



PUBLIC DISCLOSURE STATEMENT

APPLIED ENVIRONMENT & SAFETY PTY LTD

**ORGANISATION CERTIFICATION
CY2020**

Australian Government
Climate Active
Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Applied Environment & Safety Pty Ltd

REPORTING PERIOD: 1 January 2020 – 31 December 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

Date

24/05/2021

Name of Signatory

Melanie Dixon

Position of Signatory

Director, Applied Environment & Safety



Australian Government
Department of Industry, Science,
Energy and Resources

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1. CARBON NEUTRAL INFORMATION

Description of certification

This certification is for Applied Environment & Safety Pty Ltd's Australian operations, ABN 56 604 594 185.

Organisation description

Applied Environment and Safety Pty Ltd provides practical environmental and safety consulting services. Our services include environmental planning and approvals; development of environmental and safety management plans and systems; onsite operational health, safety and environment management; inspections and auditing; and general health, safety and environment support.

We work with a diverse range of clients and industries including construction, power and transmission, onshore oil & gas, roads and transport and more, to deliver successful environmental and safety outcomes.

The operational boundary of our carbon inventory includes Scope 1, 2 and 3 emissions including our office energy use, business travel and relevant purchases, in accordance with Climate Active's standard small organisation boundary and scope. Our staff operate from our clients' facilities and also from our home offices in Queensland. Whilst at our clients' facilities, accommodation and meals are provided by the clients. As such the emissions relating to onsite work at client's facilities is out of our control and has not been included. In most cases, clients also cover the cost of air travel to and from their sites, however we have chosen to include these in our carbon inventory as they are the largest emissions source.

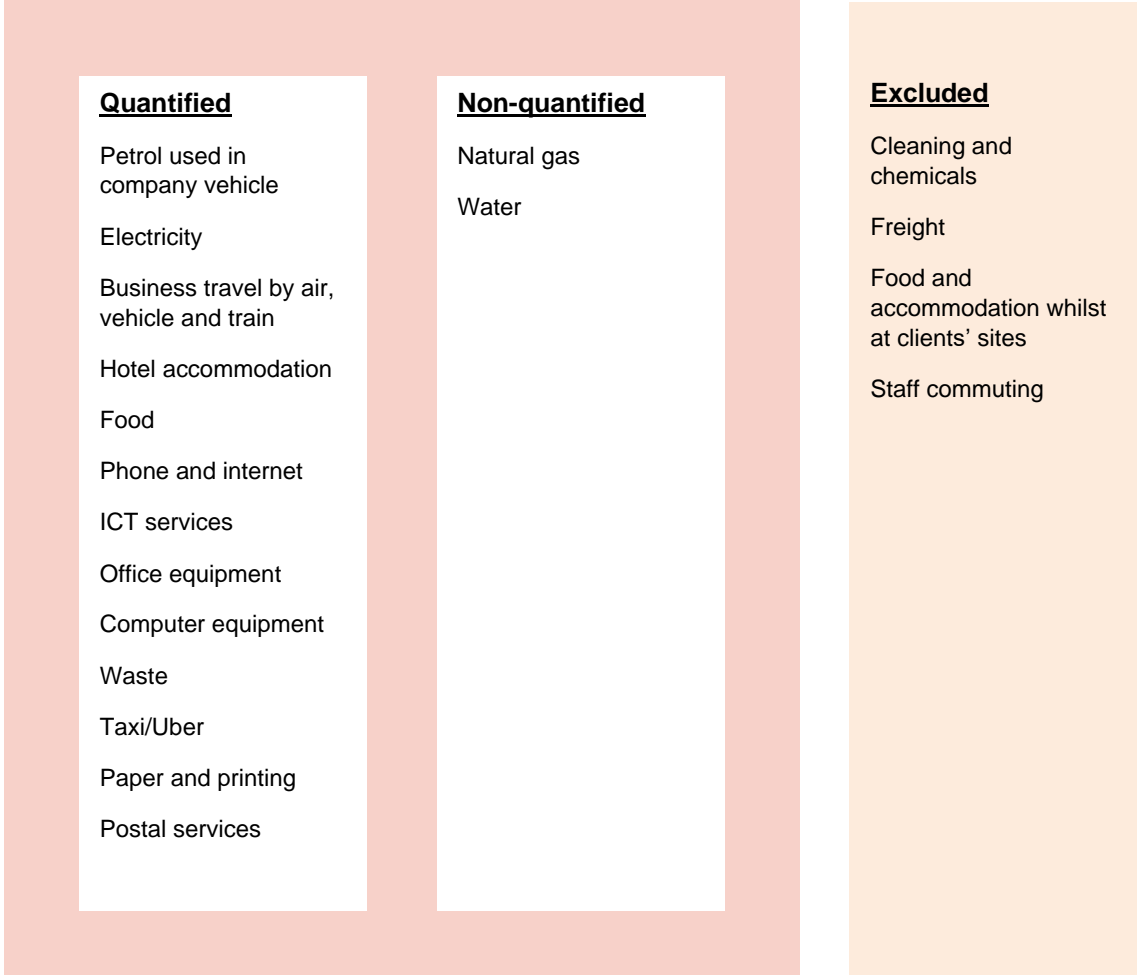
The inventory considers and quantifies carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) emissions, measured in tonnes CO₂-e. We are not aware of any relevant sources of hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆), or nitrogen trifluoride (NF₃) within the operational boundary.

“Operating as a carbon neutral organisation is highly important to us, we take a lead by example approach to environmental sustainability.”

2. EMISSION BOUNDARY

Diagram of the certification boundary

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



Non-quantified sources

It is not possible to quantify the consumption of water and natural gas used in our home offices and these sources are considered immaterial. A 5% uplift has been included in the inventory to account for immaterial items.

Data management plan

Not applicable.

Excluded sources (outside of certification boundary)

Although cleaning, chemicals and freight are deemed relevant emissions under the small organisation certification, we do not use them and as such they have not been included in the carbon inventory. Food we consume and our accommodation at client sites is paid for by our clients and as such are excluded. Staff commuting is not applicable as we work either from home offices or at clients' sites.

“Climate Active enables us to formalise our carbon neutral goals and stay accountable for our greenhouse gas emissions.”

3. EMISSIONS SUMMARY

Emissions reduction strategy

We are determined to reduce our future emissions by implementing the emissions reductions strategies described in Table 1 below.

Table 1

Strategy	Timing
10% increase in local-based (South East Queensland) clients to reduce number of flights	April 2022
Include vehicle travel for client-provided vehicles into our emissions inventory	Ongoing for each emissions inventory
Offset all flights directly with airlines where possible (when purchased directly by AES)	Commencing immediately and ongoing
Solar generated electricity for 30% of our home-based office energy usage	April 2023
Purchase carbon neutral products and services where possible	Ongoing

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO ₂ -e
Fuel – company vehicle	1.957
Electricity	0.343
Food and catering	1.005
ICT Services	0.739
Phone and internet	0.245
Office equipment	0.373
Hotel accommodation	0.454
Waste	0.240
Air travel	7.178
Business travel by train	0.009
Business travel – private vehicle	0.178
Paper (none used this year)	0.000
Postal services (none used this year)	0.000
Printing and stationery (none used this year)	0.000
Total Net Emissions	12.723

Uplift factors

Table 3

Reason for uplift factor	tonnes CO ₂ -e
5% to account for immaterial items	0.636
<i>Total footprint to offset (uplift factors + net emissions)</i>	13.359

Carbon neutral products

No Climate Active products were purchased this year.

Electricity summary

Electricity was calculated using a Market-based approach.

The Climate Active team has concluded its review of the use of a market versus location-based approach for electricity accounting and the implications for carbon neutral certification. The decision made as a result of this review is that organisations must report electricity emissions on a dual basis, thus providing different perspective of business's electricity emissions. The following tables 4 and 5 refer.

Market-based approach electricity summary

Table 4

Electricity inventory items	kWh	Emissions (tonnes CO ₂ e)
Electricity Renewables	159	0.000
Electricity Carbon Neutral Power	0	0.000
Electricity Remaining	318	0.343
Renewable electricity percentage	33%	
<i>Net emissions (Market based approach)</i>		0.343

Location-based summary

Table 5

State/ Territory	Electricity Inventory items	kWh	Full Emission factor (Scope 2 +3)	Emissions (tonnes CO ₂ e)
Qld	Electricity Renewables	70	-0.93	-0.065
Qld	Electricity Carbon Neutral Power		-0.93	0.00
Qld	Netted off (exported on-site generation)		-0.81	0.00
Qld	Electricity Total	351	0.93	0.326
NSW/ACT	Electricity Renewables		-0.90	0.00
NSW/ACT	Electricity Carbon Neutral Power		-0.90	0.00
NSW/ACT	Netted off (exported on-site generation)		-0.81	0.00
NSW	Electricity Total	126	0.90	0.113
	<i>Total net electricity emissions</i>			0.374

4. CARBON OFFSETS

Offset purchasing strategy: in arrears

Offsets summary

Table 6

1. Total offsets required for this report				14					
2. Offsets retired in previous reports and used in this report				0					
3. Net offsets required for this report				14					
Project description	Eligible offset units type	Registry unit retired in	Date retired	Serial number (including hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO ₂ -e)	Quantity used for previous report	Quantity to be banked for future years	Quantity to be used this report
Biodiverse Reforestation - Yarra Yarra Biodiversity Corridor; and	Unaccredited as yet	Carbon Neutral	22 April 2021	GS1-1-AU-GS3039-21-2022-20595-1141-1175	2022	0	0	0	0
CN-316 Renewable Energy Wind-farm Ningxia Helanshan, China	CDM-CER	ANREU	22 April 2021	1,011,041,860 - 1,011,041,894	CP-2 2013-2016	35	0	21	14
<i>Total offsets retired this report and used in this report</i>									14 tCO ₂ -e
<i>Total offsets retired this report and banked for future reports</i>								21 tCO ₂ -e	

Co-benefits

Energy Wind-farm Ningxia Helanshan Project, China

Wind turbines are installed near the inner Mongolian border in China. The electricity is supplied into the Northwest China Power Grid which will reduce air pollution by replacing coal-fired power plants with clean, renewable power and reduce air pollution. Due to the location of this wind farm, impacts on wildlife, the environment and the surrounding population is minimal. The project generates employment opportunities during the construction and operation phases. Technicians were trained in Spain on operating the advanced wind power technologies used in this project.

Yarra Yarra Biodiversity Corridor, Western Australia

This biodiverse reforestation projects removes CO₂ from the atmosphere and helps to restore the environment in the northern wheatbelt of Southwestern Australia. The plantings of native trees and shrubs contains over 30 species of conservation significance. The goal is to link small patches of remaining vegetation and nature reserves to create a green corridor to help restore ecosystems and to preserve threatened and unique flora and fauna. This project created over 400 jobs with over 50 indigenous roles and contributes to the positive mental health and wellbeing of indigenous communities. These projects contribute to nine Sustainable Development Goals.

5. USE OF TRADE MARK

Table 7

Description where trademark used	Logo type
Company website	Certified organisation
Email signatures	Certified organisation

APPENDIX 1

Excluded emissions

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Three of the sources of emissions that have been excluded are freight, cleaning and chemicals. This is because none of these are used in our business operations; they are therefore not applicable. Food we consume and accommodation at our clients' sites is excluded as we do not have control, neither do we pay for, these. Staff commuting is not applicable as we either work from our home offices or at clients' sites.

Table 8

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>
Food and accommodation whilst at clients' sites working as contractors	No	No	No	No	No
Cleaning & chemicals	No	No	No	No	No
Freight	No	No	No	No	No
Staff commuting	No	No	No	No	No

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 9

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 emissions, but uplift applied.</i>	<i>Data unavailable but uplift applied.</i>
Natural gas	Yes		Yes
Water	Yes		Yes

APPENDIX 3

Evidence of retirement of eligible offsets

The screenshot displays the ANREU website interface. At the top, the logo for the Australian Government Energy Regulator is visible, along with navigation links for 'Change Password', 'Contact Us', 'Log Out', and 'Help'. The user is logged in as 'Raymond Wilson / Industry User'.

The main content area is titled 'Transaction Details' and shows a notification: 'Transaction Successfully Approved'. Below this, the following details are listed:

- Transaction ID:** AU18377
- Current Status:** Sending (91)
- Status Date:** 12/05/2021 13:36:01 (AEST) and 12/05/2021 03:36:01 (GMT)
- Transaction Type:** Cancellation (4)
- Transaction Initiator:** Wilson, Raymond Glen
- Transaction Approver:** Wilson, Raymond Glen
- Comment:** Retired on behalf of Applied Environment & Safety Pty Ltd for their Climate-Active Carbon Neutral Organisation certification for CY2020

Account information is provided for both the Transferring and Acquiring accounts:

- Transferring Account:** AU-2545, Carbon Neutral Pty Ltd
- Acquiring Account:** AU-2764, Voluntary Cancellation - CP2, Commonwealth of Australia

A table of Transaction Blocks is shown below:

Party	Type	Transaction Type	Original CP	Current CP	ERF_Project_ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Ranges	Quantity
CN	CER	Kyoto Voluntary Cancellation	2	2					CN-316			1,011,041,860 - 1,011,041,894	35

Transaction Status History:

Status Date	Status Code
12/05/2021 13:36:05 (AEST)	Completed (4)

