



# **PUBLIC DISCLOSURE STATEMENT**

**GREENSTAR GROUP (WA) PTY LTD**

**ORGANISATION CERTIFICATION**

**CY2021**

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



NAME OF CERTIFIED ENTITY	Greenstar Group (WA) Pty Ltd
REPORTING PERIOD	1 January 2021 – 31 December 2021 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> <hr/> <p>Brett Colin Smith          Managing Director          07/06/2022</p>



**Australian Government**  
**Department of Industry, Science,  
 Energy and Resources**

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Version March 2022. To be used for FY20/21/CY2021 reporting onwards.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	196 tCO <sub>2</sub> -e
OFFSETS BOUGHT	74% Gold Standard VERs 26% VCUs
RENEWABLE ELECTRICITY	N/A as using location based approach.

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

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

### Organisation description

Greenstar Group is based in Perth, Western Australia. The company has an office located in Bayswater and operates a fleet of vehicles.

The majority of our employees work on our client's 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.

*“By becoming carbon neutral we are doing our part for the environment and providing a value add for our clients. We feel it is of the utmost importance that we do all we can to mitigate our emissions in both our business and personal lives.”*

## 3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary as in the base year of 2020. Emission sources can be excluded if they do not occur.

### 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><b><u>Quantified</u></b></p> <ul style="list-style-type: none"> <li>Fuel consumed in company vehicles</li> <li>Electricity</li> <li>Business travel by private vehicle and train</li> <li>Air travel</li> <li>Waste</li> <li>Hotel accommodation</li> <li>Staff commute to work</li> <li>Cleaning and chemicals</li> <li>Computer equipment</li> <li>ICT Services</li> <li>Office equipment and supplies</li> <li>Telephone and internet</li> <li>Food</li> <li>Postage and couriers</li> <li>Paper</li> <li>Taxis and Uber</li> </ul>	<p><b><u>Non-quantified</u></b></p> <p>N/A</p>	<p><b><u>Excluded</u></b></p> <ul style="list-style-type: none"> <li>Natural gas</li> <li>Freight</li> </ul>

**Data management plan for non-quantified sources**

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



## 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
<b>Renewable Energy</b>					
Move to 100% GreenPower energy plan		x			Implement 100% GreenPower by CY2024
<b>Energy savings</b>					
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
<b>Waste and recycling</b>					
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.
<b>Company vehicles and transport</b>					
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

In February 2021, roof-top solar panels were installed at the office building. Lights were replaced with energy efficient LEDs. Together these initiatives have led to a 44% reduction in electricity consumption from the grid.

## 5.EMISSIONS SUMMARY

### Emissions over time

The CY2020 base year emissions have been increased by 1 tCO<sub>2</sub>-e to include internal printing as this was not accounted for in the base year report. 1 tCO<sub>2</sub>-e of addition offsets has been purchased this year to cover this amount.

Emissions since base year		Total tCO <sub>2</sub> -e
Base year:	CY 2020	224.0
Year 1:	CY 2021	194.4

### Significant changes in emissions

Emission source name	Current year (tCO <sub>2</sub> -e)	Previous year (tCO <sub>2</sub> -e)	Detailed reason for change
Diesel consumed in company vehicles	92.65	132.67	One vehicle less operating in the fleet, reduction in total KMs due to a focus on reducing travel between work locations.
Petrol: Small car (staff commute and business travel)	11.85	3.11	Less Petrol vehicles in fleet, one petrol Ute now used solely as a "spare" vehicle so limited usage per annum

### Use of Climate Active carbon neutral products and services

Carbon neutral copy paper "Australian Paper – Bright White". Carbon neutral flights were purchased through Virgin Australia.



## Organisation 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 (tCO <sub>2</sub> -e)
Accommodation and facilities	0.35
Carbon neutral products and services	0.00
Cleaning and chemicals	0.53
Electricity	8.07
Food	3.42
ICT services and equipment	4.50
Office equipment & supplies	1.87
Postage, courier and freight	0.08
Transport (air) - offset	0.00
Transport (land and sea)	116.13
Waste	50.06
Working from home	0.11
<b>Total</b>	<b>185.10</b>

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't 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
Compulsory additional 5% of the total to be added for small organisations	9.26
Total of all uplift factors	9.26
<b>Total footprint to offset</b> <i>(total net emissions from summary table + total uplifts)</i>	<b>194.36</b>

## 6. CARBON OFFSETS

### Offsets retirement approach

**In arrears for 2021** with some carbon offsets purchased for future years

1. Total number of eligible offsets banked from last year's report	0
2. Total emissions footprint to offset for this report and for correction to prior year report	196
3. Total eligible offsets required for this report and for correction to prior year report	196
4. Total eligible offsets purchased and retired for this report	196
5. Total eligible offsets banked to use toward next year's report	0

### Co-benefits

#### Myanmar Stoves

Many rural communities in Myanmar cook on 'three stone fires', which require large quantities of wood to cook a simple meal. Burning timber for cooking both puts pressure on Myanmar's biodiverse forests and releases harmful pollutants, which are detrimental to the health of the environment and the communities exposed to them. People exposed to heavy indoor smoke are 2-3 times more likely to develop respiratory diseases, with household air pollution directly responsible for 3.5 million premature deaths annually. The Slow Life Clean Cookstoves project distributes and maintains fuel-efficient cookstoves to rural villages across Myanmar. The modern design is safer and more fuel efficient than traditional cooking methods and drastically cut harmful indoor pollutants. By significantly reducing the amount of wood consumed by households, this project reduces deforestation and slashes critical greenhouse gas emissions. With the clean burning cookstoves, families will no longer be exposed to dangers of open fires and fatal air pollution. The project additionally boosts the socioeconomic situation amongst these communities, reducing the financial pressure of healthcare and excess fuel, as well as creating employment opportunities through the installation and maintenance of the new cookstoves.

### **Siam Cement Group Biomass to Energy, Thailand**

Thailand heavily relies on the burning of fossil fuels for its cement industries, even though cement production is an emission-intensive activity – making up an estimated 5% of all global man-made CO<sub>2</sub> emissions. New infrastructure now enables the five cement manufacturing plants involved in this project to use alternative fuels and biomass residue, including rice husks, wood-processing residues and other agricultural waste. As a result, they have been able to reduce their dependence on fossil fuels such as the toxic mix of coal and lignite they previously used in their kilns. This project funds a range of social and environmental programs including health clinics to service the neighbouring communities, over 6,500 check dams for upstream forest conservation, school scholarships, mobile health clinics and the development of small-scale local industries. Farmers also now profit from a supplementary income and additional jobs have been created thanks to the project's efficient supply chains and manufacturing processes for biomass fuels.

## Eligible offsets retirement summary

Offsets cancelled 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 (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 (%)
GS1729 Myanmar Stoves Campaign - Stoves for Myanmar - VPA No. 003 (GS2395)	VER	Gold Standard	27 May 2022	<a href="#">GS1-1-MM-GS2395-16-2016-6654-1378-1523</a>	2016	0	146	0	0	146	74%
Siam Cement Group Biomass to Energy, Thailand	VCU	Verra	30 May 2022	6174-283341269-283341318-VCU-030-APX-TH-4-403-01012017-30062017-0 (no hyperlink available - see Appendix A)	2017	0	50	0	0	50	26%
<b>Total offsets retired this report and used in this report</b>										196	
<b>Total offsets retired this report and banked for future reports</b>									0		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Emissions Reductions (VERs)		146					74%				
Verified Carbon Units (VCUs)		50					26%				

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

N/A

# APPENDIX A: ADDITIONAL INFORMATION

The small organisation inclusions for last year did not include office supplies – internal printing. To present a complete and accurate picture of Greenstar’s emissions, these have been included in this year’s inventory report and an additional 1 tonne of offsets has been purchased for these emissions.

## Offset evidence

UNITS IN RETIREMENT SUB-ACCOUNTS																			
Sub-Account Name	Retirement Reason	Beneficial Owner	Retirement Reason Details	Email Notification	Date of Retirement	Public LIR	Project ID	Veris Standard	Project Name	Project Type	Additional Certification(s)	Vintage	Serial Number	CC3 Labeled	ID VISA Labeled	Unit Type	Quantity	Crediting Period Start Date	Crediting Period End Date
South Pole Carbon Asset Management Ltd	Environmental Benefit	Greenstar Group	Retired on behalf of Greenstar Group (WA Pty Ltd for its Climate Active carbon trade organisation certification for 01/2021)	is.sullivan@southpole.com; nathalia@southpole.com	21/05/2022	Public LIR	423	Verified Carbon Standard	Sam Carrott Biomass Project	Manufacturing		01/01/2017-30/09/2017	0176-20104-030-2324919-CC3-CC3-4576754-4-03-01012017-00000117-0	No	No	VCU	10	01/04/2018	31/03/2028

# APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location-based approach

## 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.

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	2,199	0	19%
Residual Electricity	9,661	9,606	0%
<b>Total grid electricity</b>	<b>11,860</b>	<b>9,606</b>	<b>19%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>11,860</b>	<b>9,606</b>	<b>19%</b>
Electricity renewables	2,199	0	
Residual Electricity	9,661	9,606	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emissions (kgCO <sub>2</sub> e)		9,606	
<b>Total renewables (grid and non-grid)</b>	<b>18.54%</b>		
<b>Mandatory</b>	<b>18.54%</b>		
<b>Voluntary</b>	<b>0</b>		
<b>Behind the meter</b>	<b>0</b>		
<b>Residual Electricity Emission Footprint (TCO<sub>2</sub>e)</b>	<b>10</b>		
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			

### Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO2e)	Scope 3 Emissions (kgCO2e)
WA	11,860	7,946	119
<b>Grid electricity (scope 2 and 3)</b>	<b>11,860</b>	<b>7,946</b>	<b>119</b>
WA	0	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>11,860</b>	<b>7,946</b>	<b>119</b>
<b>Emission Footprint (TCO2e)</b>	<b>8</b>		
<i>Scope 2 Emissions (TCO2e)</i>	8		
<i>Scope 3 Emissions (TCO2e)</i>	0		

### Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
N/A	0	0

*Climate Active carbon neutral electricity is not renewable electricity. The emissions have been offset by another Climate Active member through their Product certification.*



## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. 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	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A				

## APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### Excluded emission sources

The below emission sources have been assessed as not relevant to the 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.

Although natural gas and freight are deemed relevant emissions under the small organisation certification, these are not used by Greenstar Group (WA) Pty Ltd and as such not included in the PDS or carbon inventory.

<b>Emission sources tested for relevance</b>	<b>(1) Size</b>	<b>(2) Influence</b>	<b>(3) Risk</b>	<b>(4) Stakeholders</b>	<b>(5) Outsourcing</b>	<b>Included in boundary?</b>
Natural gas	No	No	No	No	No	No
Freight	No	No	No	No	No	No



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