



PUBLIC DISCLOSURE STATEMENT

TERROIR PTY LTD

ORGANISATION CERTIFICATION
FY2019-20

Australian Government
Climate Active
Public Disclosure Statement

TERROIR



An Australian Government Initiative



NAME OF CERTIFIED ENTITY: TERROIR Pty Ltd

REPORTING PERIOD: 1 July 2019 – 30 June 2020

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

A handwritten signature in black ink, appearing to read "Gerard Reinmuth".

Date

02 June 2021

Name of Signatory

Gerard Reinmuth

Position of Signatory

Director



Australian Government

**Department of Industry, Science,
Energy and Resources**

Public Disclosure Statement documents are prepared by the submitting organisation. The material in Public Disclosure Statement documents represents the views of the organisation and do not necessarily reflect the views of the Commonwealth. The Commonwealth does not guarantee the accuracy of the contents of the Public Disclosure Statement documents and disclaims liability for any loss arising from the use of the document for any purpose.

1. CARBON NEUTRAL INFORMATION

Description of certification

This inventory has been prepared for the financial year from 1 July 2019 to 30 June 2020 and covers the Australian operations of TERROIR, 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, 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>Excluded</u> |
|---|--|-----------------|
| | | N/A |
| <i>Business Flights</i> | <u>Non-quantified</u> | |
| <i>Cleaning Services</i> | <i>Accounting Fees</i> | |
| <i>Computer Equipment</i> | <i>Advertising</i> | |
| <i>Domestic Hotel Accommodation</i> | <i>Banking Fees</i> | |
| <i>Electricity</i> | <i>Books, Magazines & Newspapers</i> | |
| <i>Employee Commute</i> | <i>Insurance</i> | |
| <i>Food & Catering</i> | <i>Legal Fees</i> | |
| <i>ICT Services</i> | <i>Parking</i> | |
| <i>Landfill - Waste & Recycling</i> | <i>Photography</i> | |
| <i>Office Equipment</i> | <i>Postage</i> | |
| <i>Paper</i> | <i>Sewage</i> | |
| <i>Printing & Stationery</i> | <i>Taxi</i> | |
| <i>Telecommunications</i> | <i>Water</i> | |
| <i>Transport Fuels</i> | <i>Working From Home</i> | |

Non-quantified sources

- Water, sewage, books, magazines & newspapers, working from home, postage, accounting fees, advertising, taxi expenditure, banking fees, photography, parking, legal fees, and insurance are non-quantified as they fall outside of the small organisation boundary, however an uplift has been applied.

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 but also into our designs to create a better future for us all”

3. EMISSIONS SUMMARY

Emissions reduction strategy

TERROIR understand the carbon cost of making new buildings and the preference to demolish and build new rather than reuse is perhaps our greatest 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 so on but have developed the following strategy to reduce our day-to-day emissions.

TERROIR's renewable energy target is to ensure that within the first year at least 20% of electricity expenses come from renewable sources, with the goal of switching 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.

Through the auditing process TERROIR and their staff have become increasingly aware of energy use within our office and have encouraged behaviour change moving to opening windows and the use of ceiling fans rather than air conditioning, the use of digital technology such as iPads to encourage 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 subconsultants are now more predisposed to utilise teleconferencing facilities. We understand that whilst site visits are necessary to successful project and cannot be avoided, in these incidents we will ensure to purchase offset as a means to reduce our emissions.

Emissions summary (inventory)

Table 1

| Emission source category | tonnes CO ₂ -e |
|-------------------------------|---------------------------|
| Accommodation and facilities | 0.794 |
| Air Transport (km) | 51.662 |
| Cleaning and Chemicals | 0.680 |
| Electricity | 30.292 |
| Food | 6.725 |
| ICT services and equipment | 12.449 |
| Land and Sea Transport (fuel) | 15.145 |
| Land and Sea Transport (km) | 8.976 |
| Office equipment & supplies | 54.067 |
| Waste | 1.432 |
| <i>Total Net Emissions</i> | 182.221 |

Uplift factors

Table 2

| Reason for uplift factor | tonnes CO ₂ -e |
|---|---------------------------|
| Compulsory 5% for small organisations | 9.111 |
| Additional business services non-quantified emissions (Accounting Fees, Advertising, Banking Fees, Books, Magazines & Newspapers, Insurance, Legal Fees, Parking, Photography, Postage, Sewage, Taxis, Water and Working From Home) | 5.836 |
| <i>Total footprint to offset (uplift factors + net emissions)</i> | 197.168 |

Carbon neutral products

Qantas flights offsets (opt in).

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.

The Climate Active team are consulting on the use of a market vs location-based approach for electricity accounting with a view to finalising a policy decision for the carbon neutral certification by July 2020. Given a decision is still pending on the accounting way forward, a summary of emissions using both measures has been provided for full disclosure and to ensure year on year comparisons can be made.

Market-based approach electricity summary

Table 3

| Electricity inventory items | kWh | Emissions (tonnes CO ₂ -e) |
|--|--------|---------------------------------------|
| Electricity Renewables | 8,362 | 0 |
| Electricity Carbon Neutral Power | 0 | 0 |
| Electricity Remaining | 36,596 | 39.564 |
| Renewable electricity percentage | 19% | 0 |
| <i>Net emissions (Market based approach)</i> | | 39.564 |

Location-based summary

Table 4

| State/ Territory | Electricity Inventory items | kWh | Full Emission factor (Scope 2 +3) | Emissions (tonnes CO ₂ -e) |
|---------------------|--|--------|--|---|
| ACT/NSW | Electricity Renewables | 0 | -0.9 | 0 |
| ACT/NSW | Electricity Carbon Neutral Power | 0 | -0.9 | 0 |
| ACT/NSW | Netted off (exported on-site generation) | 0 | -0.81 | 0 |
| ACT/NSW | Electricity Total | 31,026 | 0.9 | 27.923 |
| Tas | Electricity Renewables | 0 | -0.17 | 0 |
| Tas | Electricity Carbon Neutral Power | 0 | -0.17 | 0 |
| Tas | Netted off (exported on-site generation) | 0 | -0.15 | 0 |
| Tas | Electricity Total | 13,933 | 0.17 | 2.369 |
| | <i>Total net electricity emissions</i> | | <i>0.00</i> | 30.292 |

4. CARBON OFFSETS

Offset purchasing strategy: in arrears

Offsets summary

Table 5

| 1. Total offsets required for this report | | | | 198 | | | | | |
|--|----------------------------|--------------------------|--------------|--|---------|-------------------------|-----------------------------------|--|---------------------------------|
| 2. Offsets retired in previous reports and used in this report | | | | 0 | | | | | |
| 3. Net offsets required for this report | | | | 198 | | | | | |
| Project description | Eligible offset units type | Registry unit retired in | Date retired | Serial number (including hyperlink to registry transaction record) | Vintage | Quantity (tonnes CO2-e) | Quantity used for previous report | Quantity to be banked for future years | Quantity to be used this report |
| 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 | 0 | 489 ¹ | 198 |
| Total offsets retired this report and used in this report | | | | | | | | 198 | |
| Total offsets retired this report and banked for future reports | | | | | | | | 489 ¹ | |

¹ 4 credits have been retired on behalf of the Copenhagen office.

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.

5. USE OF TRADE MARK

Table 6

| 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. 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 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".

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 7

| 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

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

Table 8

| Non-quantification test | | | | |
|--|--|--|---|---|
| Relevant-non-quantified emission sources | <i>Immaterial <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> |
| Accounting Fees | No | Yes | No | No |
| Advertising | No | Yes | No | No |
| Banking Fees | No | Yes | No | No |
| Books, Magazines & Newspapers | No | Yes | No | No |
| Insurance | No | Yes | No | No |
| Legal Fees | No | Yes | No | No |
| Parking | No | Yes | No | No |
| Photography | No | Yes | No | No |
| Postage | No | Yes | No | No |
| Sewage | No | Yes | No | No |
| Taxi | No | Yes | No | No |
| Water | No | Yes | No | No |
| Working From Home | No | Yes | No | No |