PUBLIC DISCLOSURE STATEMENT

TONKIN ZULAIKHA GREER ARCHITECTS

ORGANISATION CERTIFICATION
FY2020-21

Australian Government

Climate Active
Public Disclosure Statement

tonkinzulaikhagreer ARCHITECTS

An Australian Government Initiative

Climate Active

NAME OF CERTIFIED ENTITY: Tonkin Zulaikha Greer Architects

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

19th January 2022

Name of Signatory

Peter Tonkin

Position of Signatory

Director

Australian Government

Department of Industry, Science, Energy and Resources

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 Tonkin Zulaikha Greer Architects (ABN: 46 002 722 349).

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 location:

- 117 Reservoir Street, Surry Hills NSW 2010

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).

"By becoming Carbon Neutral, we can make positive progress toward minimising the impact of climate change through our day to day actions. Our Climate Active certification couples our goal of building sustainable projects and places for future communities, with our commitment to sustainable and responsible low carbon management within the office environment. We hope this action inspires others to realise opportunities that contribute to a low carbon future."

Organisation description

Sydney based architectural firm Tonkin Zulaikha Greer (TZG) have been in practice since 1987 and have a reputation for delivering innovative and enduring designs that build places and shape cities.

TZG deliver a broad range of projects including; urban design and master planning, arts and cultural, tertiary education and schools, transport and infrastructure, mixed-use and commercial, hotels and retail, residential and apartments and significant public commissions.

TZG currently comprises of a team of over forty professionals, working on complex projects in the public realm, both in Australia and overseas, and collaborating with all levels of Government and private-sector developers.

At TZG, we believe that social and environmental sustainability are key to a projects' success and that sustainability lies in valuing the intellectual, physical and cultural effort of the past. TZG understand that early decision making in the design process is intrinsic to making a difference in terms of future environmental sustainability and achieving ongoing cost effective outcomes which is reflected in TZG's approach to heritage and adaptive re-use.

TZG adopts the key principles of ESD in order to reduce potential negative impacts on the environment, as well as, enhance the health and comfort of the building's occupants, thereby improving its overall performance. TZG takes pride in having staff who are champion Sustainability principles - Director Peter Tonkin is an Accredited Greenstar Professional, and three senior TZG staff have attended the Greenstar Accredited Professional training course.

2. EMISSION BOUNDARY

Diagram of the certification boundary

Quantified

Electricity

Telecommunications

Water

IT Equipment

Paper

Printing & Stationery

Electrical Appliances

Office Furniture

Employee Commute

Working From Home

Business Flights

Transport Fuels

Cleaning Services

Software

Postage & Couriers

Advertising

Taxis & Ridesharing

Parking & Tolls

Train Expenses

Car Hire

Food & Beverage

Refrigerants

Waste (Landfill & Recycling)

Non-quantified

N/A

Excluded

N/A

Non-quantified sources

N/A

Data management plan

N/A

Excluded sources (outside of certification boundary)

N/A

3. EMISSIONS SUMMARY

Emissions reduction strategy

TZG operational emissions reduction strategy is contained within TZG's Sustainability Office policy and Procedures to Reduce Office Carbon Footprint.

TZG's Procedure to Reduce Office Carbon Footprint aims to:

- Maintain Carbon Neutral Certification through Climate Active and work to reduce our carbon footprint
- Minimise energy use through responsible office management.
- Recycle and manage our waste, where possible.
- Conserve water usage.
- Implement additional renewables initiatives, where possible.
- Provide ventilation, passive heating and cooling, and restrict heating and air conditioning usage.
- Encourage cycling, walking and use of public transport for work travel and commuting.
- Provide low energy use equipment, where possible, and LED lighting.
- Encourage ongoing changes to habits, work flow and work processes with our staff, including ongoing training and discussion opportunities for Sustainability and Carbon Neutral initiatives.

TZG are developing a Sustainability Action Plan that will look do address emission reduction across both our business and our services, this will be implemented in the two years.

Emissions summary (inventory)

Table 2

Emission source category	tonnes CO_2-e
Cleaning and Chemicals	4.2
Electricity	0.0
Food	24.2
ICT services and equipment	66.2
Land and Sea Transport ($)	7.3
Land and Sea Transport (fuel)	3.7
Land and Sea Transport (km)	4.3
Office equipment & supplies	13.7
Postage, courier and freight	0.5
Professional Services	2.2
Refrigerants	0.00002
Waste	4.6
Water	0.3
Working from home	5.6
Total Net Emissions	***136.8***

Uplift factors

Table 3

Reason for uplift factor	tonnes CO_2-e
N/A	
Total footprint to offset (uplift factors + net emissions)	***136.8***

Carbon neutral products

All flights have been offset through Qantas.

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

Market-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)	Renewable %
Behind the meter consumption of electricity generated	0	0	0%
Total non-grid electricity	**0**	**0**	**0%**
LGC Purchased and retired (kWh) (including PPAs)	0	0	0%
GreenPower	34,141	0	83%
Jurisdictional renewables	0	0	0%
Residual Electricity	-730	-783	-2%
Large Scale Renewable Energy Target (applied to grid electricity only)	7,799	0	19%
Total grid electricity	**41,211**	**-783**	**100%**
Total Electricity Consumed (grid + non grid)	**41,211**	**-783**	**102%**
Electricity renewables	41,940	0	
Residual Electricity	-730	-783	
Exported on-site generated electricity	**0**	**0**	
Emission Footprint ($kgCO_2$-e)		0	

Emission Footprint (tCO_2-e)	**0**
LRET renewables	**18.9%**
Voluntary Renewable Electricity	**82.8%**
Total renewables	**101.8%**

Location-based approach summary

Location-based approach	Activity Data (kWh)	Emissions ($kgCO_2$-e)
NSW	41,211	37,090
Grid electricity (scope 2 and 3)	**41,211**	**37,090**
Non-grid electricity (Behind the meter)	**0**	**0**
Total Electricity Consumed	**41,211**	**37,090**

Emission Footprint (tCO_2-e)	**37**

4. CARBON OFFSETS

Offsets strategy

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	*137*
3. Net offset balance for this reporting period	*137*
4. Total offsets to be forward purchased to offset the next reporting period	*0*
5. Total offsets required for this report	*137*

Co-benefits

Vishnuprayag Hydro-electric Project – Stapled with Greenfleet Biodiversity Offsets

The Project, utilising the waters of river Alaknanda, has an underground power station with an installed capacity of 400MW (4x100MW). The purpose of the project is to harness renewable hydro power potential in Chamoli district of Uttarakhand and enable displacement of fossil fuel-based electricity generating systems. JPVL has established this run-of-the-river hydro power project and operates the project in the region.

Offsets summary

Proof of cancellation of offset units

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_2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
Vishnuprayag Hydro-electric Project Stapled with Greenfleet Biodiversity Offsets	VCUs	Verra	18 Oct 2021	10593-230757446-230757582-VCS-VCU-259-VER-IN-1-173-01012013-31122013-0	2013	137	0	0	137	100%
								Total offsets retired this report and used in this report	***137***	
								Total offsets retired this report and banked for future reports	***0***	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of Total
Verified Carbon Units (VCUs)	137	100%

5. USE OF TRADE MARK

Table 8

Description where trademark used	Logo type
Website	Certified organisation
Email signature	Certified organisation
Internal & external reports	Certified organisation

6. ADDITIONAL INFORMATION

Tonkin Zulaikha Greer Architects has also purchased 137 tonnes of biodiversity offsets through Greenfleet for FY2020-21, certificate below. 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.

Greenfleet

This is to certify

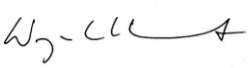
TZG Architects

offset 137.00 tonnes of CO_2-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.



Wayne Wescott | Greenfleet CEO

06/10/2021

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	*The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions*	*The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.*	*Key stakeholders deem the emissions from a particular source are relevant.*	*The responsible entity has the potential to influence the reduction of emissions from a particular source.*	*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.*
N/A					

APPENDIX 2

Non-quantified emissions for organisations

Table 10

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

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