



# **PUBLIC DISCLOSURE STATEMENT**

**TANDEM ENERGY**

**ORGANISATION CERTIFICATION  
CY2020**

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



**REPORTING PERIOD:** Calendar year 1 January 2020 – 31 December 2020

**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.

Signature

Date

3/9/2021

A handwritten signature in black ink, appearing to read "R Brdanovic", is written over a light gray grid background.

Name of Signatory

Rachel Brdanovic

Position of Signatory

Chief Executive Officer



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

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Version number February 2021

# 1. CARBON NEUTRAL INFORMATION

## Description of certification

This certification covers the Australian business operations of Rybehaso Pty Ltd (trading as Tandem Energy) ABN 27 140 960 952.

## Organisation description

At Tandem Energy, we take a holistic approach to energy, carbon and environmental management, providing integrated, realistic, and innovative solutions to help our clients reduce energy costs now and in the future.

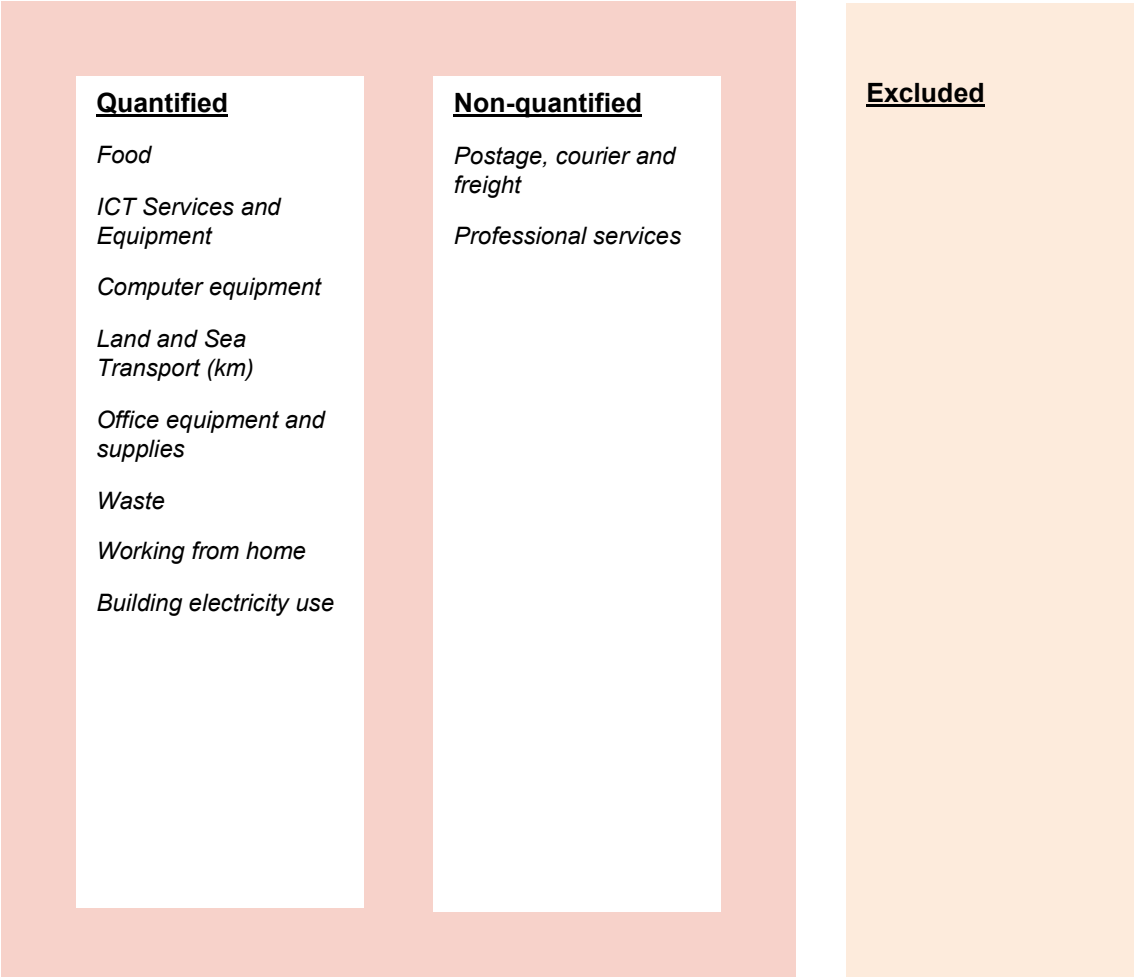
Tandem Energy is located in Gawler, South Australia, and we work with clients throughout South Australia and interstate.

*“As energy and environmental consultants, demonstrating our own commitment to becoming carbon neutral is extremely important.”*

## 2. EMISSION BOUNDARY

### Diagram of the certification boundary

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



## Non-quantified sources

Professional services and postage, courier and freight emissions were assessed as relevant and are captured within the emissions boundary but are not measured (quantified) in the carbon inventory due to immateriality and size of emissions compared to electricity, stationary energy and fuel, alongside data being expensive to gather (see Appendix 2). An uplift factor has been applied.

## Data management plan

Some emission sources that were quantified within the carbon inventory were based on estimations and assumptions. Thus, establishing a more robust data collection and management plan will enable a more precise inventory for the next reporting period. An uplift of 10% has been applied to this report to ensure the carbon inventory and emission offsets retired are a fair and conservative representation of the company.

## Excluded sources (outside of certification boundary)

No emissions were excluded from the certification boundary.

*“We need to act now and act fast if we want to leave a liveable world for our children. Climate Active certification is one step along this pathway.”*

### 3. EMISSIONS SUMMARY

#### Emissions reduction strategy

Emission reduction and climate action is central to Tandem Energy. All staff are extremely passionate about reducing emissions on both a personal and professional level, with the understanding that avoiding emissions production is the best method when supporting climate action.

Over the next several years, Tandem Energy aims to continue reducing our own emissions whilst working with other businesses to reduce theirs. One such method is through the intended procurement of a company electric vehicle to replace a petrol vehicle. Land transport has been identified as a significant contributor to the organisation's inventory and as such, using an electric vehicle will drastically reduce emissions, especially if the vehicle is charged using only on-site renewable electricity or 100% GreenPower certified electricity.

Additionally, the Town of Gawler local council is planning to install a solar PV system on the building where we rent office space. This will reduce our electricity emissions significantly.

Developing a detailed emissions reduction strategy over the next two years will outline the next steps Tandem Energy has to undertake to reduce emissions further.

#### Emissions summary (inventory)

Tandem Energy's emissions inventory is summarised in the table below.

Table 2

Emission source category	tonnes CO <sub>2</sub> -e
Electricity	4.36
Food	2.1
ICT services and equipment	0.47
Land and Sea Transport (km)	1.89
Office equipment & supplies	0.01
Waste	0.83
Working from home	-0.53
<i>Total Net Emissions</i>	<b>9.13</b>

#### Uplift factors

Table 3

Reason for uplift factor	tonnes CO <sub>2</sub> -e
Compulsory additional 5% for small organisations	0.455
An additional 5% uplift factor was applied to the whole carbon inventory to account for estimations conducted in the development of this inventory and non-quantified emission sources	0.455

Total footprint to offset (uplift factors + net emissions)

10.04

## Electricity summary

Electricity was calculated using a market-based approach.

### Market-based approach summary

#### Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO <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>
Large Scale Renewable Energy Target (applied to grid electricity only)	972	0	19%
Residual Electricity	4,063	4,362	0%
<b>Total grid electricity</b>	<b>5,035</b>	<b>4,362</b>	<b>19%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>5,035</b>	<b>4,362</b>	<b>19%</b>
Electricity renewables	972	0	
Residual Electricity	4,063	4,362	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emission Footprint (kgCO <sub>2</sub> e)		4,362	

<b>Emission Footprint (TCO<sub>2</sub>e)</b>	<b>4</b>
<b>Mandatory LRET renewables</b>	<b>19.31%</b>
<b>Voluntary Renewable Electricity</b>	<b>0.00%</b>
<b>Total renewables</b>	<b>19.31%</b>

#### Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> e)
SA	5,035	2,618
<b>Grid electricity (scope 2 and 3)</b>	<b>5,035</b>	<b>2,618</b>
<b>Total Electricity Consumed</b>	<b>5,035</b>	<b>2,618</b>

<b>Emission Footprint (TCO<sub>2</sub>e)</b>	<b>3</b>
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## 4. CARBON OFFSETS

### Offsets strategy

#### Offset purchasing strategy: In arrears

This Public Disclosure Statement reports Tandem Energy's carbon emissions for the Calendar Year 2020, which forms the company's base year. Emissions from this inventory were offset to ensure carbon neutrality from January 2020.

1. Total offsets previously forward purchased and banked for this report	<i>As this is the first year of Tandem Energy's Climate Active Certification, there are zero offsets previously forward purchased or banked for this report.</i>
2. Total emissions liability to offset for this report	10.04 TCO <sub>2</sub> e (refer to Appendix 3: Offset Registry)
3. Net offset balance for this reporting period	10.04 TCO <sub>2</sub> e
4. Total offsets to be forward purchased to offset the next reporting period	0 TCO <sub>2</sub> e
5. Total offsets required for this report	10.04 TCO <sub>2</sub> e

### Co-benefits

Tandem Energy purchased carbon offsets from EcoAustralia through South Pole Carbon. The carbon offsets focus primarily on investing in Australian biodiversity and habitat protection and achieving carbon reductions internationally through renewable energy and emission reduction projects through the Gold Standard.

Currently, EcoAustralia is supporting two biodiversity projects in Australia: The Mount Sandy project, which is supporting conservation agencies alongside the Ngarrindjeri people in the Coorong region to maintain permanent protection of the region's biodiversity – the Coorong is a Ramsar Wetland of International Importance, and a local gem; and The Myamyn Lowland Forest Project, in Victoria's south west, which protects an area of cleared Annya State Forest and replants the cleared vegetation with native plants to protect and enhance the local biodiversity.



## Offsets summary

### Proof of cancellation of offset units

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 (TCO2-e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
ECOAUSTRALIA CREDITS – through South Pole Global	VER (Gold Standard)	Details were not provided by supplier. A certificate of retirement is available in the appendix				10.04	0	0	10.04	100%
Total offsets retired this report and used in this report									10.04	
Total offsets retired this report and banked for future reports									0	

## 5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Reports to clients	Certified organisation
Website	Certified organisation
Social Media (Facebook, LinkedIn, Twitter)	Certified organisation
Pull up banner	Certified organisation
Email signature block	Certified organisation
Business cards	Certified organisation
Presentations	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	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>

NA

## APPENDIX 2

### Organisation non-quantified sources

Two emission sources within the boundary of a Small Organisation were classified as relevant and are captured within the emissions boundary but are determined to be non-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
Mailing services: parcels, postal and courier	Yes			
Accounting services		Yes		

## APPENDIX 3: OFFSET REGISTRY



Certificate Number: 16280795652107

**TANDEM ENERGY**

has compensated

**10.04**

tonne(s) of CO2 emissions

By making a contribution to verified emission reduction projects, you demonstrate your commitment to climate action and UN Sustainable Development Goals.

Renat Heuberger CEO, South Pole



Issued by: South Pole Carbon Asset Management Ltd.

Date: 04/08/2021



An Australian Government Initiative

