



PUBLIC DISCLOSURE STATEMENT

PINETREES LODGE PTY LTD

SERVICE CERTIFICATION
FY 2021-2022

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY	Pinetrees Lodge Pty Ltd (ABN 58 919 365 157)
REPORTING PERIOD	Financial year 1 July 2021 – 30 June 2022 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><i>Signature here</i></p> <p><i>[Handwritten Signature]</i></p> <p>Name of signatory <i>Dani Rourke</i> Position of signatory <i>Director</i> Date <i>14/12/22</i></p>



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	432 tCO ₂ -e
THE OFFSETS BOUGHT	See Organisation PDS here
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	13/10/2022 Mylene Turban Pangolin Associates Next technical assessment due: FY2025

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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 services of Pinetrees Lodge (ABN 58 919 365 157).

The Australian business operations of Pinetrees Lodge are included within this certification boundary and are also certified as carbon neutral by Climate Active.

This includes the following locations and facilities:

- Pinetrees Lodge, Lord Howe Island NSW
- Suite 3, Level 1, 50 Clarence Street, Sydney 2000 NSW

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

The **functional unit** is guest-nights, with emissions expressed in terms of tCO₂-e per guest-night.

Product/Service description

Pinetrees Lodge is the largest business on Lord Howe Island. The lodge caters for 75 guests and has approximately 35 full-time and casual staff (30 FTE). Pinetrees is one of the oldest hotel businesses in Australia – six generations of the same family – and it's also one of the most remote. We manage our water, wastewater, waste and fuel (petrol, diesel and gas) on site. Our electricity is provided from the island-wide electricity grid (which is now 80% renewable).

We run a commercial restaurant, commercial laundry and luxury accommodation operation, and most of our guests stay on a full-board tariff that includes breakfast, lunch, afternoon tea and dinner.

Our operation is full service, and guests often join one of our guided event weeks, such as ocean swimming, hiking, photography and wellness.

We also run a weekly conservation tour to showcase our emission reductions, conservation and environmental management initiatives

“We are completely surrounded by water and the effects of climate change are real and dramatic so being involved in Climate Active is very important to our organisation.”

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

Electricity
Wastewater
Telecommunications
IT Equipment
Office Paper
Printing & Stationery
Merchandising
Clothing
Furniture
Cleaning Supplies
Building Supplies
Employee Commute
Business Flights
Business Fuel Use
(Stationery and Transport)
Postage & Couriers
Advertising
Servicing & Repairs
Freight
Food & Beverage
Waste (Landfill & Recycling)
Refrigerants

Non-quantified

N/A

Optionally included

N/A

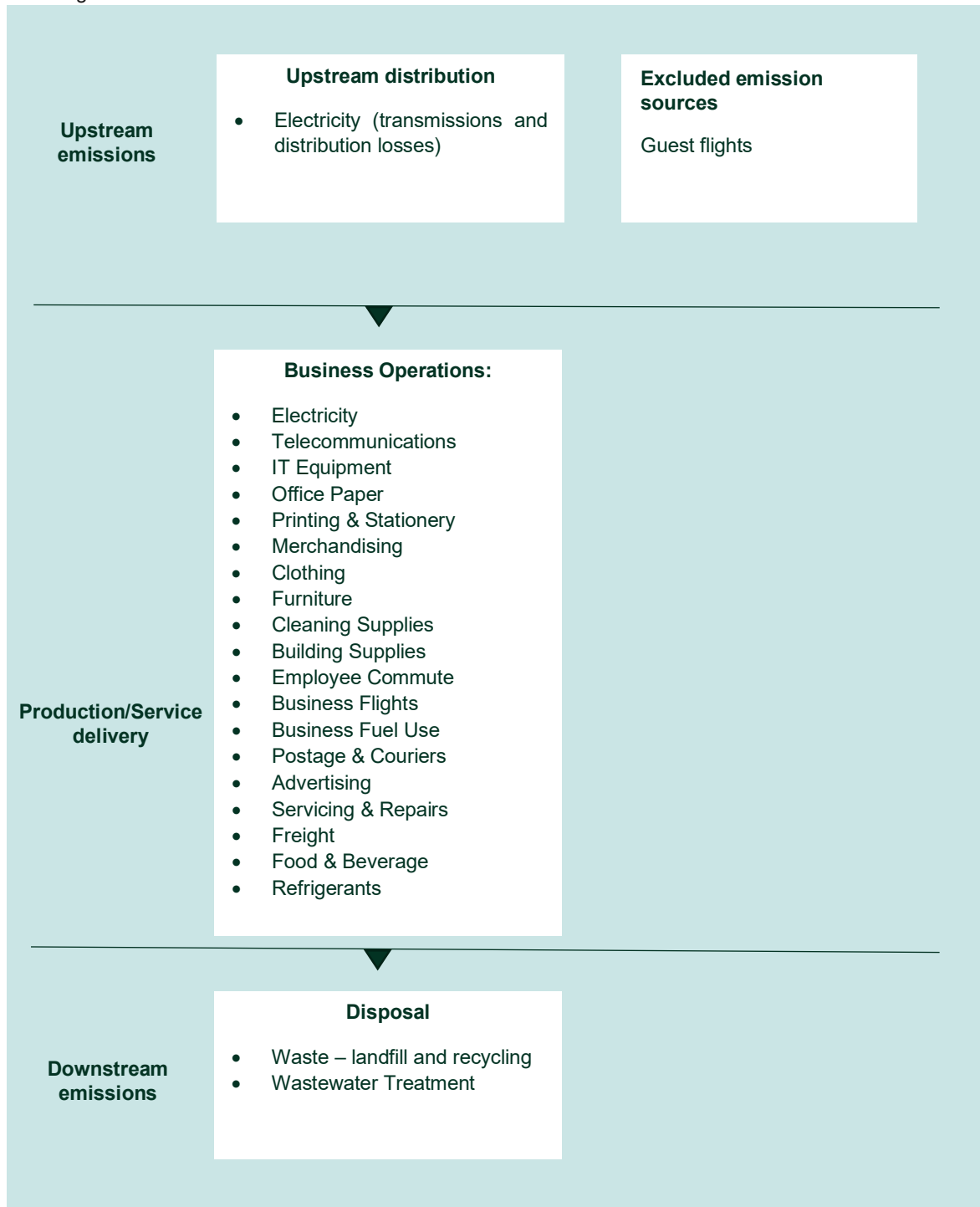
Outside emission boundary

Non-attributable

Guest flights

Service process diagram

Cradle-to-grave



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

We've undertaken an aggressive emissions reductions strategy since our base-year, and to date have reduced our emissions by 62% since FY2019.

Our next major emissions reduction action is the transition of our hot water service from diesel to solar by 2025, which will reduce our emissions by approximately 25 tCO₂-e (or 5.6% of our FY2022 emissions). This is likely to be the final major action we can realistically achieve, given what we've done since FY2019.

We will continue to make small emission reductions through the sourcing of carbon neutral certified products, assuming the quality and cost are compatible with our guests' expectations.

We are also working on improving the quantification of our scope 3 emissions by improving the categorization of our expenses and working with our suppliers to get more accurate GHG emission metrics.

Emissions reduction actions

Compared to our first submission in FY2019, our electricity supply, through the Lord Howe Island Board, has converted from 100% diesel to 80% solar.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year			
		Total tCO ₂ -e	Emissions intensity of the functional unit
Base year/Year 1	2018–19	1,123.6	N/A
Year 2:	2019–20	1,117.7	0.091
Year 3:	2020–21	521.3	0.042
Current year - Year 4:	2021–22	431.8	0.035

Significant changes in emissions

Pinetrees Lodge's GHG emissions have decreased by -62% since FY2019 and by -17% since FY2021. However, the lodges were only opened for 6 months during this assessment period, compared to 9 months in FY2019.

The significant change in the total emissions compared to last year's assessment are summarised in the table below.

Emission source name	Current year tCO ₂ -e	Previous year tCO ₂ -e	Detailed reason for change
Red meat	71.17	30.58	The emission factor has been updated and increased compared to the one applied for FY2020/21 assessment
Repairs and Maintenance	42.36	43.60	More repairs were done this year to the lodges, but a change in the emission factor applied did not increase the emissions.
Other Food	82.70	178.82	Increase in food purchase + some of the food products reported separately last year in different categories are now reported under this category. However the

			emissions factor has reduced compared to last year.
Diesel oil	48.72	80.70	Half of the diesel consumption is for the generation of electricity on the island. The island is now mostly powered by the solar farm, which reduces the consumption of diesel to generate electricity. The other half is for water heating at the lodges and this quantity hasn't decreased.

Use of Climate Active carbon neutral products and services

Pinetrees use Winc carbon neutral office paper and purchase Biopak take-away containers. Pinetrees also purchases Five Founders carbon neutral beef products.

This assessment and Climate Active submission was prepared with the assistance of [Pangolin Associates](#) and these services are also carbon neutral.

Service emissions summary

Stage	tCO2-e
Cleaning and Chemicals	12.40
Climate Active Carbon Neutral Products and Services	0.00
Construction Materials and Services	42.36
Electricity	2.77
Food	231.46
ICT services and equipment	4.22
Office equipment & supplies	2.99

Postage, courier and freight	6.44
Products	1.15
Professional Services	4.89
Refrigerants	9.31
Stationary Energy (liquid fuels)	70.31
Transport (Air)	13.24
Transport (Land and Sea)	10.02
Waste	5.84
Water	14.09
Stationery Energy	0.32

Emissions intensity per functional unit	0.035
Number of functional units to be offset (12,306
Total emissions to be offset	432

6. CARBON OFFSETS

Offsets retirement approach

The details of offsets relating to this certification are the same as those found in the Pinetrees Organisation PDS, found [here](#).

APPENDIX A: ADDITIONAL INFORMATION

Sallywood Swamp Forest Restoration Project

In 2019, Pinetrees partnered with the Lord Howe Island Board and NSW Environmental Trust to restore a three-hectare patch of Sallywood Swamp Forest in the Pinetrees back paddock. Sallywood Swamp Forests are a Critically Endangered Ecological Community in NSW – and they're only found on Lord Howe Island. Over 95% of the original forest coverage was destroyed by grazing, and only a few patches remain.

To date, we've planted about 5000 seedlings and we've grown another 2000 seedlings in our nursery ready for planting in 2023. These plantings have not been included in our carbon neutral calculations or status, although we're hoping that Climate Active will introduce a method to allow for businesses like ours to offset some of our carbon emissions through on-site carbon sequestration activities.

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)	606	0	19%
Residual Electricity	2,655	2,642	0%
Total grid electricity	3,261	2,642	19%
Total Electricity Consumed (grid + non grid)	3,261	2,642	19%
Electricity renewables	606	0	
Residual Electricity	2,655	2,642	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		2,642	

Total renewables (grid and non-grid)	18.59%
Mandatory	18.59%
Voluntary	0.00%
Behind the meter	0.00%
Residual Electricity Emission Footprint (TCO₂e)	3

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	3,261	2,544	228
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	3,261	2,544	228
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	3,261	2,544	228
Emission Footprint (TCO2e)	3		
<i>Scope 2 Emissions (TCO2e)</i>	3		
<i>Scope 3 Emissions (TCO2e)</i>	0		

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
None	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.

There was no non-quantified emission sources.

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

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**).

There was no non excluded emission sources.

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.

Emissions from the guest flights to the lodges have been excluded as it has been assessed as not relevant according to the relevance test.

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>
Guest flights	Yes	No	No	No	No



An Australian Government Initiative

