



PUBLIC DISCLOSURE STATEMENT

**ZENER-G PTY LTD TRADING AS ENERGIA
GROUP**

**ORGANISATION CERTIFICATION
FY2021 / 22**

Australian Government

Climate Active Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Zener-G Pty Ltd Trading as Energa Group
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 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>SRPratt</i></p> <hr/> <p>Name of signatory Stuart Pratt Position of signatory Director Date: 30/06/23</p>



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

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1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	41 tCO ₂ -e
OFFSETS BOUGHT	100% VCU's
RENEWABLE ELECTRICITY	100%
TECHNICAL ASSESSMENT	Next technical assessment due: FY2023

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2020 to 30 June 2021 and covers the Australian operations of Zener-G Pty Ltd Trading as Energa Group, ABN 38 613 616 694.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007.

The methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃). These have been expressed as carbon dioxide equivalents (CO₂-e) using relative global warming potentials (GWPs).

Organisation description

Energa Group (Energa) is a Queensland energy business that is committed to helping business move towards renewable energy sources. With a wealth of experience across the team, Energa provides smarter energy that provide significant cost savings in power bills for our customers, through cost- saving energy management software, services, products, and solutions.

Energa specialises in sourcing fully supported commercial solar panels for businesses, developing custom design renewable energy systems and implementing battery storage solutions and other power optimization strategies. In every project Energa takes an integrated, open and transparent approach. The offering ranges from pre-configured, rapidly deployable packages for small businesses, through to recommending and implementing solutions based on a strategic and consultative advice for larger businesses. At Energa, we primary work in a hybrid model: from a home office to project sites for clients.

"Climate Active is important for Energa Group as it frames all our work with our clients to make constant improvements to reduce their carbon footprint."

3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. 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 or precinct'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

Accommodation and facilities
Climate Active Carbon
Neutral Products and
Services
Electricity
Food
ICT services and equipment
Office equipment & supplies
Postage, courier and freight
Professional Services
Products
Transport (Land and Sea)
Waste

Non-quantified

Water
Refrigerants

Optionally included

N/A

Outside emission boundary

Excluded

Cleaning and
Chemicals
Stationary Energy
Transport (Air)

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan, as water and refrigerants are immaterial.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

Energa commits to reduce total scope 1, 2 and 3 emissions from the business by 25% by 2030 compared to a FY2020 baseline. This will be achieved through the following measures:

Scope 1 emissions will be reduced by:

- Continue minimizing travel and commuting wherever possible.
- The company transport the Energa uses will be electric / hydrogen-based.

Scope 2 emissions are 0, but energy efficiency will be improved by:

- Switching off machines when not in use, rather than leaving idle.

Scope 3 emissions will be reduced by:

- Reducing air travel in the next 2 years.
- Looking at freight options and freight providers that have an electric or carbon neutral fleet.

Emissions reduction actions

Energa group has strived to minimize energy use onsite and has installed an additional solar PV system and battery to contribute to onsite clean energy generation. Our energy use is very small and is regularly monitored to maintain the low use onsite. Energy we do source from the grid is provided by a certified Climate Active carbon neutral product.

Energa has continued to opt for suppliers who are committed to climate action, such as those who measure and publicly report on their emissions.

Energa has electric motorbikes to further reduce emissions, which charge directly from our solar PV and battery system.

Energa uses video conferencing to reduce travel for meetings and site visits both locally and interstate. Where travel is necessary, public transport is utilised if feasible. Any flights are carbon offset.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year:	2019–20	22.01
Year 1:	2020–21	13.02
Year 2:	2021–22	40..56

Significant changes in emissions

Emission source name	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Road freight (\$)	3.65	0	Essential deliveries from Melbourne to facilitate business growth.
Diesel oil post-2004 (GJ)	31.93	0	Business travel in work vehicles and change in allocation (previously 'Diesel oil post-2004 (L)')

Use of Climate Active carbon neutral products and services

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#) and these services are carbon neutral.

Any purchased grid electricity is from AGL's Climate Active carbon neutral opt in product.

Organisation emissions summary

The electricity summary is available in the Appendix B.

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 (tCO ₂ -e)
Accommodation and facilities	0.00	0.00	0.17	0.17
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	0.17	0.17
Office equipment & supplies	0.00	0.00	0.00	0.00
Postage, courier and freight	0.00	0.00	3.70	3.70
Professional Services	0.00	0.00	2.08	2.08
Products	0.00	0.00	0.00	0.00
Transport (Land and Sea)	0.37	0.00	1.59	31.97
Waste	0.00	0.00	0.53	0.53
Total	30.37	0.00	8.25	38.63

Uplift factors

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 ₂ -e
Compulsory additional 5% of the total to be added for small organisations	1.93
Total of all uplift factors	1.93
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	40.56

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	41
3.	Total eligible offsets required for this report	41
4.	Total eligible offsets purchased and retired for this report	41
5.	Total eligible offsets banked to use toward next year's report	0

Co-benefits

6.5 MW cogeneration project in Akbarpur, Punjab

- Energy supply: estimated to be 41.769 GWh of net electrical output per annum.
- Circular economy: rice husk is an agri-waste generated from local rice mills and hence identified as renewable biomass. This also offers the farmers an additional source of revenue.
- Social: employment for skilled and unskilled laborers to operate the power plant, collection and transportation of biomass.
- Economic: new business opportunities for direct and indirect businesses for technology provider, consultants, labor contractors, biomass suppliers, farmers, and local villagers, thus promoting economic well-being in the region.
- Health: use of biomass instead of fossil fuel reduces air pollution, providing cleaner air for locals.
- Technology: the project activity involves the installation of a cogeneration project in a textile mill. This will help in the promotion of such technology in the sector as well as enhance the skill sets of people involved in the operation and maintenance of the plant.

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 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 (%)
6.5 MW cogeneration project in Akbarpur, Punjab	VCUs	Verra	16 Nov 2022	10776-247228102-247228142-VCS-VCU-290-VER-IN-1-1160-01012015-31122015-0	2015	0	41	0	0	41	100%
Total offsets retired this report and used in this report										41	
Total offsets retired this report and banked for future reports									0		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Carbon Units (VCUs)		41					100%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A.

APPENDIX B: ELECTRICITY SUMMARY

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO ₂ e)
AGL carbon neutral electricity product	4,140	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
Refrigerants	Yes	No	No	No
Water	Yes	No	No	No

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct'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.

No emission sources in Energa's organisation boundary were excluded in FY2021 - 22.

Note, the following activities, which are relevant to all small organisation submissions, did not occur within Energa's boundary in FY2021 -22:

- Cleaning and chemicals,
- Stationary energy,
- Food and catering,
- Transport (Air).

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A	N/A	N/A	N/A	N/A	N/A	N/A



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