

Australian Government

Carbon Neutral Program

Public Disclosure Summary



Construction & Building Industry Super



An Australian Government Initiative

THIS DOCUMENT WILL BE MADE PUBLICLY AVAILABLE

NAME OF CERTIFIED ENTITY: United Super Pty Ltd ABN 46 006 261 623 as trustee of the Construction and Building Unions Superannuation Fund ABN 75 493 363 262 (Cbus)

REPORTING PERIOD: 1 July 2016 to 30 June 2017

Declaration

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature	Date <i>Nicole Bradford</i> 26/8/19
Name of Signatory	Nicole Bradford
Position of Signatory	Portfolio Head, Responsible Investment
Carbon neutral certification category	Organisation
Date of most recent external verification/audit	7 February, 2019
Auditor	NDEVR Environmental
Auditor assurance statement link	https://www.cbussuper.com.au/content/dam/cbus/files/governance/reporting/NCO S-Assurance-Audit-Report-for-Cbus.pdf



Australian Government
Department of the Environment and Energy

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1. Carbon neutral information

1A. Introduction

About Cbus

Cbus believes that climate change is a complex environmental and social issue that will increasingly impact the global economy. In 2016 with the support of the Trustee Board a climate change position statement was developed, publicly recognising that as a Fund the most material climate change risks and opportunities will be imposed on our investment portfolio. Further in 2018 our Investment Committee approved a Climate Change Road Map. The Road Map aims to improve portfolio resilience, mitigate exposure to risk and contribute through investing and advocating for change.

The Trustee also believes it has a responsibility to take a leadership role in the built environment in which the Fund's members work including the development of sustainable building and construction practices.

Further the Trustee believes the Fund should operate in a manner consistent with its approach to responsible investment. As such the Trustee seeks to incorporate responsible investment practices, including those related to climate change, within the broader Fund. This has resulted in the Cbus Trustee office commitment to go carbon neutral.

Carbon neutrality

Cbus has taken a broad approach to its carbon neutral commitment. We have included in our carbon assessment all emissions produced by our offices across Australia, as well as all material emissions produced within our supply chain and by our staff commuting to and from our offices. Our carbon neutral account excludes emissions associated with our investments, as these are considered to be outside of our operational control.

Cbus's inventory has been prepared based on the "National Carbon Offset Standard" and the "Greenhouse Gas Protocol - A Corporate Accounting and Reporting Standard" ¹.

Where available, the inventory covers all six greenhouse gases listed under the Kyoto Protocol:

- Carbon dioxide (CO₂)
- Methane (CH₄)
- Nitrous oxide (N₂O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulphur hexafluoride (SF₆)

¹ Published by: World Resources Institute and World Business Council for Sustainable Development, March 2004

Where available, emission factors have been taken from the National Greenhouse Accounts (NGA) Factors, July 2018. These have been complemented with emission factors and calculations from Balancing Act – A Triple Bottom Line² reports (input-output data) and other relevant literature sources.

The carbon account is based on an operational consolidation approach. The Cbus offices are:

- Melbourne Level 26/27/28, 2 Lonsdale Street
- Melbourne Level 27/28, 2 Lonsdale Street
- Geelong 127 Myer St
- Sydney Level 25, 44 Market Street
- Perth Level 1, 82 Royal Street, East Perth
- Adelaide Ground floor, 50 Flinders St
- Adelaide Level 3, 50 Flinders St
- Adelaide Level 3, 103 Frome St
- Brisbane Level 2, 14 Campbell Street, Bowen Hills
- Brisbane Level 9, 167 Eagle Street
- Townsville 6/663 Flinders Street
- Hobart 196 Campbell Street
- Hobart Part GF 119 Macquarie St
- Darwin G01- 29 Daly Street
- Darwin Level 1, 38 Woods St
- Canberra 2 Badham Street, Dickson

1B. Emission sources within certification boundary

Quantified sources

The following emission sources have been included in our carbon account:

Table 1. Emission Sources		
OFFICE UTILITIES	Natural gas consumption (GJ)	Scope 1
	Electricity (kWh)	Scope 2
	Base building (rating)	Scope 3
	Water (kL)	Scope 3
	Waste to landfill (t)	Scope 3
	Waste to recycling (t)	Scope 3
BUSINESS TRAVEL	Company vehicles (km)	Scope 1
	Company vehicles (km)	Scope 3
	Flights (#)	Scope 3
	Taxis (\$ spend)	Scope 3
	Public transport (\$ spend)	Scope 3
	Rental cars (\$ spend)	Scope 3

² Foran, B. D. & Lenzen, Manfred. & Dey, Christopher. & CSIRO. & University of Sydney. 2005. *Balancing act : a triple bottom line analysis of the Australian economy* / Barney Foran, Manfred Lenzen and Christopher Dey University of Sydney and CSIRO [Canberra, A.C.T. <<http://www.cse.csiro.au/research/balancingact/#aboutreport>

	Accommodation (hotel nights)	Scope 3
COMMUTING	Employee commuting (pkm)	Scope 3
PURCHASES	Purchased goods and services (\$ spend)	Scope 3
PAPER EOL	End-of-life of paper sent to members (\$ spend)	Scope 3
ENERGY RELATED SCOPE 3 EMISSIONS	Natural gas consumption (GJ)	Scope 3
	Electricity (kWh)	Scope 3

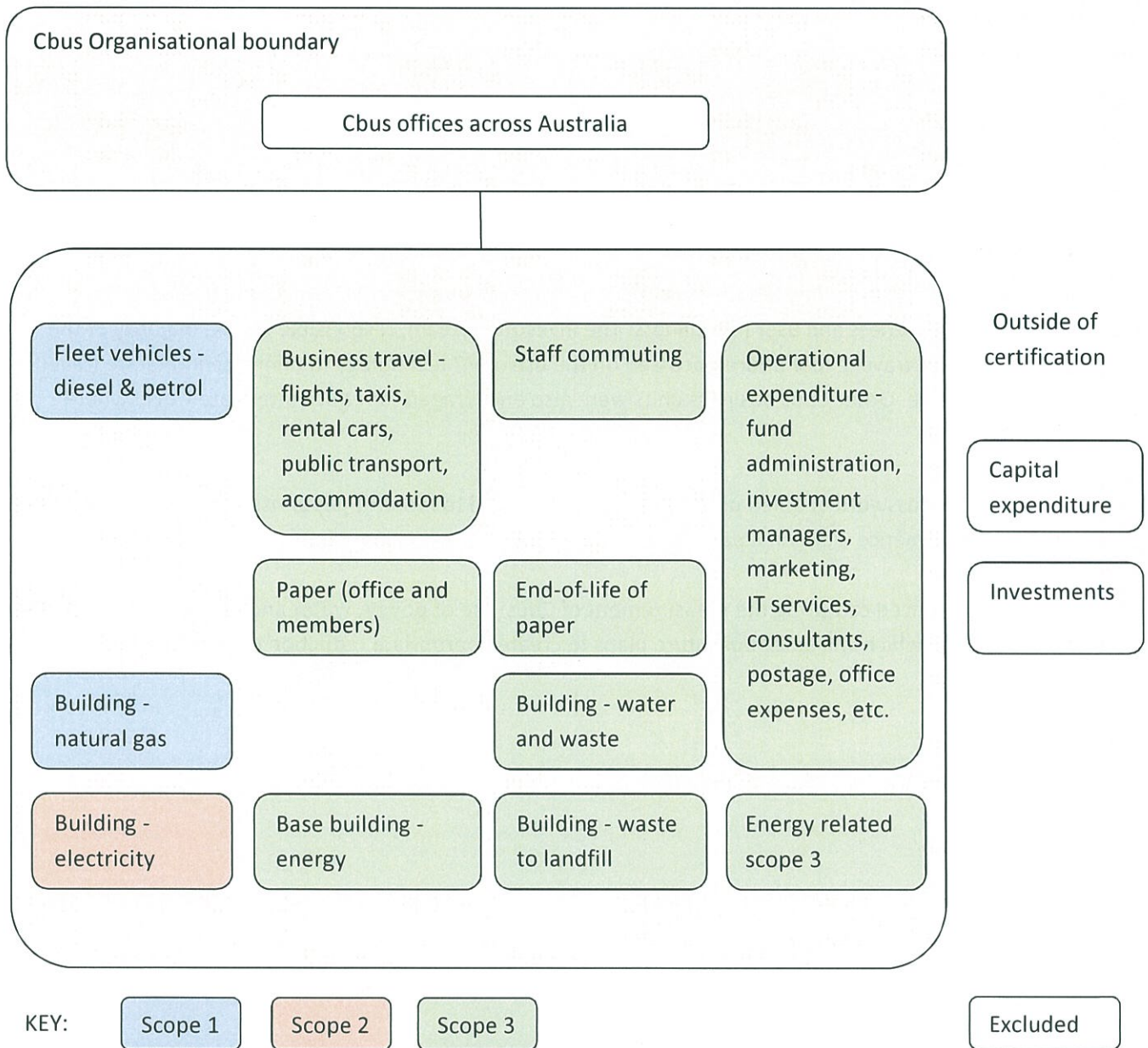
Excluded sources

Cbus' organisational boundary has been established using the control approach. The following emission sources have been excluded in line with the provisions of the National Carbon Offset Standard for Organisations:

- Capital expenditure. Emissions associated with capital expenditure have been excluded from our organisational boundary, as the emission sources are outside of our operational control and do not meet the relevance test under the National Carbon Offset Standard.
- Investments. Emissions associated with investments are outside of our organisational boundary as these operations are beyond our operational or financial control

1C. Diagram of the certification boundary

The following diagram shows the system boundary of our carbon account. To the best of our knowledge, we have included all of our scope 1, 2 and 3 emission sources, with the exception of emissions associated with capital expenditure and investments.



2. Emissions reduction measures

2A. Emissions over time

This section compares emissions over time between the base year and current year. As this report covers the base year only, emissions have not been tracked over time yet.

2B. Emissions reduction strategy

The Cbus carbon account for the offices of the Trustee is dominated by the consumption of electricity, corporate travel related activities and the purchase of goods and services. Our strategy also reflects our Head Office at 2 Lonsdale Street, Melbourne which currently attracts a 4.5 Star NABERS Rating. In 2020 the Fund's Head Office will move to Wesley Place 130 Lonsdale Street, Melbourne which is targeting a 5-Star NABERS Energy Rating.

2C. Emissions reduction actions

Throughout FY17, Cbus expanded its investment in video conferencing (VC) capability to ensure its reliability, effectiveness and user friendliness. The Investment team, responsible for the majority of the Fund's interstate travel expenditure, focussed on the use of VC technology to minimise interstate travel where practicable. Other Cbus business units were also encouraged to reduce interstate travel where appropriate.

We introduced password enabled printing, enabling the Fund to monitor paper use. Cbus intends to utilise this data to commence work on a paper reduction policy.

And, we commenced capturing the measurement of Cbus' use of power, water and wastage in our trustee office buildings, which will assist our future plans to create appropriate reduction policies.

3. Emissions summary

The following table provides a summary of Cbus's greenhouse gas emissions for all emission sources included in the certification boundary.

Table 2. Emissions Summary		
Scope	Emission source	t CO ₂ -e
1	Natural gas consumption (GJ)	0.0
2	Electricity (kWh)	314.3
3	Base building (rating)	379.4
3	Water (kL)	6.3
3	Waste to landfill (t)	9.8
3	Waste to recycling (t)	0.0
3	Company vehicles (km)	181.9
3	Company vehicles (km)	9.6
3	Flights (#)	433.2
3	Taxis (\$ spend)	20.0
3	Public transport (\$ spend)	3.6
3	Rental cars (\$ spend)	6.0
3	Accommodation (hotel nights)	150.0
3	Employee commuting (pkm)	394.8
3	Purchased goods and services (\$ spend)	7741.7
3	End-of-life of paper sent to members (\$ spend)	208.5
3	Natural gas consumption (GJ)	0.0
3	Electricity (kWh)	29.1
Total Gross Emissions		9,888.1
GreenPower or retired LGCs		0.0
Total Net Emissions		9,888.1

4. Carbon offsets

4A. Offsets summary

This reporting period is a base year and therefore offsets are not required. No offset retirements have taken place in relation to the current reporting period.

Cbus plans to be carbon neutral from FY19 onwards.

Table 3. Offsets Summary			
Offset type and registry	Year retired	Quantity	Serial numbers
Total offset units retired			0
Net emissions after offsetting			
Total offsets banked for use future years			0

4B. Offsets purchasing and retirement strategy

Cbus is going to be carbon neutral from FY19 onwards. We will offset our scope 1, 2 and 3 emissions each year on a retrospective basis and retire credits in accordance with the National Carbon Offset Standard (NCOS)[within 120 days of the end of the reporting period]

4C. Offset projects (Co-benefits)

From FY19, Cbus's offsets will be sourced from two projects:

- Nongyai Wastewater treatment (Thailand).

The Nongyai Wastewater Treatment Project captures methane generated at a starch, sweetener and ethanol production facility in Chonburi Province in Thailand. The captured methane is combusted to produce electricity and heat for internal use in the facility. The project helps to reduce the company's dependence on fossil fuels by providing a local source of clean, renewable energy. The project supported local sustainable development by creating new jobs and income opportunities through contracting local firms for the construction, operation and maintenance of the plant.

This project issues Voluntary Carbon Units (VCU's) certified by Verra.

- Yingxin Waste Heat Energy (China).

The Yingxin company in China's northern Hebei province is a glass producer. Glass production is an energy-intensive, fossil fuel powered process. In an effort to reduce energy consumption and the company's carbon footprint, Yingxin has implemented a modern waste-heat recovery system. The innovative system uses waste heat from the glass smelting furnaces to generate clean electricity.

This then meets part of the electricity demand of the company, displacing electricity generated from grid-connected fossil fuel-fired power plants. In the absence of the project, the waste heat would be vented into the atmosphere. In addition to environmental benefits, the project owner is providing scholarships to children and supporting schools, as well as elderly people and the local infrastructure. Local people are also permitted to borrow machinery and tools at no extra cost.

This project issues Verified Emissions Reduction (VER) units certified by Gold Standard.

Furthermore, 20% of Cbus's offsets are coupled with South Pole's Eco Australia credits. For every 1 tCO₂e from international carbon offsets, the EcoAustralia credits include an Australian Biodiversity Unit (ABU), which is a unit that is derived from a Biodiversity Equivalence Unit which is managed on the Victorian Government's Native Vegetation Credit Register. Each ABU represents 1.5m² of government-accredited habitat protection. A covenant is placed on the land title to ensure the vegetation is managed for conservation in perpetuity. Cbus supports the Myamyn project, encompassing sections of the Annys State forest in Western Victoria. The project replants the area with natural vegetation, helping to preserve the forest in Western Victoria. The project replants the area with natural vegetation, helping to preserve the habitat of endangered native species such as the Scented Spider-orchid, the Powerful Owl, and the Long-nosed Potoroo.

5. Use of trade mark

Cbus is going to be carbon neutral from FY19 onwards. Therefore, the trade mark has not been used at present.

