



PUBLIC DISCLOSURE STATEMENT

2XE PTY LTD

ORGANISATION CERTIFICATION


FY2022-23

Australian Government
Climate Active
Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	2XE Pty Ltd
REPORTING PERIOD	Financial year 1 July 2022 – 30 June 2023 Arrears report
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 8/11/2023</p>



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

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Version August 2023.



1. CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	50.28 tCO ₂ -e
OFFSETS USED	100% CERs
RENEWABLE ELECTRICITY	100%
CARBON ACCOUNT	Prepared by: Tandem Energy
TECHNICAL ASSESSMENT	28 June 2022 for FY 2020-21 Jack Gill Tandem Energy Next technical assessment due: FY 2023-24

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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). We are a carbon and energy management consultancy with our office located in North Adelaide, South Australia. We provide services to clients both in South Australia and nationally.

Additionally, a certification claim is made for 2XE's net zero strategy, renewable energy, resource efficiency and sustainability consulting services, which includes travel, office equipment and other Scope 3 emissions. [The FY22-23 service certification claim is provided in a separate Public Disclosure Statement.](#)

Organisation description

2XE Pty Ltd (ABN: 24 149 188 125), trading as 2XE, is a carbon and energy management consultancy, located in North Adelaide, South Australia. The boundary approach for this certification is the operational control approach.

During the certification period, 2XE operations moved from a leased office to one where the organisation has significantly more control over building operations.

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 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
<u>Quantified</u>	<u>Non-quantified</u>	<u>Excluded</u>
Cleaning and chemicals Construction materials and services Electricity Food ICT services and equipment Machinery and vehicles Postage, courier and freight Products Professional services Refrigerants Staff commute Stationary energy (gaseous fuels) Transport (land and sea) Waste Water Working from home Office equipment and supplies	N/A	N/A

4. EMISSIONS REDUCTIONS

Emissions reduction strategy

Target. 2XE Pty Ltd is continuing its commitment to reduce emissions across the value chain (scopes 1, 2 and 3) by 40% by 2030, from the 2021 Financial Year base year.

Transport. Moving to new premises has delayed procurement of an electric vehicle, however this is anticipated to happen in FY2024. This is expected to reduce emissions from staff commute and business travel by 15%.

Waste. 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 and improving staff education.

Energy. During the certification period, 2XE moved to new premises, which enabled full operational control over elements which were under the control of the landlord under the previous leasing arrangement (electricity contract, gas hot water, energy efficiency measures). As such, 2XE has signed a 100% renewable energy contract with the electricity retailer. Solar PV is currently in council approval stage and installation is anticipated by end of 2023. The hot water system at the site uses gas, and a business case will be developed in FY2024 to upgrade this.

Procurement. A significant amount of emissions come from procurement of professional services. Where possible, 2XE will continue to select Climate Active businesses in its procurement and will continue to support non-Climate Active suppliers to pursue certification as a way of promoting the required decarbonisation of the economy to meet climate emission targets.

Emissions reduction actions

2XE now purchase 100% GreenPower and will continue to do so, reducing scope 2 emissions to zero.

Diversion of resources from landfill has been significantly improved, through the addition of more segregation of waste.

5. EMISSIONS SUMMARY

Emissions over time

		Emissions since base year	
		Total tCO ₂ -e (without uplift)	Total tCO ₂ -e (with uplift)
Base year:	2020-2021	23.20	24.36
Year 1:	2021-2022	20.70	20.70
Year 2:	2022-23	47.88	50.28

Significant changes in emissions

The following elements have increased both overall emissions and emissions intensity:

- overall business growth
- a move to new premises
- improved record keeping.

The following table outlines the emissions from emission sources which have changed by at least 10% compared to the previous year, AND the emissions from this source make up at least 10% of the total carbon inventory.

Emission source name	Previous year emissions (t CO ₂ -e)	Current year emissions (t CO ₂ -e)	Detailed reason for change
Computer and technical services	2.35	4.47	Increase in staff numbers and move to new premises has resulted in increased emissions from this source

Use of Climate Active carbon neutral products, services, buildings or precincts

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

Emissions summary

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

Emission category	Sum of Scope 1 (t CO2-e)	Sum of Scope 2 (t CO2-e)	Sum of Scope 3 (t CO2-e)	Sum of Total Emissions (t CO2-e)
Cleaning and chemicals	0.00	0.00	0.75	0.75
Construction materials and services	0.00	0.00	5.39	5.39
Electricity	0.00	0.00	0.00	0.00
Food	0.00	0.00	0.68	0.68
ICT services and equipment	0.00	0.00	8.09	8.09
Machinery and vehicles	0.00	0.00	0.67	0.67
Postage, courier and freight	0.00	0.00	0.04	0.04
Products	0.00	0.00	0.15	0.15
Professional services	0.00	0.00	15.39	15.39
Refrigerants	0.14	0.00	0.00	0.14
Stationary energy (gaseous fuels)	0.10	0.00	0.02	0.12
Transport (land and sea)	0.00	0.00	7.22	7.22
Waste	0.00	0.00	1.19	1.19
Water	0.00	0.00	0.15	0.15
Working from home	0.00	0.00	0.56	0.56
Office equipment and supplies	0.00	0.00	7.33	7.33
Total	0.24	0.00	47.64	47.88

Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions that cannot be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO ₂ -e
Uplift to account for any uncertainties in data collection	2.39
Total of all uplift factors	2.39
Total emissions footprint to offset <i>(total emissions from summary table + total of all uplift factors)</i>	50.28

6. CARBON OFFSETS

Offsets retirement approach

This certification has taken an in-arrears offsetting approach. The total emissions to offset is 50.28 t CO₂-e. The total number of eligible offsets used in this report is 51. Of the total eligible offsets used, 0 were previously banked and 53 were newly purchased and retired. 2 are remaining and have been banked for future use.

A total of 120 offsets were newly purchased and retired in one transaction, to cover both 2XE's Service and Organisation certification. The combined offsets required totals 118, so 2 have been banked for use in a future Organisation certification.

Eligible offsets retirement summary

Offsets retired 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 retired (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 (%)	
Welspun Renewable Energy Program	CER	CDM	7 November 2023	IN-5-320844392-2-2-0-8261 to IN-5-320844445-2-2-0-8261	CP2		53	0	2	51	100%	
Total eligible offsets retired and used for this report										51		
Total eligible offsets retired this report and banked for use in future reports										2		
Type of offset units							Eligible quantity (used for this reporting period)		Percentage of total			
Certified Emissions Reductions (CERs)							51		100%			

Note: A total of 120 offsets were newly purchased and retired in one transaction, to cover both 2XE's Service and Organisation certification. The combined offsets required totals 118, so 2 have been banked for use in a future Organisation certification

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) summary

N/A.

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

There are two international best-practice methods for calculating electricity emissions – the location-based method and the market-based method. Reporting electricity emissions under both methods is called dual reporting.

Dual reporting of electricity emissions is useful, as it provides different perspectives of the emissions associated with a business's electricity usage.

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.

For this certification, electricity emissions have been set by using the **market-based approach**.

Market-based approach summary			
Market-based approach	Activity Data (kWh)	Emissions (kg CO ₂ -e)	Renewable percentage of total
GreenPower	9,012	0	100%
Large Scale Renewable Energy Target (applied to grid electricity only)	1,694	0	19%
Residual Electricity	-1,694	-1,618	0%
Total renewable electricity (grid + non grid)	10,706	0	119%
Total grid electricity	9,012	0	119%
Total electricity (grid + non grid)	9,012	0	119%
Percentage of residual electricity consumption under operational control	100%		
Residual electricity consumption under operational control	-1,694	-1,618	
Scope 2	-1,496	-1,429	
Scope 3 (includes T&D emissions from consumption under operational control)	-198	-189	
Residual electricity consumption not under operational control	0	0	
Scope 3	0	0	

Total renewables (grid and non-grid)	118.80%
Mandatory	18.80%
Voluntary	100.00%
Behind the meter	0.00%
Residual scope 2 emissions (t CO₂-e)	-1.43
Residual scope 3 emissions (t CO₂-e)	-0.19
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO₂-e)	0.00
Total emissions liability (t CO₂-e)	0.00

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary						
Location-based approach	Activity Data (kWh) total	Under operational control			Not under operational control	
		(kWh)	Scope 2 Emissions (kgCO ₂ -e)	Scope 3 Emissions (kgCO ₂ -e)	(kWh)	Scope 3 Emissions (kgCO ₂ -e)
Percentage of grid electricity consumption under operational control	100%					
SA	9,012	9,012	2,253	721	0	0
Grid electricity (scope 2 and 3)	9,012	9,012	2,253	721	0	0
Total electricity (grid + non grid)	9,012					

Residual scope 2 emissions (t CO ₂ -e)	2.25
Residual scope 3 emissions (t CO ₂ -e)	0.72
Scope 2 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	2.25
Scope 3 emissions liability (adjusted for already offset carbon neutral electricity) (t CO ₂ -e)	0.72
Total emissions liability	2.97

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

The following emissions sources 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	Justification reason
N/A	

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded emission sources

The below emission sources have been assessed as not relevant to this organisation'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.

Excluded emissions sources summary

Emission sources tested for relevance	Size	Influence	Risk	Stakeholders	Outsourcing	Justification
N/A						



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