



PUBLIC DISCLOSURE STATEMENT

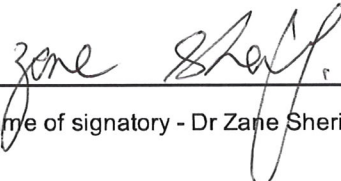
MERMAID BEACH RADIOLOGY PTY LTD

ORGANISATION

CY2021

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Mermaid Beach Radiology Pty Ltd
REPORTING PERIOD	1 January 2021 – 31 December 2021 Arrears report
DECLARATION	<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> 
	Name of signatory - Dr Zane Sherif
	Position of signatory - Director
	Date - 16/11/2022



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

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



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	447 tCO ₂ -e
OFFSETS BOUGHT	100% VCU
RENEWABLE ELECTRICITY	NA
TECHNICAL ASSESSMENT	Date 28/09/2022 Name: Nicole Butler Organisation: Pangolin Associates Next technical assessment due: CY2024
THIRD PARTY VALIDATION	Type 1 Date: 5/8/22 Name: Benjamin Jenkins Organisation: GPP Audit Pty Limited

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the calendar year from 1 January 2021 to 31 December 2021 and covers the Australian business operations of Mermaid Beach Radiology, ABN 91 641 116 341.

Mermaid Beach Radiology (MBR) is also certified as a Climate Active carbon neutral service and the emissions for both these certifications overlap completely. The functional unit will be the total number of annual procedures performed by the business.

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 location:

- Mermaid Beach Radiology Pty Ltd, 2469 Gold Coast Hwy, Mermaid Beach QLD 4218

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).

“As leaders of innovation and change in the healthcare industry, it is Mermaid Beach Radiology’s responsibility to set an example and address the negative impact of climate change on the health and wellbeing of patients, staff and our community.”

Organisation description

MBR is the operating company for a group of companies which together provide medical imaging at a single clinic located at 2469 Gold Coast Hwy, Mermaid Beach QLD 4218. MBR, trades as Mermaid Beach Radiology, Gold Coast. MBR utilizes Spectral Medical Imaging for the provision of specialized medical imaging equipment. All three companies are owned and operated by Dr Zane Sherif and his wife Dr Kirralee Sherif. All equipment and staff operate out of the single location with the exception of an offsite backup server.

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		Outside emission boundary
<p><u>Quantified</u></p> <ul style="list-style-type: none"> Cleaning and Chemicals Electricity Employee Commute Food ICT services and equipment Office equipment & supplies Postage, courier, and freight Products Professional Services Refrigerants Transport (Land and Sea) Water Imaging Equipment Insurance Medical Supplies Landfill Machinery and equipment repairs and maintenance services 	<p><u>Non-quantified</u></p> <p>N/A</p>	<p><u>Excluded</u></p> <p>N/A</p>

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

Mermaid Beach Radiology is committed to understanding our carbon usage and implementing ongoing measures to reduce it.

Mermaid Beach Radiology commits to reduce averaged emissions across the quantified emissions carbon inventory by 30% by 2030, from a 2021 base year. Strategies to achieve this target include (but are not limited to):

- product substitution,
- reducing waste,
- progressive adoption of green energy sources through Energex Green energy options, and;
- purchase and implementation of software options to reduced paper in the workflow.

5. EMISSIONS SUMMARY

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.

Organisation emissions summary

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

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)
Cleaning and Chemicals	0.00	0.00	2.73	2.73
Electricity	0.00	310.80	0.00	310.80
Food	0.00	0.00	3.56	3.56
ICT services and equipment	0.00	0.00	16.12	16.12
Office equipment & supplies	0.00	0.00	15.92	15.92
Postage, courier and freight	0.00	0.00	3.02	3.02
Products	0.00	0.00	1.17	1.17
Professional Services	0.00	0.00	68.65	68.65
Refrigerants	7.13	0.00	0.00	7.13
Transport (Land and Sea)	0.86	0.00	14.46	15.33
Waste	0.00	0.00	0.36	0.36
Water	0.00	0.00	1.32	1.32
Total	7.99	310.80	127.30	446.10

6. CARBON OFFSETS

Offsets retirement approach

In arrears	
1. Total emissions footprint to offset for this report	447
2. Total eligible offsets purchased and retired for this report	447
3. Total eligible offsets banked to use toward next year's report	0

Co-benefits

Midilli Hydroelectric Power Plant, Turkey

As for 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, utilizing 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.

NIHT Topaiyo REDD +, PNG

NIHT Inc. has partnered with the traditional landowners of New Ireland and East New Britain to put an end to deforestation initiated by industrial logging in the region. The preservation of these rainforests is essential to not only the carbon and biodiversity benefits inherent with projects of this nature, but also for the wellbeing and prosperity of the people of New Ireland and East New Britain. The project is located in the forested areas of New Ireland and East New Britain in Papua New Guinea. The project has evolved based on the input and needs expressed by persons living in the region. What began as a traditional timber operation has been recognised as an opportunity with enormous carbon sequestering potential and has evolved into a forest protection project that will provide substantial economic benefits to the people of Papua New Guinea. Through the avoidance of carrying out exploitative industrial commercial timber harvesting in the project area, the project expects to generate nearly 60 million tonnes of CO2 emissions reductions across the 30 year project lifetime, depending on the number and size of Project Activity Instances (PAIs) added to the project.

Rimba Raya, Central Kalimantan - Indonesia

Rimba Raya is situated in Central Kalimantan in Indonesian Borneo. Covering land approximately the same size as Singapore, it is known as one of the largest Orangutan sanctuaries in the world. Offering a viable alternative to deforestation, a practice very common in the area, the project has a wealth of benefits to the biodiversity of the region and the surrounding communities. Rimba Raya is home to over 300 species of birds, 122 species of mammals and 180 species of trees and plants. The project has strong community based initiatives including increased employment for communities, greater access to medical and health services, and assistance with education.

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	VERRA	26/09/2022	12431-410551467-410551615-VCS-VCU-290-VER-TR-1-1330-01012019-31122019-0	2019		149	0	0	149	33%
NIHT Topaiyo REDD +	VCU	VERRA	26/09/2022	9895-156959488-156959636-VCS-VCU-466-VER-PG-14-2293-01062017-31122019-0	2019		149	0	0	149	33%
Rimba Raya Biodiversity Reserve Project	VCU	VERRA	26/09/2022	7627-414537895-414538043-VCU-016-MER-ID-14-674-01072014-31122014-1	2019		149	0	0	149	33%
Total offsets retired this report and used in this report										447	
Total offsets retired this report and banked for future reports										447	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	447	100%

These offsets also cover Mermaid Beach Radiology's Pty Ltd Service certification. Details of this can be found here on the Climate Active website:

<https://www.climateactive.org.au/>

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

NA

APPENDIX A: ADDITIONAL INFORMATION

Additional offsets cancelled for purposes other than 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)	Purpose of cancellation
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location-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 ₂ e)	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)	62,633	0	19%
Residual Electricity	275,193	273,639	0%
Total grid electricity	337,826	273,639	19%
Total Electricity Consumed (grid + non grid)	337,826	273,639	19%
Electricity renewables	62,633	0	
Residual Electricity	275,193	273,639	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		273,639	
Total renewables (grid and non-grid)	18.54%		
Mandatory	18.54%		
Voluntary	0.00%		
Behind the meter	0.00%		
Residual Electricity Emission Footprint (TCO₂e)	274		

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 (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
Vic	0	0	0
Qld	337,826	270,261	40,539
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	337,826	270,261	40,539
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	337,826	270,261	40,539

Emission Footprint (TCO2e)	311
<i>Scope 2 Emissions (TCO2e)</i>	<i>270</i>
<i>Scope 3 Emissions (TCO2e)</i>	<i>41</i>

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
NA	0	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A	N/A

No emission sources were excluded from Mermaid Beach Radiology Pty Ltd organisation boundary in CY2021.



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