



# **PUBLIC DISCLOSURE STATEMENT**

TERROIR PTY LTD

ORGANISATION CERTIFICATION  
FY2020-21

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

TERROIR



An Australian Government Initiative



NAME OF CERTIFIED ENTITY: TERROIR Pty Ltd

REPORTING PERIOD: Financial year 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 07 December 2021

Name of Signatory

Gerard Reinmuth

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 Australian operations of TERROIR Pty Ltd, ABN 37 101 656 535.

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:

- Level 2, 79 Myrtle Street, Chippendale 2008 NSW
- 181 Elizabeth Street, Hobart 7000 TAS

Emission from the Copenhagen office have not been included due to its geographical location not being covered under the Climate Active certification.

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).

*“TERROIR’s projects are about creating places for liveability. We believe that we play a crucial role in shaping a future with no net negative impact on climate through our designs and commitment to sustainability, we can make a change. Climate Active allows us to lead by example showing our clients, peers and staff that we are all responsible for our future.”*

## Organisation description

TERROIR, the practice name, is emblematic of a process of invention guided by the landscape, people, memory and built form already in place, and was therefore established as an architectural practice focused on how the multiple qualities of any specific 'place' might inform every project. Taught in Tasmania in the early 1990s, we realised much later that the context in which we became architects, where environmental values and the need to transform energy use in our economy were central, was not typical of others. Recent shifts in society, prompted by the experience of fires and floods are perhaps too late, but have given renewed energy and focus to TERROIR's core strength in designing buildings and places that connect people with each other and their surrounds/community in a way that makes them question these values. This is a project that spans far beyond energy consumption in buildings, but asks always as the first question, should we build at all?

## 2. EMISSION BOUNDARY

### Diagram of the certification boundary

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

<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
<i>Books, Magazines &amp; Newspapers</i>  <i>Business Flights</i>  <i>Car Hire</i>  <i>Cleaning Services</i>  <i>Computer Subscriptions &amp; Technical Services</i>  <i>Drinks</i>  <i>Electricity</i>  <i>Employee Commute</i>  <i>Food &amp; Catering</i>  <i>Hotel Accommodation</i>  <i>Insurance</i>  <i>IT Equipment</i>  <i>Marketing</i>  <i>Office Equipment</i>  <i>Paper</i>  <i>Parking</i>  <i>Photography</i>  <i>Postage</i>  <i>Printing &amp; Stationery</i>  <i>Taxi &amp; Ridesharing</i>  <i>Telecommunications</i>  <i>Third part service fees</i>  <i>Transport Fuels</i>  <i>Waste – Landfill &amp; Recycling</i>  <i>Water</i>  <i>Working From Home</i>	<i>Refrigerants</i>	<i>N/A</i>

**Non-quantified sources**

Refrigerants have been non-quantified as they have been estimated to be immaterial.

**Data management plan**

N/A

**Excluded sources (outside of certification boundary)**

N/A

*“TERROIR is a French term used to describe the environmental factors, since our establishment we have embodied our committed to creating places that connect people with each other and their surrounds/community. Becoming Climate Active is the next step to ensuring our commitment to our core beliefs, not only in our day to day business activities”*

### 3. EMISSIONS SUMMARY

#### Emissions reduction strategy

TERROIR understands the carbon cost of making new buildings. The preference to demolish and build new rather than reuse is perhaps our most significant question, as we must find ways of using less energy to deliver the same outcomes. In running the practice, we cannot escape the energy cost of computation and have developed the following strategy to reduce our day-to-day emissions.

TERROIR's renewable energy target is to ensure that at least 20% of electricity expenses come from renewable sources within the first year, intending to switch to 100% green power throughout our offices by 2023. Ideally, this would happen sooner; however, this isn't under TERROIR's control as the choice of electricity provider is controlled by the Landlord.

TERROIR and their staff have become increasingly aware of energy use within our office through the auditing process. They have encouraged behaviour change, moving to open windows, using ceiling fans rather than air conditioning, and using digital technology such as iPads to enable Waste Minimisation. When printing is required, we have moved from recycled paper to Carbon neutral paper.

TERROIR has been changing its practices to replace emissions-intensive activities with those that generate fewer emissions. COVID has made easier the task of reducing flights to business meetings as clients and sub-consultants are now more predisposed to utilise teleconferencing facilities. TERROIR understands that whilst site visits are necessary to a successful project and sometimes cannot be avoided, TERROIR purchases offset as a means to reduce these emissions.

TERROIR will continue to work on developing and implementing an emissions reduction strategy over the next two years.

## Emissions over time

Over time, the reduction in TERROIR's carbon emissions has largely been due to reductions to the way we work. During financial year 2020-2021, there was a reduction of 36.7% in carbon emissions compared with the prior year due to reductions in travel and working from home as a result of COVID-19. We foresee the changes that were introduced this year, such as upgrading of office equipment, will see further reductions in years to come.

**Table 1**

Emissions since base year		
	Base year: 2019-20	Current year Year 2: 2020-21
<i>Total tCO<sub>2</sub>-e</i>	197.17	124.82

## Emissions reduction actions

The financial year 2020-21 period saw the introduction of a new technical service provider after some structural changes within our organisation. In addition, to our new service provider, the TERROIR company website underwent a rebuild. TERROIR resolved its Hobart server issue, which incurred additional costs and increased computer and technical services emissions. TERROIR also replaced the old photocopiers in both the Sydney and Hobart offices, which contributed to our office equipment expenses and associated emissions. The future benefits of upgrading to the newer technology mean each machine offers improved energy efficiency, reduced Greenhouse Gas impact, and reduced waste materials. Furthermore, with a more conscious approach to printing and stationery purchasing, we managed to reduce our print and stationary cost from previous years.

The increase in TERROIR's food and catering emissions was primarily due to the rise in expenses to support local businesses during COVID time.

TERROIR has seen a reduction in some emission sources in comparison to the previous year. Due to pandemic related issues, the number of flights taken (including to our Copenhagen office) has reduced, with video conferencing being utilised where necessary. This new approach to the way TERROIR conducts business has shown a reduction in medium and long-haul flights.



## Emissions summary (inventory)

Table 2

Emission source category	tonnes CO <sub>2</sub> -e
Accommodation and facilities	0.86
Air Transport (km)	14.22
Cleaning and Chemicals	0.60
Electricity	8.07
Food	10.88
ICT services and equipment	34.65
Land and Sea Transport (\$)	1.82
Land and Sea Transport (fuel)	11.72
Land and Sea Transport (km)	4.40
Office equipment & supplies	19.25
Postage, courier and freight	0.18
Professional Services	11.18
Waste	0.59
Water	0.16
Working from home	0.31
<i>Total Net Emissions</i>	<b>118.88</b>

## Uplift factors

Table 3

Reason for uplift factor	tonnes CO <sub>2</sub> -e
Compulsory 5% Small Organisation Uplift	5.94
<i>Total footprint to offset (uplift factors + net emissions)</i>	<b>124.82</b>

## Carbon neutral products

Carbon neutral Reflex paper was purchased by Terroir in FY2020-2021.

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 market-based approach.

### Market-based approach summary

Table 4

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>
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	12,097	0	50%
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)	4,579	0	19%
Residual Electricity	7,518	8,068	0%
<b>Total grid electricity</b>	<b>24,193</b>	<b>8,068</b>	<b>69%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>24,193</b>	<b>8,068</b>	<b>69%</b>
Electricity renewables	16,675	0	
Residual Electricity	7,518	8,068	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emission Footprint (kgCO <sub>2</sub> -e)		8,068	

*A minus Residual Electricity Emissions in kgCO<sub>2</sub>-e rounds to zero because the negative emissions can only be used to reduce electricity consumption emissions.*

*See electricity accounting rules for further information*

<b>Total renewables (grid and non-grid)</b>	<b>68.93%</b>
<b>Mandatory</b>	<b>18.93%</b>
<b>Voluntary</b>	<b>50.00%</b>
<b>Behind the meter</b>	<b>0.00%</b>
<b>Residual Electricity Emission Footprint (tCO<sub>2</sub>-e)</b>	<b>8</b>

*Figures may not sum due to rounding. Renewable percentage can be above 100%*

**Location-based approach summary**  
**Table 5**

Location Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> -e)
NSW	9,416	8,474
TAS	14,778	2,512
<b>Grid electricity (scope 2 and 3)</b>	<b>24,193</b>	<b>10,986</b>
NSW	0	0
TAS	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>24,193</b>	<b>10,986</b>
<b>Emission Footprint (tCO<sub>2</sub>-e)</b>	<b>11</b>	

## 4. CARBON OFFSETS

### Offsets strategy

Table 6

Offset purchasing strategy:	
In arrears	
1. Total offsets previously forward purchased and banked for this report	489
2. Total emissions liability to offset for this report	125
3. Net offset balance for this reporting period	125
4. Total offsets to be forward purchased to offset the next reporting period	361
5. Total offsets required for this report	125

### Co-benefits

#### 150 MW grid connected Wind Power generation project in Gujarat, India.

The main purpose of the project is to generate renewable electricity using wind power and feed the generated output to the local grid in Gujarat, contributing to climate change mitigation efforts. In addition to the generation of renewable energy-based electricity, the project has also been conceived to enhance the propagation of commercialisation of wind power generation in the region and to contribute to the sustainable development of the region, socially, environmentally and economically. The proposed project activity leads to alleviation of poverty by establishing direct and indirect employment benefits accruing out of infrastructure development of wind farms, installation work, operation and management of wind farm, providing daily needs, etc. The infrastructure in and around the project area will also improve due to project activity. This includes development of road network and improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid. The generated electricity is fed into the Western regional Grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

## 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 (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India - stapled with Australian Greenfleet donation.	VCUs	Verra	17 Dec 2020	<a href="#">8946-54822157-54822847-VCS-VCU-1491-VER-IN-1-292-18062016-31122016-0</a>	2016	691	198 <sup>1</sup>	361 <sup>2</sup>	125	100%
<b>Total offsets retired this report and used in this report</b>									<b>125</b>	
<b>Total offsets retired this report and banked for future reports</b>								<b>361</b>		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	125	100%

<sup>1</sup> 4 additional credits were retired on behalf of the Copenhagen office for FY2019-2020.

<sup>2</sup> 3 credits have been retired on behalf of the Copenhagen office for FY2020-2021.

## 5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Environmental Policy	Certified organisation
Website	Certified organisation
EOI and Tender Submissions	Certified organisation
Social Media	Certified organisation
Internal Documents	Certified organisation
Email footers	Certified organisation

## 6. ADDITIONAL INFORMATION

Terroir purchased an additional 691 tonnes of biodiversity offsets through Greenfleet, of which 125 credits cover the emission for the Australian operations in FY2021. Greenfleet is a leading Australian not-for-profit environmental organisation on a mission to protect our climate by restoring forests. Greenfleet forests address critical deforestation, restore habitat for wildlife including many endangered species, capture carbon emissions to protect our climate, reduce soil erosion, improve water quality, and economically support local and indigenous communities.



**This is to certify**

**Terroir Pty Ltd**

offset 691.00 tonnes of CO<sub>2</sub>-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.

A handwritten signature in black ink, appearing to read "Wayne Wescott", with a stylized flourish at the end.

**Wayne Wescott** | Greenfleet CEO

10/12/2020

**Thank you**

# 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>

N/A



## 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>
Refrigerants	Y	N	N	N



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