PUBLIC DISCLOSURE STATEMENT

ZENER-G PTY LTD TRADING AS ENERGA GROUP

SMALL ORGANISATION CERTIFICATION

FY 2020-21

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY: Zener-G Pty Ltd Trading as Energa Group

REPORTING PERIOD: 1 July 2020 – 30 June 2021

Declaration

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.

SRPratt

Signature Date 27/04/2022

Stuart Pratt

Name of Signatory

Director

Position of Signatory

Australian Government
Department of Industry, Science, Energy and Resources

Version number February 2021

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

- 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 (CO_2), methane (CH_4), nitrous oxide (N_2O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF_6) and nitrogen trifluoride (NF_3). These have been expressed as carbon dioxide equivalents (CO_2-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 consultive advice for larger businesses.

2. EMISSION BOUNDARY

Diagram of the certification boundary

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

Quantified

Electricity

Telecommunications

IT Equipment

Business Flights

Transport Fuels

Food & Catering

Advertising & Marketing

Taxis & Ridesharing

Memberships

Domestic Hotel Accommodation

Waste (Landfill & Recycling)

Non-quantified

N/A

Excluded

N/A

Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

** Please note that there are no emissions from the other mandatory emissions sources deemed relevant for small organisation applications.*

"Climate Active Certification is important to Energa Group as it shows our commitment to be carbon neutral to our clients"

3. EMISSIONS SUMMARY

Emissions reduction strategy

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 need will be provided by a certified Climate Active Carbon Neutral Product.

Continue minimizing travel and commuting wherever possible. Continue using video conferencing to reduce travel for meetings and site visits both locally and interstate. Where travel is necessary, public transport is utilised where feasible and any flights are carbon offset.

We have electric motorbikes to further reduce emissions and charge directly from our solar PV and battery system.

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

Emissions over time

Reductions in spend on flights, food & beverage, advertising and marketing have resulted in lower associated emissions. Company vehicles were used approximately 25% less, resulting in less fuel consumption and therefore lower associated emissions.

Table 1

Emissions since base year		
	Base year: 2019-20	Current year Year 2: 2020-21
Total tCO_2-e	20.01	12.4

Emissions reduction actions

Energa has continued to reduce transport for both company vehicles and business flights. Energa continues to give preference to suppliers and services who demonstrate commitment to climate action. Energa has reduced their spend on advertising and marketing, resulting in lower associated emissions.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO_2-e
Accommodation and facilities	0.1
Carbon neutral products and services	0.0
Electricity	0.0
Food	0.2
ICT services and equipment	0.4
Land and Sea Transport ($)	0.1
Land and Sea Transport (fuel)	10.7
Professional Services	0.4
Waste	0.5
Total Net Emissions	***12.4***

Uplift factors

Table 3

Reason for uplift factor	tonnes CO_2-e
Compulsory 5% for small organisations	0.62
Total footprint to offset (uplift factors + net emissions)	***13.0***

Carbon neutral products

Energa opted in for all their flights to be carbon neutral under Qantas.

This assessment and Climate Active submission was prepared with the assistance of Pangolin Associates and these services are also carbon neutral.

Electricity summary

Electricity was calculated using a market-based approach.

Market-based approach summary
Table 4

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	Renewable %
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	0	0	0%
Jurisdictional renewables (LGCs retired)	0	-	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	607	0	19%
Residual Electricity	2,600	2,790	0%
Total grid electricity	**3,207**	**2,790**	**19%**
Total Electricity Consumed (grid + non grid)	**3,207**	**2,790**	**19%**
Electricity renewables	607	0	
Residual Electricity	2,600	2,790	
Exported on-site generated electricity	**6,796**	**-5,301**	
Emission Footprint ($kgCO_2$-e)		0	

Emission Footprint (tCO_2-e)	**18.93%**
Mandatory	**18.93%**
Voluntary	**0.00%**
Behind the meter	**0.00%**
Residual Electricity Emission Footprint (tCO_2e)	**0**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary
Table 5

Location-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)
Qld	3,207	2,982
Grid electricity (scope 2 and 3)	**3,207**	**2,982**
Qld	0	0
Non-grid electricity (Behind the meter)	**0**	**0**
Total Electricity Consumed	**3,207**	**2,982**

Emission Footprint (tCO_2-e)	**3**

4. CARBON OFFSETS

Offsets strategy

Table 6

Offset purchasing strategy: In arrears	
1. Total offsets previously forward purchased and banked for this report	*0*
2. Total emissions liability to offset for this report	*13*
3. Net offset balance for this reporting period	*13*
4. Total offsets to be forward purchased to offset the next reporting period	*0*
5. Total offsets required for this report	*13*

Co-benefits

6.5 MW cogeneration project in Akbarpur, Punjab, India.

- **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.

Offsets summary

Proof of cancellation of offset units

Table 7

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**	**Eligible Quantity (tCO_2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
6.5 MW cogeneration project in Akbarpur, Punjab	VCUs	VERRA	6 Mar 2022	10776-247232949-247232961-VCS-VCU-290-VER-IN-1-1160-01012015-31122015-0	2015	13	0	0	13	100%
								Total offsets retired this report and used in this report	***13***	
								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)	13	100%

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Website: https;/www.energa.com.au/about-us/carbonneutral-certification	Certified organisation
Social media LinkedIn	Certified organisation
Proposal documents on front page	Certified organisation

6. ADDITIONAL INFORMATION

N/A

APPENDIX 1

Excluded emissions

To be deemed relevant an emission must meet two of the five relevance criteria. Excluded emissions are detailed below against each of the five criteria.

Table 9

Relevance test					
Excluded emission sources	*The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions*	*The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.*	*Key stakeholders deem the emissions from a particular source are relevant.*	*The responsible entity has the potential to influence the reduction of emissions from a particular source.*	*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.*
N/A *					

** Please note that there are no emissions from the other mandatory emissions sources deemed relevant for small organisation applications.*

APPENDIX 2

Non-quantified emissions for organisations

Table 10

Non-quantification test				
Relevant-non-quantified emission sources	*Immaterial <1% for individual items and no more than 5% collectively*	*Quantification is not cost effective relative to the size of the emission but uplift applied.*	*Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.*	*Initial emissions non-quantified but repairs and replacements quantified*
N/A				

An Australian Government Initiative

Climate Active