



PUBLIC DISCLOSURE STATEMENT

2XE PTY LTD

ORGANISATION CERTIFICATION


FY2021–22

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	2XE Pty Ltd
REPORTING PERIOD	1 July 2021 – 30 June 2022
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>Nick Palousis Managing Director 03/05/2023</p>



Australian Government

**Department of Climate Change, Energy,
the Environment and Water**

Public Disclosure Statement documents are prepared by the submitting organisation. The material in the Public Disclosure Statement document 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 document and disclaims liability for any loss arising from the use of the document for any purpose.

Version March 2022.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	20.7 tCO ₂ -e
OFFSETS BOUGHT	100% CERs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	N/A

Contents

1. Certification summary.....	3
2. Carbon neutral information	4
3. Emissions boundary	5
4. Emissions reductions.....	7
5. Emissions summary	8
6. Carbon offsets	10
7. Renewable Energy Certificate (REC) Summary	12
Appendix A: Additional Information	13
Appendix B: Electricity summary	14
Appendix C: Inside emissions boundary	16
Appendix D: Outside emissions boundary	16

2. CARBON NEUTRAL INFORMATION

Description of certification

The carbon neutral certification under the Climate Active Carbon Offset Standard covers the organization emissions of 2XE Pty Ltd (ABN: 24 149 188 125), who are a renewable energy, resource efficiency and sustainability consultancy with our office located in North Adelaide, South Australia. The company operates out of its North Adelaide office and provides its services to clients both in South Australia and nationally.

Additionally, a certification claim is made for 2XE's renewable energy, resource efficiency and sustainability consulting services, which includes travel, office equipment and other Scope 3 emissions.

[The FY21-22 service certification claim is provided in a separate Public Disclosure Statement.](#)

“As a company that delivers net zero services to business and government we must lead by example.”

Organisation description

2XE Pty Ltd (ABN: 24 149 188 125), trading as 2XE, is an energy and resource efficiency consultancy, located in North Adelaide, South Australia.

The company operates out of its North Adelaide office and provides its services to clients both in South Australia and nationally.

3.EMISSIONS BOUNDARY

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
<p><u>Quantified</u></p> <ul style="list-style-type: none"> Electricity Food ICT services and equipment Machinery and vehicles Office equipment & supplies Postage, courier and freight Professional Services Stationary Energy (gaseous fuels) Waste Working from home 	<p><u>Non-quantified</u></p> <ul style="list-style-type: none"> NA 	<p><u>Excluded</u></p> <ul style="list-style-type: none"> NA

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

2XE Pty Ltd is continuing its commitment to reduce emissions across the value chain (scopes 1, 2 and 3) by 20% by 2030, from the 2021 Financial Year base year.

The current internal combustion engine car that is leased by the organisation is approaching the end of the contracted period and will require a renewal in coming months. 2XE is still committed to procure an electric vehicle (EV) via the lease contract for staff usage which will significantly reduce the organisation and service emissions. The utilisation of an EV for meetings with clients or for consulting services will promote electric vehicles and decarbonisation of transport, which in turn may encourage clients and the wider public to procure an electric vehicle too.

Waste continues to form a large portion of the overall emission inventory. 2XE aims to achieve 100% diversion of recyclable products from landfill disposal by 2025. This will be achieved via continually increasing the number of recycling bins in the office. Additionally, 2XE, where possible, will procure 100% recycled plastic products to support the circular economy movement.

Within the next 12 months, 2XE will have moved to a new premise, which will enable 2XE full operational control over elements which were under the control of the landlord under the current leasing arrangement (electricity contract, gas hot water, energy efficiency measures). As such, 2XE will sign a 100% renewable energy contract with the electricity retailer along with developing a business case for a solar PV system to be installed. Additionally, all equipment at the site (hot water, HVAC) will be electric to maximise the emission reduction opportunity available via a 100% renewable energy contract and solar PV generation.

Where possible, 2XE will continue to select Climate Active businesses in its procurement and will continue to encourage non-Climate Active organisations to pursue the certification as a way of promoting the required decarbonisation of the economy to meet climate emission targets.

Lastly, as part of encouraging carbon neutral transport, 2XE will continue to finalize a business case in the next 12 months for the procurement of several electric bikes for staff to use for intra-city travel, rather than either driving or utilising a ride-share service. The City of Adelaide provides a significant number of bike-trails and bike-infrastructure, encouraging businesses to transition towards active and carbon-neutral transport.

Emissions reduction actions

2XE is very proud to have established a policy whereby all flights are offset via Climate Active-certified products. This is represented in the Service certification Public Disclosure Statement.

5. EMISSIONS SUMMARY

Emissions over time

Emissions since base year		Total tCO ₂ -e
Base year (organisation certification):	2020-2021	24.36
Year 1 (this certification):	2021–2022	20.7

Significant changes in emissions

There has been a significant change in emissions for several emission sources in FY22 for 2XE Pty Ltd. This is understood to be due in part to post-COVID19 recovery, in which businesses are now seeking to undertake projects which reduce their costs, and support a sustainable, and low-carbon economy. As a result, 2XE has undertaken a larger number of projects, resulting in an increase in emissions for some sources. Changes in Climate Active emission factors are understood to be the reason for an increase in emissions for waste (where total waste was constant).

On the other hand, 2XE has also sought to reduce emissions via strategic procurement guidelines and policies which prioritize local and/or carbon-neutral services. This is witnessed in the reductions that have occurred for office equipment and supplies, and professional services.

Lastly, changes to emission factors because of investment and policy by state and federal governments has enabled the grid emission intensity for South Australia to be reduced, from 0.35 kg CO₂-e per kWh to 0.33 kg CO₂-e per kWh. This reduction is also reflected in the Working-from-home emission source as well.

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
Electricity	1.93	2.71	Climate Active emission factor change
Food	1.04	0.64	organic growth
Machinery and vehicles	0.51	0.26	organic growth
Office equipment & supplies	0.26	1.01	organic growth
Postage, courier and freight	0.11	0.13	organic growth
Professional Services	1.28	2.33	organic growth
Waste	4.86	3.15	Climate Active emission factor change

Working from home	0.21	0.23	Climate Active emission factor change
-------------------	------	------	--

Use of Climate Active carbon neutral products and services

2XE has purchased Climate Active certified carbon neutral products for their Service inventory and certification, presented in the corresponding Public Disclosure Statement.

Certified brand name	Product or Service used
NA	NA

Organisation emissions summary

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

Emission category	Sum of Scope 1 (tCO ₂ -e)	Sum of Scope 2 (tCO ₂ -e)	Sum of Scope 3 (tCO ₂ -e)	Sum of total emissions (tCO ₂ -e)
Electricity	0.00	1.93	0.00	1.93
Food	0.00	0.00	1.04	1.04
ICT services and equipment	0.00	0.00	7.42	7.42
Machinery and vehicles	0.00	0.00	0.51	0.51
Office equipment & supplies	0.00	0.00	0.26	0.26
Postage, courier and freight	0.00	0.00	0.11	0.11
Professional Services	0.00	0.00	4.32	4.32
Stationary Energy (gaseous fuels)	0.03	0.00	0.01	0.04
Waste	0.00	0.00	4.86	4.86
Working from home	0.00	0.00	0.21	0.21
Total	0.03	1.93	18.74	20.70

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.

No uplift was applied to the Organisation certification. However, an uplift was applied to the Service certification, due to estimations in data sources.

Reason for uplift factor	tCO ₂ -e
NA	0
Total of all uplift factors	0
Total footprint to offset <i>(total net emissions from summary table + total uplifts)</i>	20.7

6. CARBON OFFSETS

Offsets retirement approach

In arrears		
1.	Total number of eligible offsets banked from last year's report	0
2.	Total emissions footprint to offset for this report	21
3.	Total eligible offsets required for this report	21
4.	Total eligible offsets purchased and retired for this report	42
5.	Total eligible offsets banked to use toward next year's report	0

Co-benefits

2XE Pty Ltd has purchased offsets from the Balsio Small Hydroelectric Project in India. The Balsio Hydel Project has a power generation capacity of 5.0 MW which has been installed to augment the power generation in Himachal Pradesh using renewable energy. The project activity improves the voltage profile and reliability of the power system in the remote area by delivering 21.95 GWh of clean energy to the grid, reducing the operation of fossil fuel fired energy generation units.

This project also generates additional benefits to social, environmental, economical and technological well-being, with the generation of local employment opportunities, increased reliability of energy to customers, the avoidance of environmental degradation of natural resources, and supporting similar projects to be installed throughout the region.

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 (%)
Balsio Small Hydroelectric Project of Ginni Global Pvt. Ltd.	CER	UNFCCC	1 December 2022	IN-5-290912067-2-2-0-4309 - IN-5-290912108-2-2-0-4309	CP2		42*	0	0	21	100%
Total offsets retired this report and used in this report										21	
Total offsets retired this report and banked for future reports									0		

*Remainder of offsets have been retired for 2XE's Service FY21-22 Certification.

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Certified Emissions Reductions (CERs)	21	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

Not applicable

APPENDIX A: ADDITIONAL INFORMATION



United Nations
Framework Convention on
Climate Change

DATE: 1 DECEMBER 2022
REFERENCE: VC25659/2022

VOLUNTARY CANCELLATION CERTIFICATE

Presented to

2XE Pty Ltd

Project

Balsio Small Hydroelectric Project of Ginni Global Pvt. Ltd.

Reason for cancellation

I want to contribute to climate action

Number of units
cancelled

42 CERs

Equivalent to 42 tonne(s) of CO₂



Start serial number: IN-5-290912067-2-2-0-1309 End serial
number: IN-5-290912108-2-2-0-4309

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.

APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using a location approach.

Location-based method

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-based method

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	0	0	0%
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)	968	0	19%
Residual Electricity	4,238	4,217	0%
Total grid electricity	5,206	4,217	19%
Total Electricity Consumed (grid + non grid)	5,206	4,217	19%
Electricity renewables	968	0	
Residual Electricity	4,238	4,217	
Exported on-site generated electricity	0	0	
Emissions (kgCO ₂ e)		4,217	
Total renewables (grid and non-grid)	18.59%		
Mandatory	18.59%		
Voluntary	0.00%		
Behind the meter	0.00%		
Residual Electricity Emission Footprint (TCO₂e)	4		

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 (kgCO2e)	Scope 3 Emissions (kgCO2e)
ACT	0	0	0
NSW	0	0	0
SA	5,206	1,562	364
Vic	0	0	0
Qld	0	0	0
NT	0	0	0
WA	0	0	0
Tas	0	0	0
Grid electricity (scope 2 and 3)	5,206	1,562	364
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	5,206	1,562	364

Emission Footprint (TCO2e)	2
<i>Scope 2 Emissions (TCO2e)</i>	2
<i>Scope 3 Emissions (TCO2e)</i>	0

Climate Active Carbon Neutral Electricity summary

Carbon Neutral electricity offset by Climate Active Product	Activity Data (kWh)	Emissions (kgCO2e)
NA	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

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. They have been non-quantified due to one of the following reasons:

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

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
NA	NA	NA	NA	NA

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** 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.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
NA	NA	NA	NA	NA	NA	NA



An Australian Government Initiative

