



PUBLIC DISCLOSURE STATEMENT

TERROIR PTY LTD

**ORGANISATION CERTIFICATION
FY2021-22**

Australian Government

Climate Active Public Disclosure Statement

TERROIR



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	TERROIR Pty Ltd
REPORTING PERIOD	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>Scott Balmforth Director 2th November 2022</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	217 tCO ₂ -e
OFFSETS BOUGHT	100% VCU's
RENEWABLE ELECTRICITY	86%

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2. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2022 to 30 June 2022 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 (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).

“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 of TERROIR Pty Ltd, ABN 37 101 656 535, 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?

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
<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
<i>Books, Magazines & Newspapers</i> <i>Business Flights</i> <i>Car Hire</i> <i>Cleaning Services</i> <i>Computer Subscriptions & Technical Services</i> <i>Drinks</i> <i>Electricity</i> <i>Employee Commute</i> <i>Food & 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 & Stationery</i> <i>Taxi & Ridesharing</i> <i>Telecommunications</i> <i>Third part service fees</i> <i>Transport Fuels</i> <i>Waste – Landfill & Recycling</i> <i>Water</i> <i>Working From Home</i>	<i>Refrigerants</i>	N/A

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

TERROIR is committed to reducing its emissions by 30% over the next 10 years compared to a 2020 baseline.

Scope 1 emissions will be reduced by:

- Reduce vehicle travel to business meetings by 50% through utilisation of teleconferencing software

Scope 2 emissions will be reduced by:

- Remaining on 100 % renewable energy for the next 10 years and beyond.
- Move to using operable windows and ceiling fans for fresh air ventilation rather than air conditioning.
- Switch to energy saving appliances where new equipment is to be purchased

Scope 3 emissions will be reduced by:

- Increasing the use of digital technology where applicable to encourage waste minimisation. All staff to have access to use of digital technology over the next 12 months.
- Continue to use carbon neutral paper, for instance, when printing is required
- Reduce flights to business meetings through utilization of teleconferencing facilities. A reduction of 50% is expected by 2025
- Ensure purchase of offsets for 100% of necessary flights by 2023
- Reduce vehicle travel to business meetings by 50% through utilisation of teleconferencing software
- Avoid consumption of single use coffee cups and general plastics by providing reusable mugs and kitchen supplied for staff by 202

Emissions reduction actions

In the past two years TERROIR have made several actions to assist in reducing emissions, these include shifting the Sydney office to 100% renewable energy. Across the Sydney, Hobart and Copenhagen offices, the practice has reduced the amount of business-related travel by continuing to meet via conferencing where possible. Printing has been minimized by the use of digital technology, which is made available to staff, when printing is required the office uses carbon neutral paper.

5.EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year/Year 1:	2019-20	191.17
Year 2:	2020-21	124.82
Year 3:	2021-22	216.45

Significant changes in emissions

The company has seen an increase in emissions over the last financial year which has been a result in shifting from remote working dur to COVID back to working from the office. In the past two years significant changes implemented in order to reduce emissions has included moving the Sydney office to 100% renewable energy.

Emission source name	Current year (tCO ₂ -e and/ or activity data)	Previous year (tCO ₂ -e and/ or activity data)	Detailed reason for change
Long economy class flights	114.85	11.01	Increased international flights after lockdown
Computer and technical services	25.74	27.54	Upgraded a number of computers more than 5 years old
Electricity	5.38	8.07	Reduced electricity usage, increased percentage of GreenPower

Use of Climate Active carbon neutral products and services

Carbon neutral Reflex paper was purchased by Terroir in FY2021-2022.

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

Organisation emissions summary

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

Emission categories	Sum of Scope 1 (TCO2e)	Sum of Scope 2 (TCO2e)	Sum of Scope 3 (TCO2e)	Sum of Total Emissions (TCO2e)
Accommodation and facilities	0.00	0.00	2.17	2.17
Bespoke	0.00	0.00	6.76	6.76
Cleaning and Chemicals	0.00	0.00	0.40	0.40
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Construction Materials and Services	0.00	0.00	0.00	0.00
Electricity	0.00	5.38	0.00	5.38
Food	0.00	0.00	4.63	4.63
Horticulture and Agriculture	0.00	0.00	0.00	0.00
ICT services and equipment	0.00	0.00	37.54	37.54
Machinery and vehicles	0.00	0.00	0.00	0.00
Office equipment & supplies	0.00	0.00	5.47	5.47
Postage, courier and freight	0.00	0.00	0.49	0.49
Products	0.00	0.00	0.00	0.00
Professional Services	0.00	0.00	5.13	5.13
Refrigerants	0.00	0.00	0.00	0.00
Roads and landscape	0.00	0.00	0.00	0.00
Stationary Energy (gaseous fuels)	0.00	0.00	0.00	0.00
Stationary Energy (liquid fuels)	0.00	0.00	0.00	0.00
Stationary Energy (solid fuels)	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	119.42	119.42
Transport (Land and Sea)	6.63	0.00	10.75	17.38
use for duplicates	0.00	0.00	0.00	0.00
Waste	0.00	0.00	0.52	0.52
Water	0.00	0.00	0.26	0.26
Working from home	0.00	0.00	0.59	0.59
Grand Total	6.63	5.38	194.14	206.15

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
Compulsory additional 5% of the total to be added for small organisations	10.31
Total of all uplift factors	10.31
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	216.45

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	361
2.	Total emissions footprint to offset for this report	217
3.	Total eligible offsets required for this report	217
4.	Total eligible offsets purchased and retired for this report	217
5.	Total eligible offsets banked to use toward next year's report	361

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.

Renewable Solar Power Project by Shapoorji Pallonji, India.

The main purpose of this project activity is to generate clean form of electricity through renewable solar energy source. The project is a bundled project activity which involves installation of 220 MW solar project in different states of India through SPVs. Over the 10 years of first crediting period, the project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 361,077 tCO₂e per year, displacing 385,440 MWh/year amount of electricity from the generation-mix of power plants

connected to the Indian grid, which is mainly dominated by thermal/fossil fuel based power plant. The project also has a variety of co-benefits including:

- The project helps generate employment opportunities during the construction and operation phases. The project activity will lead to development in infrastructure in the region like development of roads and promotes business opportunity with improved power generation
- The project is a clean technology investment in the region, which would not have been taken place in the absence of the VCS benefits the project activity will also help to reduce the demand supply gap in the state.
- The successful operation of project activity would lead to promotion of Solar based power generation and would encourage other entrepreneurs to participate in similar projects.

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 (%)
150 MW grid connected Wind Power based electricity generation project in Gujarat, India - stapled with Australian Greenfleet donation.	VCUs	Verra	17 Dec 2020	8946-54822157-54822847-VCS-VCU-1491-VER-IN-1-292-18062016-31122016-0	2016	691	691	323	161	200	92%
Renewable Solar Power Project by Shapoorji Pallonji, India - stapled with Australian Greenfleet donation.	VCU's	Verra	15 Sept 2022	13275-487310820-487311036-VCS-VCU-1491-VER-IN-1-1976-01012020-31122020-0	2020	217	217	0	200	17	8%
Total offsets retired this report and used in this report										217	
Total offsets retired this report and banked for future reports									361		
Type of offset units		Quantity (used for this reporting period claim)					Percentage of total				
Verified Carbon Units (VCUs)		217					100%				

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A

APPENDIX A: ADDITIONAL INFORMATION



This is to certify

Terroir Pty Ltd

offset 217.00 tonnes of CO₂-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

31/08/2022

Thank you

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a market-based approach.

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	26,294	0	68%
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)	7,239	0	19%
Residual Electricity	5,405	5,378	0%
Total grid electricity	38,938	5,378	86%
Total Electricity Consumed (grid + non grid)	38,938	5,378	86%
Electricity renewables	33,533	0	
Residual Electricity	5,405	5,378	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		5,378	

Total renewables (grid and non-grid)

86.12%

Mandatory

18.59%

Voluntary

67.53%

Behind the meter

0.00%

Residual Electricity Emission Footprint (TCO₂e)

5

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 (kgCO ₂ e)	Scope 3 Emissions (kgCO ₂ e)
ACT	0	0	0
NSW	26,294	20,510	1,841
SA	0	0	0
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	12,644	1,770	253
Grid electricity (scope 2 and 3)	38,938	22,280	2,093
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	38,938	22,280	2,093

Emission Footprint (TCO₂e)	24
<i>Scope 2 Emissions (TCO₂e)</i>	22
<i>Scope 3 Emissions (TCO₂e)</i>	2

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO ₂ e)
Enter product name/s here	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

There were no relevant non-quantified emissions sources for Terroir Pty Ltd during FY2022

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

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



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