



# **PUBLIC DISCLOSURE STATEMENT**

**PINETREES LODGE PTY LTD**

**ORGANISATION CERTIFICATION  
FY2020-21**

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



NAME OF CERTIFIED ENTITY: Pinetrees Lodge Pty Ltd (ABN 58 919 365 157)

REPORTING PERIOD: 1 July 2020 – 30 June 2021

**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: 02/02/22

Name of Signatory: Lucas Hanson

Position of Signatory: Director



**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 inventory has been prepared for the financial year from 1 July 2020 to 30 June 2021 and covers the business operations of Pinetrees Lodge (ABN 58 919 365 157).

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:

- 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

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).

All services provided by Pinetrees Lodge are included in this certification boundary and are certified as Carbon Neutral service under a separate Climate Active Service certification.

## Organisation description

Pinetrees Lodge is the largest business on Lord Howe Island. The lodge caters for 75 guests and has approximately 35 fulltime 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. 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.”*

## 2. EMISSION BOUNDARY

### Diagram of the certification boundary

This boundary includes Pinetrees Lodge’s services, which are also certified carbon neutral under a separate Climate Active service certification.

<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
<i>Electricity</i>	<i>N/A</i>	<i>Guest Flights</i>
<i>Wastewater</i>		
<i>Telecommunications</i>		
<i>IT Equipment</i>		
<i>Office Paper</i>		
<i>Printing &amp; Stationery</i>		
<i>Merchandising</i>		
<i>Clothing</i>		
<i>Furniture</i>		
<i>Cleaning Supplies</i>		
<i>Building Supplies</i>		
<i>Employee Commute</i>		
<i>Business Flights</i>		
<i>Business Fuel Use</i>		
<i>Postage &amp; Couriers</i>		
<i>Advertising</i>		
<i>Servicing &amp; Repairs</i>		
<i>Freight</i>		
<i>Food &amp; Beverage</i>		
<i>Waste (Landfill &amp; Recycling)</i>		
<i>Refrigerants</i>		

## Non-quantified sources

N/A

## Data management plan

N/A

## Excluded sources (outside of certification boundary)

Emissions from Guest Flights have been excluded as it has been assessed as not relevant according to the relevance test.

*"We are committed to reducing our impact on the environment and Climate Active is a key step in achieving this."*

### 3. EMISSIONS SUMMARY

#### Emissions reduction strategy

We continue to lower our emissions through the conversion of our electricity supply from diesel generators to solar power. Our island-wide grid is now powered by 80% solar and 20% diesel. On-site, we're investigating the best option for our new hot water system. At this stage, we plan to convert our diesel boiler to a solar powered heat pump system.

#### Emissions reduction actions

COVID-19 closures of our business, and rolling lockdowns throughout Australia, have substantially reduced our emissions. Instead of operating for our normal nine-month season, we only operated for six months during the reporting period. For the time that we were open, our electricity supply has gradually increased from no solar to 80% solar. While this has fluctuated due to testing and a staged commissioning process, we are now using 80% solar power across all areas of the hotel.

#### Emissions over time

Table 1

Emissions since base year			
	Base year: 2018-19	Year 2: 2019-20	Current year Year 3: 2020-21
<i>Total tCO<sub>2</sub>-e</i>	1,123.6	1,117.7	521.3

#### Significant changes in emissions

##### Repairs and Maintenance

More repairs were done during FY2021, explaining an increase in emissions related to repair and maintenance.

##### Food and beverage, Fruit and vegetables

Pinetrees Lodge hosted less guests during FY2021 due to extended COVID-19 lockdown. This reduced the purchase of food and beverage.

##### Diesel Oil

The solar system installed on the island during FY2021 reduced the diesel consumption on the island to generate electricity.

## Emissions summary (inventory)

Table 2

Emission source category	tonnes CO <sub>2</sub> -e
Air Transport (km)	3.58
Cleaning and Chemicals	8.19
Construction Materials and Services	43.60
Electricity	3.89
Food	295.69
ICT services and equipment	4.81
Land and Sea Transport (fuel)	9.50
Land and Sea Transport (km)	2.07
Office equipment & supplies	13.30
Postage, courier and freight	7.55
Products	0.55
Professional Services	4.31
Refrigerants	9.31
Stationary Energy	95.67
Stationery Energy	0.32
Waste	3.79
Water	15.20
<b>Total</b>	<b>521.31</b>

## Uplift factors

Table 3

Reason for uplift factor	tonnes CO <sub>2</sub> -e
N/A	N/A
<b>Total footprint to offset (uplift factors + net emissions)</b>	<b>521.31</b>

## Carbon neutral products

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.

## Electricity summary

Electricity was calculated using a Location-based approach.

### Market-based approach summary

Table 4

Market-based approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> -e)	Renewable %
Behind the meter consumption of electricity generated	0	0	0.0%
Total non-grid electricity	0	0	0.0%
LGC Purchased and retired (kWh) (including PPAs)	0	0	0.0%
GreenPower	0	0	0.0%
Jurisdictional renewables	0	0	0.0%
Residual Electricity	3,500	3,756	0.0%
Large Scale Renewable Energy Target (applied to grid electricity only)	817	0	19%
<b>Total grid electricity</b>	<b>4,317</b>	<b>3,756</b>	<b>19%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>4,317</b>	<b>3,756</b>	<b>19%</b>
Electricity renewables	817	0	
Residual Electricity	3,500	3,756	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emission Footprint (kgCO <sub>2</sub> -e)		3,756	

<b>Total renewables (grid and non-grid)</b>	<b>18.93%</b>
<b>Mandatory</b>	<b>18.93%</b>
<b>Voluntary</b>	<b>0.00%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual Electricity Emission Footprint (tCO<sub>2</sub>e)</b>	<b>4</b>

### Location-based approach summary

Table 5

Location-based approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> -e)
NSW	4,317	3,885
Grid electricity (scope 2 and 3)	<b>4,317</b>	<b>3,885</b>
<b>Total Electricity Consumed</b>	<b>4,317</b>	<b>3,885</b>

Emission Footprint (tCO <sub>2</sub> -e)	4
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## 4. CARBON OFFSETS

### Offsets strategy

Table 6

Offset purchasing strategy:	
In arrears	
1. Total offsets previously forward purchased and banked for this report	0
2. Total emissions liability to offset for this report	522
3. Net offset balance for this reporting period	522
4. Total offsets to be forward purchased to offset the next reporting period	0
5. Total offsets required for this report	522

Offsets detailed in this certification also relate to the Pinetrees Service PDS, found [here](#).

### Co-benefits

#### Rimba Raya Biodiversity Reserve Project

Pinetrees Lodge has purchased 522 offset credits to support the Rimba Raya Biodiversity Reserve Project. 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.

## Offsets summary

### Proof of cancellation of offset units

Table 7

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 (tCO <sub>2</sub> -e)	Quantity used for previous reporting periods	Quantity banked for future reporting periods	Quantity used for this reporting period claim	Percentage of total (%)
Rimba Raya Biodiversity Reserve Project	VCUs	Verra	31/10/2021	<a href="#">5816-261750421-261750932-VCU-016-MER-ID-14-674-01072013-31122013-1</a>	2013	512	0	0	512	98%
Rimba Raya Biodiversity Reserve Project	VCUs	Verra	1/11/2021	<a href="#">5816-261750933-261750942-VCU-016-MER-ID-14-674-01072013-31122013-1</a>	2013	10	0	0	10	2%
<b>Total offsets retired this report and used in this report</b>									522	100%
<b>Total offsets retired this report and banked for future reports</b>									0	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	522	100%

## 5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Website	Certified organisation
Promotional Material	Certified organisation
Media	Certified organisation
Internal and external documentation	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>
Guest Flights	Yes	No	No	No	No

## APPENDIX 2

### Non-quantified emissions for organisations

Table 10

Non-quantification test				
Relevant-non-quantified emission sources	<i>Immaterial &lt;1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>
N/A	N/A	N/A	N/A	N/A



An Australian Government Initiative

