



PUBLIC DISCLOSURE STATEMENT

ENHAR PTY LTD (ENHAR)

ORGANISATION CERTIFICATION


FY2022–23

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	ENHAR PTY LTD
REPORTING PERIOD	1 July 2022 – 30 June 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>Demian Natakhan Director 29 Feb 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	29.84 tCO ₂ -e
CARBON OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	N/A (small organisation) Data collected and input by Andrew Reddaway, Enhar Pty Ltd

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2. CERTIFICATION INFORMATION

Description of organisation certification

This organisation certification is for the Australian business operations of Enhar Pty Ltd, ABN 39 149 249 310.

This Public Disclosure Statement includes information for the FY2022-23 reporting period.

Organisation description

Enhar Pty Ltd (ABN 39 149 249 310) is a solar PV and smart energy consultancy, with service offerings encompassing commercial and utility solar and battery feasibility, design, and management, as well as electric vehicle charging projects. Our mission is to raise the standard of the sector through excellence in project development, engineering, and quality management.

Enhar strives to walk the talk as leaders in delivering excellence across solar and smart energy consulting.

Enhar's head office is in Melbourne at Suite 316A, Queens Pde, Fitzroy North, VIC 3068 and its secondary office is at Level 1, 426 King St, Newcastle West, NSW 2302.

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

- All stationary energy and fuels used in vehicles in the organisation's control
- All electricity consumed by buildings in the organisation's control
- Accommodation
- Air transport (km)
- Land and sea transport
- Office equipment and supplies
- Refrigerants
- Professional services
- Waste
- Cleaning and chemicals
- Food
- ICT services and equipment
- Postage, courier, and freight
- Water
- Working from home (Australian staff) – electricity usage only
- Staff commuting

Non-quantified

- Working from home (staff in the Philippines)

Outside emission boundary

Excluded

N/A

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

As a business working to provide renewable energy solutions through our solar and smart energy consultancy and service offerings, we are committed to maintain our carbon neutral status over time and working to improve on this with tangible emissions reductions where possible.

Our operations use no gas and are powered by 100% renewable electricity. Most of our staff travel to work by walking, cycling, and/or public transport. Our corporate driving is partially covered by fully-electric or hybrid vehicles. When working from home, many staff members use electricity supplied by rooftop solar panels. Transport emissions are further reduced by using video conferencing such as Zoom for meetings where possible.

Looking forward, we have developed an emissions reduction strategy that focusses on reducing our scope 3 emissions, which account for the vast majority of our total emissions.

Our goals, strategies, timeframes, and measures for emissions reduction are outlined in further detail in the following table.

Compared to the previous financial year, Enhar's operations grew substantially with an increase in staffing on an FTE basis of 37%. Given the nature of Enhar's business, this growth is beneficial to Australia's decarbonization efforts. Although Enhar's emissions increased compared to the previous year, the increase in emissions intensity is small, and is largely due to operations in the previous period being affected by the Covid pandemic.

Emissions reduction strategy	Emissions source	Anticipated reduction capacity	Timeframe / deadline	KPI's & measures
<i>FY 2024-2025 corporate measures</i>				
<u><i>Goal: To achieve a 30% emissions reduction by 2027 against our FY22 baseline</i></u>				
Undertake a review of professional services providers (e.g. IT, marketing and other business services) and prioritise working with service providers that have already certified their services as being carbon neutral.	Scope 3	~13%	Q2, FY2025	Track the percentage of service providers we have changed to a carbon neutral alternative
For staff members without rooftop solar at home, Investigate the use of purchase 100% certified GreenPower at home to reduce emissions associated with staff working from home. Estimate the impact on electricity bills and explore reimbursement by Enhar for any increase.	Scope 3	~5%	Q2, FY2025	Monitor staff uptake and emissions savings
For staff members using fossil gas at home, Investigate upgrades to efficient electric appliances. Estimate the economic impact and explore reimbursement by Enhar for installation.	Scope 3	~5%	Q2, FY2025	Monitor staff uptake and emissions savings
Set up a process for staff members to lease an electric vehicle and take advantage of its FBT-free status. Prioritise staff driving their personal vehicle significant distances for work.	Scope 1 and Scope 3	~5%	Q1, FY2025	Monitor staff uptake and emissions savings
Implement a staff travel policy that strongly encourages staff to reconsider their need to travel interstate to reduce the emissions associated with flights.	Scope 3	~9%	Q1, FY25	Monitor how this impacts flights purchased throughout FY2025
Conduct an energy efficiency audit on the new Enhar building and upgrade where practicable.	Scope 2	NA	Q4, FY24	Monitor energy bills
Investigate options to install solar on the Enhar building, communicating with the landlord. (National Renewable Network.)	Scope 2	NA	Q4, FY24	Monitor energy bills
<i>FY 2023-2030 corporate measures</i>				
<u><i>Goal: To achieve an 50% reduction by 2030 against our FY22 baseline, on an emissions intensity basis</i></u>				
Implement a guideline that all purchased goods and services for the business – from entertainment (e.g. Friday afternoon beers) through to service providers (e.g. IT providers) – are certified carbon neutral products or services.	Scope 3	~55%	FY30	Compare emissions difference of current suppliers against carbon neutral suppliers.

Emission reduction actions

- Trial the use of software tools to calculate emissions and integrate with Enhar's finance systems.
- Enhar's directors have already started driving electric vehicles for company travel. This will reduce emissions in future financial years.

5. EMISSIONS SUMMARY

Emissions over time

In this context, emissions intensity is tonnes with uplift divided by the number of employees on a full-time equivalent basis.

Emissions since base year					
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)	FTE	Emissions intensity
Base Year / Year 1:	2021-22	16.79	18.44	8.1	2.28
Year 2:	2022-23	27.45	29.84	11.1	2.69

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
Long economy class flights (>3,700km)	0	2.84	Business growth and increased travel requirements. Previous FY was impacted by the covid pandemic.
Short economy class flights (>400km, ≤3,700km)	1.48	4.45	Business growth and increased travel requirements. Previous FY was impacted by the covid pandemic.
Diesel: Large Car	0	4.07	Business growth and increased travel requirements, in addition to emission source re-categorisation from medium and small vehicles to a large diesel vehicle.

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

N/A

Emissions summary

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

Emission category	Sum of Scope 1 (t CO ₂ -e)	Sum of Scope 2 (t CO ₂ -e)	Sum of Scope 3 (t CO ₂ -e)	Sum of Total Emissions (t CO ₂ -e)
Transport (air)	0.00	0.00	7.29	7.29
Transport (land and sea)	0.00	0.00	6.16	6.16
Professional services	0.00	0.00	5.49	5.49
Working from home	0.00	0.00	2.27	2.27
ICT services and equipment	0.00	0.00	1.85	1.85
Waste	0.00	0.00	1.82	1.82
Office equipment and supplies	0.00	0.00	1.26	1.26
Accommodation and facilities	0.00	0.00	0.76	0.76
Food	0.00	0.00	0.30	0.30
Cleaning and chemicals	0.00	0.00	0.24	0.24
Refrigerants	0.01	0.00	0.00	0.01
Stationary Energy (Liquid Fuels)	0.00	0.00	0.00	0.00
Stationary Energy (Solid Fuels)	0.00	0.00	0.00	0.00
Stationary Energy (Gaseous Fuels)	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Postage, courier and freight	0.00	0.00	0.00	0.00
Water	0.00	0.00	0.00	0.00
Total	0.01	0.00	27.44	27.45

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
Uplift to account for non-quantified sources where data is unavailable: <ul style="list-style-type: none"> Additional 45% of the working from home emissions added to account for the 3.4 FTE Philippines staff working from home, given the existing working from home emissions from staff within Australia accounted for 8% of the total inventory (minus uplift factors) and there are 7.5 FTE staff in total (minus the 3.4 FTE Pilipino staff). This means a 45% increase should be added to the existing 8%. Equation: 2,267 kg CO₂-e x 0.45 = 1,020.15 kg CO₂-e to be added. 	1.02
Mandatory 5% uplift for small organisations	1.37
Total of all uplift factors (tCO ₂ -e)	2.39
Total emissions footprint to offset (tCO₂-e) <i>(total emissions from summary table + total of all uplift factors)</i>	29.84

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)	30	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 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 (%)
Cordillera Azul National Park REDD Project	VCU	Verra	27 Feb 2024	6878-353390018-353390027-VCU-024-MER-PE-14-985-08082017-07082018-1 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=235785	2017	-	10	0	0	10	33%
Reduced Emissions from Deforestation and Degradation in Keo Seima Wildlife Sanctuary	VCU	Verra	27 Feb 2024	9806-140501578-140501587-VCS-VCU-263-VER-KH-14-1650-01012017-31122017-1 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=213657	2017	-	10	0	0	10	33%
Katingan	VCU	Verra	27 Feb 2024	6359-305054864-305054873-VCU-016-APX-	2017	-	10	0	5	5	17%

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 (%)
Peatland Restoration and Conservation Project				ID-14-1477-01012017-31122017-1 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=216681							
The Mai Ndombe REDD+ Project	VCU	Verra	27 Feb 2024	5372-228763413-228763422-VCU-048-MER-CD-14-934-01012016-31122016-1 https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&h=235786	2016	-	10	0	5	5	17%
Total eligible offsets retired and used for this report										30	
Total eligible offsets retired this report and banked for use in future reports									10		

Co-benefits

N/A

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A





Verified Carbon Standard

Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 27 Feb 2024, 10 Verified Carbon Units (VCUs) were retired on behalf of:

Enhar

Project Name
The Mai Ndombe REDD+ Project

VCU Serial Number
5372-228763413-228763422-VCU-048-MER-CD-14-934-01012016-31122016-1

Additional Certifications
CCB-Gold

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Verified Carbon Standard

Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 27 Feb 2024, 10 Verified Carbon Units (VCUs) were retired on behalf of:

Enhar

Project Name
Katingan Peatland Restoration and Conservation Project

VCU Serial Number
6359-305054864-305054873-VCU-016-APX-ID-14-1477-01012017-31122017-1

Additional Certifications
CCB-Biodiversity Gold; CCB-Climate Gold; CCB-Community Gold; CCB-Gold

Powered by  APX



Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 27 Feb 2024, 10 Verified Carbon Units (VCUs) were retired on behalf of:

Enhar

Project Name

Reduced Emissions from Deforestation and Degradation in Keo Seima Wildlife Sanctuary

VCU Serial Number

9806-140501578-140501587-VCS-VCU-263-VER-KH-14-1650-01012017-31122017-1

Additional Certifications

CCB-Biodiversity Gold; CCB-Gold

Powered by APX



Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 27 Feb 2024, 10 Verified Carbon Units (VCUs) were retired on behalf of:

Enhar

Project Name

Cordillera Azul National Park REDD Project

VCU Serial Number

6878-353390018-353390027-VCU-024-MER-PE-14-985-08082017-07082018-1

Additional Certifications

CCB-Gold

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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 **market-based approach**.

Market Based Approach Summary			
Market Based Approach	Activity Data (kWh)	Emissions (kg CO2-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	6,385	0	100%
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)	1,200	0	19%
Residual Electricity	-1,200	-1,146	0%
Total renewable electricity (grid + non grid)	7,585	0	119%
Total grid electricity	6,385	0	119%
Total electricity (grid + non grid)	6,385	0	119%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	-1,200	-1,146	
Scope 2	-1,060	-1,012	
Scope 3 (includes T&D emissions from consumption under operational control)	-140	-134	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	118.80%
Mandatory	18.80%
Voluntary	100.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO2-e)	-1.01
Residual scope 3 emissions (t CO2-e)	-0.13
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO2-e)	0.00
Total emissions liability (t CO2-e)	0.00

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)	Scope 3 Emissions (kg CO ₂ -e)	
Percentage of grid electricity consumption under operational control	100%					
VIC	6,385	6,385	5,427	447	0	0
Grid electricity (scope 2 and 3)	6,385	6,385	5,427	447	0	0
VIC	0	0	0	0		
Non-grid electricity (behind the meter)	0	0	0	0		
Total electricity (grid + non grid)	6,385					

Residual scope 2 emissions (t CO ₂ -e)	5.43
Residual scope 3 emissions (t CO ₂ -e)	0.45
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	5.43
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.45
Total emissions liability (t CO₂-e)	5.87

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)
NA	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)
NA	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
Working from home (Pilipino staff)	Data unavailable but uplift applied

Data management plan for non-quantified sources

The data management plan below outlines how more rigorous quantification can be achieved for material (greater than 1%) non-quantified emission sources.

- Enhar was unable to source the required data during the FY23 reporting period so will need to ask its staff working in the Philippines to share their electricity usage/invoices in future periods as part of the organisation-wide staff survey, along with details on any renewable energy usage consumed. A survey will be created that mimics the Climate Active Working from Home calculator, so that an appropriate calculation can be put in place to more accurately measure their working from home impacts. Enhar is also looking to implement a carbon accounting software in future, which may further assist with this data collection.

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
NA	NA	NA	NA	NA	NA	<p>Size: NA</p> <p>Influence: NA</p> <p>Risk: NA</p> <p>Stakeholders: NA</p> <p>Outsourcing: NA</p>



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