



PUBLIC DISCLOSURE STATEMENT

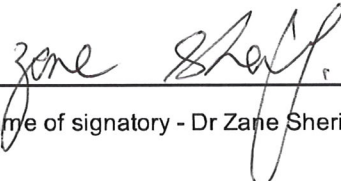
MERMAID BEACH RADIOLOGY PTY LTD

SERVICE CERTIFICATION

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
THE 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.

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 locations and facilities:

- 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.”

Product/Service description

The functional unit is the total number of annual procedures performed by Mermaid Beach Radiology Pty Ltd,

This assessment applies full coverage to all services applicable during the reporting period and is measured using a cradle-to-the-grave approach.

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 'attributable processes' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable 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

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim). Further detail is available at Appendix D.

Inside emissions boundary

Quantified

Cleaning and Chemicals
Electricity
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

Non-quantified

NA

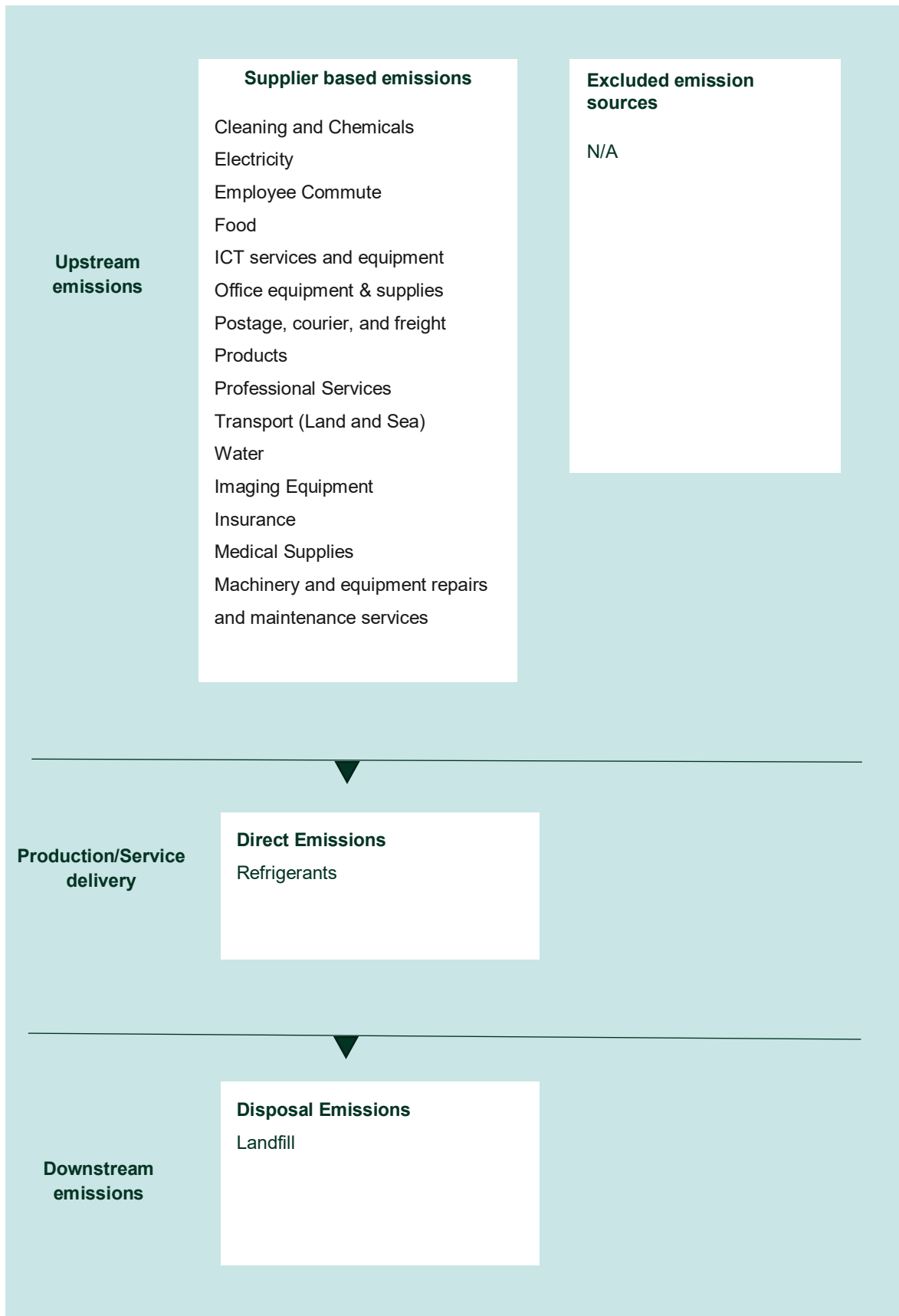
Outside emission boundary

Non-attributable

NA

Service process diagram

The following diagram is: Cradle-to-gate



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.

Service emissions summary

Stage	tCO2-e
Upstream	438.61
Direct Emissions	7.13
Downstream	0.36

Emissions intensity per functional unit	0.02865
Number of functional units to be offset	15,600
Total emissions to be offset	447

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

Eligible offsets retirement summary

100% of Mermaid Beach Radiology's Pty Ltd emissions relevant to the Service have been captured within the organisational boundaries. Please refer to Mermaid Beach Radiology's Pty Ltd CY2021 Organisation PDS for evidence of the offset retirement: <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
NA	NA	NA	NA	NA	NA	NA	NA

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 (kgCO2e)	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 (kgCO2e)		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 attributable, 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
NA	NA	NA	NA	NA

Excluded emission sources

Attributable emissions sources can be excluded from the carbon inventory, but still considered as part of the emissions boundary if they meet **all three of the below criteria**. An uplift factor may not necessarily be applied.

1. A data gap exists because primary or secondary data cannot be collected (**no actual data**).
2. Extrapolated and proxy data cannot be determined to fill the data gap (**no projected data**).
3. An estimation determines the emissions from the process to be **immaterial**.

	No actual data	No projected data	Immaterial
NA	NA	NA	NA

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product or service (do not carry, make or become the product/service) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

Relevance test					
Non-attributable emission	<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	NA	NA	NA	NA	NA



An Australian Government Initiative

