



# **PUBLIC DISCLOSURE STATEMENT**

**SENSUM VIC PTY LTD**


**ORGANISATION CERTIFICATION  
FY2022–23**

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



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Sensum VIC 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>Duncan Schmoll  Management Accountant  20/05/2024</p>



**Australian Government**  
**Department of Climate Change, Energy,  
the Environment and Water**

Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement document represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement document and disclaims liability for any loss arising from the use of the document for any purpose.  
Version August 2023.



# 1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	116 tCO <sub>2</sub> -e
OFFSETS USED	100% VCUs
RENEWABLE ELECTRICITY	15%
CARBON ACCOUNT	Prepared by: Pangolin Associates
TECHNICAL ASSESSMENT	Date: 12/02/2022 Name: Josh Prado Organisation: Pangolin Associates  Next technical assessment due: FY 23-24 report

## Contents

1. Certification summary.....	3
2. Carbon neutral information.....	4
3. Emissions boundary.....	5
4. Emissions reductions.....	7
5. Emissions summary.....	8
6. Carbon offsets.....	10
7. Renewable Energy Certificate (REC) Summary.....	13
Appendix A: Additional Information.....	14
Appendix B: Electricity summary.....	15
Appendix C: Inside emissions boundary.....	19
Appendix D: Outside emissions boundary.....	20

## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This inventory has been prepared for the financial year from 1 July 2022 to 30 June 2023 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 16, 414 La Trobe Street, Melbourne VIC 3000
- Suite 3, Level 3, 91 King Street, Adelaide SA 5000
- Level 21, Tower 2, 201 Sussex Street, Sydney NSW 2000

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<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF<sub>6</sub>) and nitrogen trifluoride (NF<sub>3</sub>). These have been expressed as carbon dioxide equivalents (CO<sub>2</sub>-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 use in South Australia and New South Wales.

## 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 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
- Cleaning and chemicals
- Carbon neutral products and services
- Electricity
- ICT services and equipment
- Office equipment and supplies
- Postage, courier and freight
- Professional services
- Refrigerants
- Transport (land and sea)
- Waste
- Water

### Non-quantified

N/A.

## Outside emission boundary

### Excluded

N/A.

## 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 by 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

- Reduction in paper printing and stationary costs
- Reduction in flights by using virtual conferencing methods and utilising local employees for interstate based work.
- Reduction in office space and signing up to Co-working habitats

## 5. EMISSIONS SUMMARY

### Emissions over time

		Emissions since base year
		Total tCO <sub>2</sub> -e (without uplift)
Base year/Year 1:	2020–21	183.15
Year 2:	2021–22	186.61
Year 3:	2022–23	115.19

### Significant changes in emissions

Reduction in output due to slow economic growth and having to reduce the workforce which had a knock on effect to all 'per head' outlays such as water, electricity and travel costs. Reduction in paper usage and administrative waste as a result of new policies put in place and encouragement from the business team. Less interstate travel due to budget restraints and endeavouring to keep travel to a minimum and only when necessary.

Emission source name	Previous year emissions (t CO <sub>2</sub> -e)	Current year emissions (t CO <sub>2</sub> -e)	Detailed reason for change
Electricity (market-based method, scope 3)	38.13	19.88	As all offices are now in shared workspaces the electricity cost attributable to our footprint is drastically reduced
Computer and technical services	19.02	12.20	We have a reduced amount of employees and have engaged other IT providers at lower cost
Technical services	18.78	14.49	Reduction in EE's and office space

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

Certified brand name	Product/Service/Building/Precinct used
Pangolin Associates	Consulting services
Powershop	Electricity products/services



## Emissions summary

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

Emission category	Sum of scope 1 (tCO <sub>2</sub> -e)	Sum of scope 2 (tCO <sub>2</sub> -e)	Sum of scope 3 (tCO <sub>2</sub> -e)	Sum of total emissions (t CO <sub>2</sub> -e)
Accommodation and facilities	0.00	0.00	1.16	1.16
Cleaning and Chemicals	0.00	0.00	0.65	0.65
Climate Active carbon neutral products and services	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	19.88	19.88
ICT services and equipment	0.00	0.00	24.59	24.59
Office equipment & supplies	0.00	0.00	1.04	1.04
Postage, courier and freight	0.00	0.00	0.48	0.48
Professional Services	0.00	0.00	32.50	32.50
Refrigerants	0.30	0.00	0.00	0.30
Transport (Land and Sea)	9.18	0.00	12.26	21.44
Waste	0.00	0.00	1.14	1.14
Water	0.00	0.00	0.04	0.04
Working from home	0.00	0.00	11.96	11.96
<b>Total emissions</b>	<b>9.48</b>	<b>0.00</b>	<b>105.71</b>	<b>115.19</b>

## Uplift factors

N/A

## 6. CARBON OFFSETS

### Offsets retirement approach

This certification has taken in-arrears offsetting approach. The total emission to offset is 116 t CO<sub>2</sub>-e. The total number of eligible offsets used in this report is 116. Of the total eligible offsets used, 0 were previously banked and 134 were newly purchased and retired. 18 are remaining and have been banked for future use.

### Co-benefits

#### VCU: 1762 - Bundled Solar Power Project by Solararise India Projects PVT. LTD

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy source. The project is a bundled project activity which involves installation of 120 MW solar project in different states of India through SPVs. Over the 10 years of first crediting period, the project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 213,089 tCO<sub>2</sub>e per year, thereon displacing 220,752 MWh/year amount of electricity from the generation-mix of power plants connected to the Indian grid, which is mainly dominated by thermal/fossil fuel based power plant.

#### Sustainable Development Contribution:

**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 Solar PV based power generation which helps to reduce GHG emissions and specific pollutants like SO<sub>x</sub>, NO<sub>x</sub>, and SPM associated with the conventional thermal power generation facilities.

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

**Environmental well-being:** Solar 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.

#### VCU: 1904 - Wind Power Project in Tamil Nadu by Green Infra Renewable Energy Limited

The main purpose of this project activity is to generate clean form of electricity through renewable wind energy source. The project involves installation of 250 MW wind power project in Tamil Nadu state of India through SPV. Over the 10 years of first crediting period, the project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 7,07,799 tCO<sub>2</sub>e per year, there on displacing 755,550 MWh/year amount of electricity from the generation-mix

of power plants connected to the Indian grid, which is mainly dominated by thermal/fossil fuel based power plant.

**Contribution to sustainable development:**

**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.

**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. The project activity will generate power using zero emissions .Wind based power generation which helps to reduce GHG emissions and specific pollutants like SO<sub>x</sub>, NO<sub>x</sub>, and SPM associated with the conventional thermal power generation facilities.

## Eligible offsets retirement summary

Offsets retired 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 retired (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 (%)
Bundled Solar Power Project by Solararise India Projects PVT. LTD	VCU	Verra	25/1/2024	<a href="#">10730-245073025-245073091-VCS-VCU-997-VER-IN-1-1762-26042018-31122018-0</a>	2018	0	67	0	0	67	58%
Wind Power Project in Tamil Nadu by Green Infra Renewable Energy Limited	VCU	Verra	25/1/2024	<a href="#">11065-277035491-277035557-VCS-VCU-997-VER-IN-1-1904-01012020-31122020-0</a>	2020	0	67	0	18	49	42%
<b>Total eligible offsets retired and used for this report</b>										116	
<b>Total eligible offsets retired this report and banked for use in future reports</b>									18		
Type of offset units		Eligible quantity (used for this reporting period)					Percentage of total				
Verified Carbon Units (VCUs)		116					100%				

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

N/A.

## 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 CO <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)	0	0	0%
GreenPower	0	0	0%
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)	4,819	0	15%
Residual Electricity	27,302	26,073	0%
<b>Total renewable electricity (grid + non grid)</b>	<b>4,819</b>	<b>0</b>	<b>15%</b>
<b>Total grid electricity</b>	<b>32,121</b>	<b>26,073</b>	<b>15%</b>
<b>Total electricity (grid + non grid)</b>	<b>32,121</b>	<b>26,073</b>	<b>15%</b>
Percentage of residual electricity consumption under operational control	0%		
<b>Residual electricity consumption under operational control</b>	<b>0</b>	<b>0</b>	
Scope 2	0	0	
Scope 3 (includes T&D emissions from consumption under operational control)	0	0	
<b>Residual electricity consumption not under operational control</b>	<b>27,302</b>	<b>26,073</b>	
Scope 3	27,302	26,073	.

<b>Total renewables (grid and non-grid)</b>	<b>15.00%</b>
<b>Mandatory</b>	<b>15.00%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual scope 2 emissions (t CO<sub>2</sub>-e)</b>	<b>0.00</b>
<b>Residual scope 3 emissions (t CO<sub>2</sub>-e)</b>	<b>26.07</b>
<b>Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>0.00</b>
<b>Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO<sub>2</sub>-e)</b>	<b>19.88</b>
<b>Total emissions liability (t CO<sub>2</sub>-e)</b>	<b>19.88</b>

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	
Percentage of grid electricity consumption under operational control	0%	(kWh)	Scope 2 Emissions (kgCO <sub>2</sub> -e)	Scope 3 Emissions (kgCO <sub>2</sub> -e)	(kWh)	Scope 3 Emissions (kgCO <sub>2</sub> -e)
ACT	0	0	0	0	0	0
NSW	3,019	0	0	0	3,019	2,385
SA	5,691	0	0	0	5,691	1,878
VIC	23,411	0	0	0	23,411	21,538
QLD	0	0	0	0	0	0
NT	0	0	0	0	0	0
WA	0	0	0	0	0	0
TAS	0	0	0	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>32,121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,121</b>	<b>25,801</b>
ACT	0	0	0	0		
NSW	0	0	0	0		
SA	0	0	0	0		
VIC	0	0	0	0		
QLD	0	0	0	0		
NT	0	0	0	0		
WA	0	0	0	0		
TAS	0	0	0	0		
<b>Non-grid electricity (behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Total electricity (grid + non grid)</b>	<b>32,121</b>					

Residual scope 2 emissions (t CO <sub>2</sub> -e)	0.00
Residual scope 3 emissions (t CO <sub>2</sub> -e)	25.80
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO <sub>2</sub> -e)	22.07
<b>Total emissions liability</b>	<b>22.07</b>

### 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 <sub>2</sub> -e)
N/A.	N/A.	N/A.
<p><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></p>		

## Climate Active carbon neutral electricity products

Climate Active carbon neutral product used	Electricity claimed from Climate Active electricity products (kWh)	Emissions (kg CO <sub>2</sub> -e)
<i>Powershop VIC</i>	1,050	0
<i>Powershop SA</i>	3,316	0
<i>Powershop NSW</i>	2,121	0
<p><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></p>		

# 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
N/A.	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.

## 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
N/A						



An Australian Government Initiative

