0	48%
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)	2,396	0	10%
Residual Electricity	10,458	0	0%
Total renewable electricity (grid + non grid)	14,026	0	57%
Total grid electricity	12,854	0	10%
Total electricity (grid + non grid)	24,484	0	57%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	10,458	9,987	
Scope 2	9,236	8,820	
Scope 3 (includes T&D emissions from consumption under operational control)	1,222	1,167	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	57.29%
Mandatory	9.79%
Voluntary	0.00%
Behind the meter	47.50%
Residual scope 2 emissions (t CO₂-e)	8.82
Residual scope 3 emissions (t CO₂-e)	1.17
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	8.82
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	1.17
Total emissions liability (t CO₂-e)	9.99

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	100%	(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
WA	12,854	12,854	6,555	514	0	0
Grid electricity (scope 2 and 3)	12,864	12,854	6,555	514	0	0
WA	11,630	11,630	0	0		
Non-grid electricity (behind the meter)	11,630	11,630	0	0		
Total electricity (grid + non grid)	24,484					

Residual scope 2 emissions (t CO ₂ -e)	6.56
Residual scope 3 emissions (t CO ₂ -e)	0.51
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	6.56
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.51
Total emissions liability	7.07

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 product used	Electricity claimed from Climate Active electricity products (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 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
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 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
N/A						





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