PUBLIC DISCLOSURE STATEMENT

SENSUM VIC PTY LTD

ORGANISATION CERTIFICATION
FY2021–22

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	Sensum VIC Pty Ltd (Trading as Sensum Group
REPORTING PERIOD	1 July 2021 – 30 June 2022 Arrears report
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.* Duncan Schmoll
	Duncan Schmoll Management Accountant 05/06/2023

Australian Government
Department of Industry, Science, Energy and Resources

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

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	187 tCO_2-e
OFFSETS BOUGHT	100% VCUs
RENEWABLE ELECTRICITY	18.59%
TECHNICAL ASSESSMENT	Date: 12/02/2022 Name: Josh Prado Organisation: Pangolin Associates Next technical assessment due: 12/02/2025

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2.CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2021 to 30 June 2022 and covers the Australian business operations of Sensum VIC Pty Ltd, trading as Sensum Group, ABN: 37 607 883 974. 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. This includes the following locations and facilities:

- Level 1, 2 Adelaide Street, Cremorne 3121 VIC
- Suite 3, Level 3, 91 King William Street, Adelaide 5000 SA
- Employees working remotely in NSW

"Climate Active Certification is an important step for us on our journey to be a profit-for-purpose organisation - keeping sustainability and regeneration at the forefront of our minds in every interaction"

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 (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

We pride ourselves on being leaders in modern construction project management, delivering bespoke services and cutting-edge solutions to our clients.

Our ‘thing’ is to transform the way social infrastructure projects are delivered; to challenge and create new and improved ways to make a difference in people’s lives. We work to deliver services and structures that support a better quality of life. One Pack │One Planet.

Our Sensum Group Head Office and core assets are located in Victoria with another physical office in South Australia. There is also a NSW team that does not have a physical office space (who are working from home and remotely).

3. 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 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
Cleaning and Chemicals
Climate Active Carbon Neutral Products and Services
Electricity
ICT services and equipment
Office equipment & supplies Products
Professional Services
Refrigerants
Transport (Air)
Transport (Land and Sea)
Waste
Water
Working from home
Postage, Courier & Logistics

Non-quantified

N/A

Outside emission boundary

Excluded

N/A

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

Sensum commits to reduce emissions across the value chain (scopes 1, 2 and 3) by 30% in 2030 from a 2020-21 base year. Sensum will achieve this be implementing the following emissions reductions actions, broken down by scope:

Scope 1:

- Sensum does not have a large amount attributable Scope 1 emissions, and these are from our business flights which are addressed in the scope 3 emissions below.

Scope 2:

- Sensum will purchase 100% renewable energy for its Australian tenancy electricity by 2030.

Scope 3:

- Sensum is committed to working with building owners to reduce base building emissions for Australian office operations.
- Scope 3: Business Travel, CT services and Employee commute are the largest contributors to Sensum scope 3 emissions and Sensum is committed to working with suppliers to provide more accurate emissions data and to reduce the carbon emissions of these services if possible. Sensum will consider purchasing carbon neutral services where available.
- We will continue to work toward ways of reducing our flights by using virtual conferencing methods and we are committed to purchasing 100% Climate Active carbon neutral flights from Australian airlines by 2030.

Emissions reduction actions

- We have made arrangements and moved our head office to smaller co-working space to reduce costs and emissions.
- We have improved our data collection from the previous year.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		
		Total tCO_2-e
Base year/Year 1:	2020–21	183.1
Year 2:	2021–22	186.6

Significant changes in emissions

Significant changes to our emissions have been caused to increase in staff and more travel post-COVID, as work returns to business as usual.

Emission source name	Current year (tCO_2-e)	Previous year (tCO_2-e)	Detailed reason for change
Computer and technical services	19020.1	17289.9	Increase in staff, leading to more computer purchases. Software subscriptions that were accounted for in the previous year is now under “Technical Services”
Short economy class flights (>400km, ≤3,700km)	9945.7	4007.0	End of COVID restrictions resulted in more travel
Long economy class flights (>3,700km)	46,728.14	0	End of COVID restrictions resulted in more travel
Technical Services	18,784.58	0	Software was previously captured in “Computer and technical services”, but due to an improvement in methodology it has been reclassified as Technical services
Market-based electricity	41,662.60	0	We purchased GreenPower in this reporting period, therefore we had to change from Location-based to Market-based electricity.

Use of Climate Active carbon neutral products and services

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

Organisation emissions summary

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

Emission category	Sum of total emissions (tCO_2-e)
Accommodation and facilities	1.5
Cleaning and Chemicals	1.1
Climate Active Carbon Neutral Products and Services	0.0
Electricity	41.7
ICT services and equipment	24.7
Office equipment & supplies	2.5
Products	0.0
Professional Services	28.3
Refrigerants	0.5
Transport (Air)	56.7
Transport (Land and Sea)	16.0
Waste	1.3
Water	0.1
Working from home	11.2
Postage, Courier & Logistics	1.0
Total	**186.6**

Uplift factors

N/A

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	187
3. Total eligible offsets required for this report	187
4. Total eligible offsets purchased and retired for this report	187
5. Total eligible offsets banked to use toward next year's report	0

Co-benefits

Midilli Hydroelectric Power Plant

In terms of social impacts, significant positive employment effects occurred especially during the construction and installation period. Management, operation, and maintenance of the HPP creates permanent jobs which require high qualification, contributing to capacity building and know-how dissemination in Turkey. Moreover, since it is a renewable energy project, it contributes to achieve nationally stated sustainable development priorities which were indicated like in the law on use of renewable energy resources for electricity generation. Introduction purpose of this Law; the use of renewable energy resources for electrical energy generation to spread these resources to the economy in a reliable, economical, and quality manner, decreasing greenhouse gas emissions, utilising wastes, protecting the environment, and developing the manufacturing sector needed to achieve these objectives. Moreover, sustainable development goals outcomes and the actual results of the contributed sustainable development indicators by the project during the monitoring period such as Climate Action and Affordable and clean energy.

Bundled Wind Power Project by Mytrah Group

The project contributes to sustainable development using the following ways.

• Social well-being: The project would help in generating employment opportunities during the construction and operation phases. The project activity will lead to development in infrastructure in the region like development of roads and also may promote business with improved power generation.

• Economic well-being: The project is a clean technology investment in the region, which would not have been taken place in the absence of the VCS benefits the project activity will also help to reduce the

demand supply gap in the state. The project activity will generate power using zero emissions wind based power generation which helps to reduce GHG emissions and specific pollutants like SOx, NOx, and SPM associated with the conventional thermal power generation facilities.

- Technological well-being: The successful operation of project activity would lead to promotion of wind based power generation and would encourage other entrepreneurs to participate in similar projects

- Environmental well-being: Wind being a renewable source of energy, it reduces the dependence on fossil fuels and conserves natural resources which are on the verge of depletion. Due to its zero emission the Project activity also helps in avoiding significant amount of GHG emissions.

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 (%)**
Midilli Hydroelectric Power Plant	VCU's	Verra	31/5/2023	12432-410603504-410603597-VCS-VCU-290-VER-TR-1-1330-01012016-31122016-0	2016	0	94	0	0	94	50.3%
Bundled Wind Power Project by Mytrah Group	VCU's	Verra	31/5/2023	6918-358616067-358616159-VCU-034-APX-IN-1-1728-01012017-24112017-0	2017	0	93	0	0	93	49.7%
									Total offsets retired this report and used in this report	187	
									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)	187	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-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 ($kgCO_2e$)	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 & 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)	9,562	0	19%
Residual Electricity	41,873	41,663	0%
Total grid electricity	**51,435**	**41,663**	**19%**
Total Electricity Consumed (grid + non grid)	**51,435**	**41,663**	**19%**
Electricity renewables	9,562	0	
Residual Electricity	41,873	41,663	
Exported on-site generated electricity	**0**	**0**	
Emissions ($kgCO_2e$)		41,663	

Total renewables (grid and non-grid)	**18.59%**
Mandatory	**18.59%**
Voluntary	**0%**
Behind the meter	**0%**
Residual Electricity Emission Footprint (TCO_2e)	**42**

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

Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions ($kgCO_2e$)	Scope 3 Emissions ($kgCO_2e$)
ACT	0	0	0
NSW	0	0	0
SA	8,853	2,656	620
Vic	42,582	38,750	4,258
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	**51,435**	**41,406**	**4,878**
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Non-grid electricity (Behind the meter)	**0**	**0**	**0**
Total Electricity Consumed	**51,435**	**41,406**	**4,878**

Emission Footprint (TCO_2e)	**46**
Scope 2 Emissions (TCO_2e)	41
Scope 3 Emissions (TCO_2e)	5

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions ($kgCO_2e$)
Powershop	**13,670**	**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 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.

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

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