



# **PUBLIC DISCLOSURE STATEMENT**

**GREENSTAR GROUP (WA) PTY LTD**

**ORGANISATION CERTIFICATION**

**CY2023**

Australian Government  
**Climate Active**  
**Public Disclosure Statement**



NAME OF CERTIFIED ENTITY	Greenstar Group (WA) Pty Ltd
REPORTING PERIOD	January 2023 – 31 December 2023 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> <p>Brett Colin Smith Managing Director 24<sup>th</sup> April 2024</p>



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

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Version August 2023.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	236 tCO <sub>2</sub> -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	N/A
CARBON ACCOUNT	Prepared by: Sustainable Business Consultants

## Contents

1. Certification summary .....	3
2. Certification information .....	4
3. Emissions boundary .....	5
4. Emissions reductions .....	7
5. Emissions summary .....	8
6. Carbon offsets .....	10
7. Renewable Energy Certificate (REC) Summary .....	12
Appendix A: Additional Information .....	13
Appendix B: Electricity summary .....	14
Appendix C: Inside emissions boundary .....	17
Appendix D: Outside emissions boundary .....	18

## 2. CERTIFICATION INFORMATION

### Description of organisation certification

This organisation certification is for the business operations of Greenstar Group (WA) Pty Ltd ABN 16 145 204 860.

This Public Disclosure Statement includes information for the CY2023 reporting period.

### 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.

The carbon inventory has been prepared based on the operational control approach to boundary setting.

## 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

- Hotel accommodation
- Carbon neutral products and services
- Cleaning and chemicals
- Electricity
- Food
- ICT services and equipment
- Professional services
- Land and sea transport
- Office equipment and supplies
- Postage, courier and freight
- Stationary energy and fuels
- Transport (air)
- Transport (land-based)
- Waste
- Water

### Non-quantified

- Natural gas
- Refrigerants

## Outside emission boundary

### Excluded

## 4. EMISSIONS REDUCTIONS

### Emissions reduction strategy

Greenstar has committed to reducing total emissions of its business operations by 45 per cent by CY2028, from a CY2021 baseline.

Initiative	2023	2024	2025	2026	2027	2028	Target / measure
Scope 2: Renewable Energy							
Move to 100% GreenPower energy plan		x					Implement 100% GreenPower by end 2024
Scope 2: 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
Scope 3: Waste and recycling							
Research alternative recycling options for used air filters		x	x			x	Full recycling of used air filters in 2026 to reduce landfill waste
Increase recycling bin and reduce general waste bins to promote recycling	x						Switching waste bins by in 2023 to increase recycling rate - <b>completed</b>
Scope 1: Company vehicles							
New business vehicle upgrades using fuel efficient models	x	x	x			x	Purchase fuel efficient vehicles from 2023 and going forward
Installation of solar powered electric vehicle charging station			x			x	Installation of at least one charging station for electric vehicles in 2025.

### Emissions reduction actions

Greenstar have actively reduced our waste bin lifts to ensure all items that can be recycled are done so. We continue to replace vehicles over 6 years of age with newer, more efficient models and will move to hybrid ute options once a fit for purpose option is available.

Greenstar continues to rationalise travel between work locations wherever possible and are advertising for area specific roles to further reduce emissions.

## 5. EMISSIONS SUMMARY

### Emissions over time

		Emissions since base year	
		Total tCO <sub>2</sub> -e (without uplift)	Total tCO <sub>2</sub> -e (with uplift)
Base year / Year 1:	CY2020	212.30	224.00
Year 2:	CY2021	233.75	245.43
Year 3:	CY2022	265.01	278.26
Year 4:	CY2023	224.23	235.44

### Significant changes in emissions

Significant changes in emissions			
Emission source	Previous year emissions (t CO <sub>2</sub> -e)	Current year emissions (t CO <sub>2</sub> -e)	Reason for change
N/A			

### 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 Paper	Australian Office 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	Total emissions (t CO <sub>2</sub> -e)
Accommodation and facilities	0.65
Cleaning and chemicals	0.51
Climate Active carbon neutral products and services	0.00
Electricity	7.46
Food	1.85
ICT services and equipment	4.90
Office equipment and supplies	1.58
Postage, courier and freight	0.04
Professional services	2.85
Transport (land and sea)	181.49
Waste	22.82
Water	0.09
<b>Total emissions (tCO<sub>2</sub>-e)</b>	<b>224.23</b>

## 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 <sub>2</sub> -e
Mandatory 5% uplift for small organisations	11.21
<b>Total emissions footprint to offset (tCO<sub>2</sub>-e)</b> <i>(total emissions from summary table + total of all uplift factors)</i>	<b>235.44</b>

## 6. CARBON OFFSETS

### Eligible offsets retirement summary

Offsets retired for Climate Active certification

Type of offset units	Eligible quantity (used for this reporting period)	Percentage of total
Verified Carbon Units (VCUs)	236	100%

Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity retired (tCO <sub>2</sub> -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 (%)
Solar Energy Project(s) by <i>SB Energy Private Limited</i> , India	VCU	Verra	17/4/24	<a href="#">8423-15982414-15982649-VCS-VCU-997-VER-IN-1-1805-01012018-31122018-0</a>	2018	-	236	0	0	236	100%
<b>Stapled to</b> Biodiverse Reforestation Carbon Offsets <i>Yarra Yarra Biodiversity Corridor</i> project, Australia			17/4/24	NWSA-B1-23/0011801-0012036 (see Appendix A)	-	236	-	-	-	-	-
<b>Total eligible offsets retired and used for this report</b>										<b>236</b>	
<b>Total eligible offsets retired this report and banked for use in future reports</b>									<b>0</b>		

## Co-benefits

### **Biodiversity Reforestation Carbon Offsets (BRCO) - Australian Yarra Yarra Biodiversity Project**

The *Yarra Yarra Biodiversity Corridor* is a native reforestation project located in Southwest Australia. It provides environmental benefits in terms of biodiversity/ecosystem services and improves soil and water quality. The economic benefits include employment opportunities for Indigenous communities, contributing to their skills in preparation, planting and management.

The project also contributes to Indigenous cultural heritage protecting significant sites located in the project area. It also supports spiritual reconnection to Country potentially having positive impacts on mental health and wellbeing.

The project contributes to nine Sustainable Development Goals.

As land use and forestry activities are recognised as requiring high levels of upfront finance to source land, to plant and to manage, we have supplemented local biodiverse reforestation carbon offsets from the *Yarra Yarra Biodiversity Corridor* with Climate Active eligible offset units in the form of Solar Energy Projects in India.

### **Solar Energy Projects, India by SB Energy**

These projects have displaced greenhouse gas emissions of approximately 4.4 million tCO<sub>2</sub>-e per year.

Other co-benefits of these renewable energy projects include the generation of local employment during the construction and operation phases; the development of infrastructure in the region; local commerce and improved access to local power generation; as well as technological benefits.

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

# APPENDIX A: ADDITIONAL INFORMATION



This is to certify that

**Greenstar Group (W A) Pty Ltd**

For its Climate Active Carbon Neutral certification for CY23  
has permanently surrendered

**236**

**Biodiverse Reforestation Carbon Offsets**

established in an Australian global biodiversity hotspot.

Thank you for making a difference to our planet and future  
generations by combating climate change.



Encouraging positive social, environmental  
and economic change with solutions that help  
overcome the effects of the climate crisis.

Carbon Neutral Pty Ltd is regulated by the Australian  
Securities and Investments Commission and holds  
Australian Financial Services Licence Number 450004

  
Dr Phil Ireland | Chief Executive Officer

**Issue Date:** 18 April 2024 | **Emissions Period:** 1 January 2023 - 31 December 2023

**Serial numbers (inclusive):** NW SA-B1-23/0011801-0012036

Carbon Neutral retires an equal number of verified carbon credits from an international project for all  
Biodiverse Carbon Offsets to satisfy claims of carbon offsetting (and carbon neutrality where applicable).

**Serial numbers (inclusive):** 8423-15982414-15982649-VCS-VCU-997-VER-IN-1-1805-01012018-31122018-0

## 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 <sub>2</sub> -e)	Renewable percentage of total
Behind the meter consumption of electricity generated	11,925	0	48%
<b>Total non-grid electricity</b>	<b>11,925</b>	<b>0</b>	<b>48%</b>
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)	2,482	0	10%
Residual Electricity	10,608	9,654	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>14,407</b>	<b>0</b>	<b>58%</b>
<b>Total grid electricity</b>	<b>13,090</b>	<b>9,654</b>	<b>10%</b>
<b>Total electricity (grid + non grid)</b>	<b>25,015</b>	<b>9,654</b>	<b>58%</b>
Percentage of residual electricity consumption under operational control	100%		
<b>Residual electricity consumption under operational control</b>	<b>10,608</b>	<b>9,654</b>	
Scope 2	9,443	8,593	
Scope 3 (includes T&D emissions from consumption under operational control)	1,166	1,061	
<b>Residual electricity consumption not under operational control</b>	<b>0</b>	<b>0</b>	
Scope 3	0	0	

<b>Total renewables (grid and non-grid)</b>	<b>57.59%</b>
<b>Mandatory</b>	<b>9.92%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>47.67%</b>
<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>8.59</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>1.06</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>8.59</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>1.06</b>
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>9.65</b>

*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 <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
WA	13,090	13,090	6,938	524	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>13,090</b>	<b>13,090</b>	<b>6,938</b>	<b>524</b>	<b>0</b>	<b>0</b>
WA	11,925	11,925	0	0		
<b>Non-grid electricity (behind the meter)</b>	<b>11,925</b>	<b>11,925</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>25,015</b>					

<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>6.94</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>0.52</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>6.94</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.52</b>
<b>Total emissions liability</b>	<b>7.46</b>

### 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 <sub>2</sub> -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 <sub>2</sub> -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
Natural gas	Not used (immaterial)
Stationery energy - refrigerants	Not used (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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